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AIR EMISSIONS MONITORING REPORT

THIRD QUARTER 1992

FILE COPY

Valley Reclamation Company
Bradley Landfill & Recycling Center
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A Waste Management Company

2166-05419

November 24, 1992

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

Subject: SCAQMD Rule 1150.1 Third Quarter 1992 Monitoring Report
Bradley Landfill

Dear Mr. Chen:

Attached is Valley Reclamation Company's (VRC's) Third 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,

Riel Johnson/RG

Riel Johnson
Environmental Technician

RJ/rg

Attachments

cc: Mike Mckee
Deanna Nichols, w/o attachments

LANDFILL AIR EMISSIONS MONITORING

REPORT

BRADLEY LANDFILL AND RECYCLING CENTER

THIRD QUARTER 1992

SEPTEMBER 1992

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 third quarter of 1992 (July, August and September 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 third quarter of 1992 (July, August, and September 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 portion of the Los Angeles metropolitan area. The landfill is owned and operated by Valley Reclamation Company (VRC) and was formerly utilized as a sand and gravel pit 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 the vicinity of Sump 6, at Bradley West Extension.

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 (PLES). 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. All sampling was performed, 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, presented in Appendix A, show the instanteous surface sweep locations.

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 compound 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 are positioned up and downwind of the site. 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. During each month, 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 the onsite meteorological station; this data is summarized in Appendix B. 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 air 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 third quarter sampling event are presented in Appendix E.

2.3 INTEGRATED SURFACE SAMPLING

Integrated Surface Samples (ISS) were obtained from accessible areas overlying deposited refuse. The majority of the ISS grids were 100 ft. by 500 ft., 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 maximum and 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 gas 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 meter 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. A dedicated pump was used to direct the gas 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 July, August, and September 1992. Grid maps for July and August, 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. The grid map for September is unavailable and is not presented in Appendix A. There were no detections of total organic compounds as methane above 500 ppm.

3.2 INTEGRATED SURFACE SAMPLING

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

July	18 ISS grids
August	20 ISS grids
September	16 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 in 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. Duplicate (collocated) samples were obtained during August and September at the downwind, less-than-24-hour sample location (the point of maximum expected contaminant concentrations). A collocated sample was not obtained during the month of July due to a malfunction of the ambient air sampler. 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. No significant differences were noted in organic concentrations between the original and collocated samples. Analytical results are presented in Appendix E.

3.4 INTERNAL LANDFILL GAS SAMPLING

Sample results for the internal landfill gas samples collected in July, August, and September 1992 are summarized in Table 5. The complete laboratory results are 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 in Appendix F. One perimeter probe gas sample was collected and 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 %
July	W-13	0.2
August	W-13	<1.0
September	E-1	0.5

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 outlined 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 co-located ambient air samples (see Section 3.3).

- Regular service checks and calibration of all field equipment.

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

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.

TABLE 1

INTEGRATED SURFACE SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	July VR168 Grid #1	July VR176 Grid #8	August VR184 Grid #7	August VR186 Grid #4	September VR120 Grid #11	September VR204 Grid #12
Total methane	1.0ppm	9.29 ppm	4.51 ppm	2.34 ppm	2.22 ppm	6.78 ppm	7.57 ppm
TGNMO	1.0ppm	5.17 ppm	5.88 ppm	3.51 ppm	2.80 ppm	2.40 ppm	3.25 ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	4.14	7.82	5.07	4.73	2.78	3.17
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	0.78	0.44	ND	ND	ND	ND
1,2–Dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1–Dichloroethene	0.1	ND	ND	0.16	0.20	ND	ND
Dichloromethane	0.2	2.03	1.59	1.29	0.67	1.32	2.22
Perchloroethene	0.1	0.89	0.64	0.37	0.34	0.23	0.52
Carbon Tetrachloride	0.06	0.11	0.12	0.39	.038	0.095	0.098
Toluene	0.1	5.75	8.82	6.08	4.78	5.55	7.46
1,1,1–Trichloroethane	0.06	14.1	25.3	14.4	3.23	38.8	35.5
Trichloroethene	0.06	016	0.11	0.094	0.16	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	2.59	5.22	2.95	3.73	3.71	5.04
o–Xylenes	0.2	0.65	1.34	1.19	1.37	1.61	1.93

NOTES
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	July Upwind VR209	July Downwind VR206	August Upwind VR210	August Downwind VR211	September Upwind VR216	September Downwind VR219
Total methane	1.0ppm	3.99ppm	2.46 ppm	3.85ppm	2.49 ppm	7.94ppm	2.61ppm
TGNMO	1.0ppm	2.67ppm	2.81 ppm	3.22ppm	3.53 ppm	2.50ppm	3.02ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.35	1.32	4.23	4.48	4.04	4.04
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	0.82	1.20	0.90	1.03	1.19	1.52
Perchloroethene	0.1	0.60	0.64	0.58	0.58	0.72	0.72
Carbon Tetrachloride	0.06	0.11	0.12	0.12	0.12	0.14	0.13
Toluene	0.1	6.27	7.18	7.58	8.25	7.58	11.2
1,1,1–Trichloroethane	0.06	4.67	5.25	4.25	5.33	4.47	6.24
Trichloroethene	0.06	0.16	00.13	0.088	0.11	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	2.95	3.24	4.11	3.86	3.53	3.71
o–Xylenes	0.2	0.76	0.85	2.05	2.18	1.92	3.96

NOTES
ND = not detected

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

Compounds	Detection limits	July Upwind VR209	July Downwind VR207	August Upwind VR212	August Downwind VR213	September Upwind VR215	September Downwind VR217
Total methane	1.0ppm	2.57ppm	95.0 ppm	2.54ppm	7.62ppm	2.93ppm	9.93ppm
TGNMO	1.0ppm	2.38ppm	3.14 ppm	2.48ppm	3.20ppm	2.61ppm	2.74ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.27	1.56	3.84	4.02	4.41	4.21
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	1.63	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	0.64	0.63	0.69	1.02	1.16	1.17
Perchloroethene	0.1	0.34	0.36	0.27	0.31	0.56	0.46
Carbon Tetrachloride	0.06	0.11	0.11	0.12	0.12	0.14	0.14
Toluene	0.1	5.56	8.28	6.62	7.62	8.85	10.3
1,1,1–Trichloroethane	0.06	2.81	3.34	2.28	3.60	2.58	2.54
Trichloroethene	0.06	0.16	0.0772	0.068	0.099	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	2.88	3.87	3.53	4.39	4.29	4.24
o–Xylenes	0.2	0.64	1.18	1.67	2.08	2.03	3.46

NOTES
ND = not detected

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

Compounds	Detection limits	July Downwind VR209	August Co-located VR214	August Downwind VR213	September Co-located VR218	September Downwind VR217
Total methane	1.0ppm	2.57ppm	4.17ppm	7.62ppm	26.8ppm	9.93ppm
TGNMO	1.0ppm	2.38ppm	3.24ppm	3.20ppm	3.10ppm	2.74ppm
			ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	ND	ND
Benzene	0.1	1.27	3.88	4.02	4.61	4.21
Benzyl Chloride	0.8	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	1.32	ND
1,1-Dichloroethane	0.4	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.2	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.1	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.64	1.01	1.02	1.11	1.17
Perchloroethene	0.1	0.34	0.30	0.31	0.48	0.46
Carbon Tetrachloride	0.06	0.11	0.12	0.12	0.14	0.14
Toluene	0.1	5.56	7.63	7.62	12.0	10.3
1,1,1-Trichloroethane	0.06	2.81	3.57	3.60	2.74	2.54
Trichloroethene	0.06	0.16	0.083	0.099	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND
m+p-Xylenes	0.4	2.88	4.31	4.39	4.61	4.24
o-Xylenes	0.2	0.64	2.14	2.08	4.16	3.46

NOTES:
ND = not Detected

TABLE 5

Internal Gas Samples – Analytical Results

Component	Detection limits	July VR128	August VR182	September VR110
	(ppm V/V)			
Hydrogen Sulfide	1.0	35.3	44.0	43.9
TGNMO in ppm	0.5	3960	8380	7080
	(percentage V/V)			
Methane	0.2%	37.6	43.2	39.8
Carbon Dioxide	0.2%	34.6	39.2	37.2
Oxygen	0.2%	3.55	1.21	2.32
Nitrogen	0.2%	24.2	17.6	20.6
	(ppb V/V)			
Acetonitrile	5.0	12.1	229	176
Benzene	50	2220	2680	2480
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	953	1200	926
Dichlorobenzene	100	477	954	592
1,1–Dichloroethane	100	3940	5010	4200
1,2–Dichloroethane	20	370	357	413
1,1–Dichloroethene	30	182	527	653
Dichloromethane	15	6380	10200	6160
Perchloroethene	2	9470	11400	10400
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	58800	77000	60000
1,1,1–Trichloroethane	5	119	182	79.4
Trichloroethene	4	4580	4580	5340
Chloroform	2	ND	ND	ND
Vinyl Chloride	20	3390	3820	3390
m+p–Xylenes	100	21000	33700	27000
o–Xylenes	60	6120	10100	8840

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

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: AUGUST 12, 1992

TO: FRANK KIESLER

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON JULY 21ST, 22ND AND 27TH, 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 500 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: 2:10 - 2:45 July 27, 1992

There were no detections in excess of 500 ppm TOC as methane observed at Bradley East (South section).

No other detections of organic vapor was observed.

BRADLEY WEST EXTENSION

Time of Sweep: 8:45 - 11:45 July 21, 1992

There were no detections in excess of 500 ppm TOC as methane observed at Bradley West Extension.

No other detections of organic vapor was observed.

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 8:30 - 10:32 July 22, 1992

There were no detections in excess of 500 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 8:45 - 11:45 July 21, 1992

There were no detections in excess of 500 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: 234 Bradley West & West Extension

PURPOSE: OVA SWEEP

OPERATOR: Wilson

DATE: 7/21/92 **Start** 8:45 **Finish** 11:45

Model # Century OVA #128
Serial # 40501

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

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
	9	100	4.5
	95	95	
	500	500	

100%

AUDIT

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

Instrument calibrated to CH_4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: #234 Bradley East (North Section)

PURPOSE: OVA SWEEP

OPERATOR: Wilson

DATE: 7/22/92 **Start** 8:30 **Finish** 10:32

Model # Century OVA #128
Serial # 4050

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

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9	100%	3.6
95	95	↓	↓
500	500	↓	↓

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	72 ↔	9	
	84 ↔	95	
	472 ↔	500	
2.			

Instrument calibrated to CH4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: #234 Bradley East (South Section)

PURPOSE: 7/27/92

OPERATOR: Wilson

DATE: OVA SWEEP **Start** 2:10 **Finish** 2:45

Model # Century OVA #128
Serial # 410340

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	3.1 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		3.1
95	95		↓
500	500		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9	7.5	
	95	83	
2.	500	479	

Instrument calibrated to CH4 gas

COMMENTS:

Time	Windspeed
2:13	2.3
2:27	0.8
2:41	4.9

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OVERSIZE ITEM(S)

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A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: SEPTEMBER 4, 1992

TO: FRANK KIESLER

FROM: COZETTA WILSON CW

SUBJECT: **INSTANTANEOUS SURFACE MONITORING (OVA SWEEP) CONDUCTED AT BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON AUGUST 14TH, AND 20TH, 1992**

An instantaneous surface monitoring sweep was conducted August 14, and 20, 1992 using a Century Model 128 Organic Vapor Analyzer (OVA) to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the attached gridded map any detections exceeding 500 parts per million (ppm) total organic carbon (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 & NORTH SECTIONS)

Time of Sweep: 6:45 a.m. - 8:25 a.m. on August 14, 1992

There were no detections in excess of 500 ppm TOC as methane observed at Bradley East

BRADLEY WEST & WEST EXTENSION

Time of Sweep: 6:50 a.m. - 9:20 a.m. on August 20, 1992

There were no detections in excess of 500 ppm TOC as methane observed at Bradley West Extension and Bradley West.

c.c. Eric Davies
Bob Austin

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234 Bradley Landfill East (North + South)

PURPOSE: OVA

OPERATOR: C. Wilson

DATE: 8/14/92 **Start** 6:45 **Finish** 8:25

Model # Century 128
Serial # 40801

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	1.5 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)
9	9	100%	1.5
95	95	100%	1.5
500	500	100%	1.5

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	8 →		
	92 →		
2.	481 →		

Instrument calibrated to CH4 gas

COMMENTS: Time Windspeed
7:00
7:30
8:00

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234 Bradley Landfill (West + West Extension)

PURPOSE: OVA

OPERATOR: C. Wilson

DATE: 8/20/92 **Start** 6:50 **Finish** 9:20

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	2.8 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9	100%	2.8
95	95	↓	↓
500	500		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9	7	
	95	86	
2.	500	452	

Instrument calibrated to CH4 gas

COMMENTS:

Time	Average Wind Speed
7	2.2
8	1.41
9	2.1

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APPENDIX B

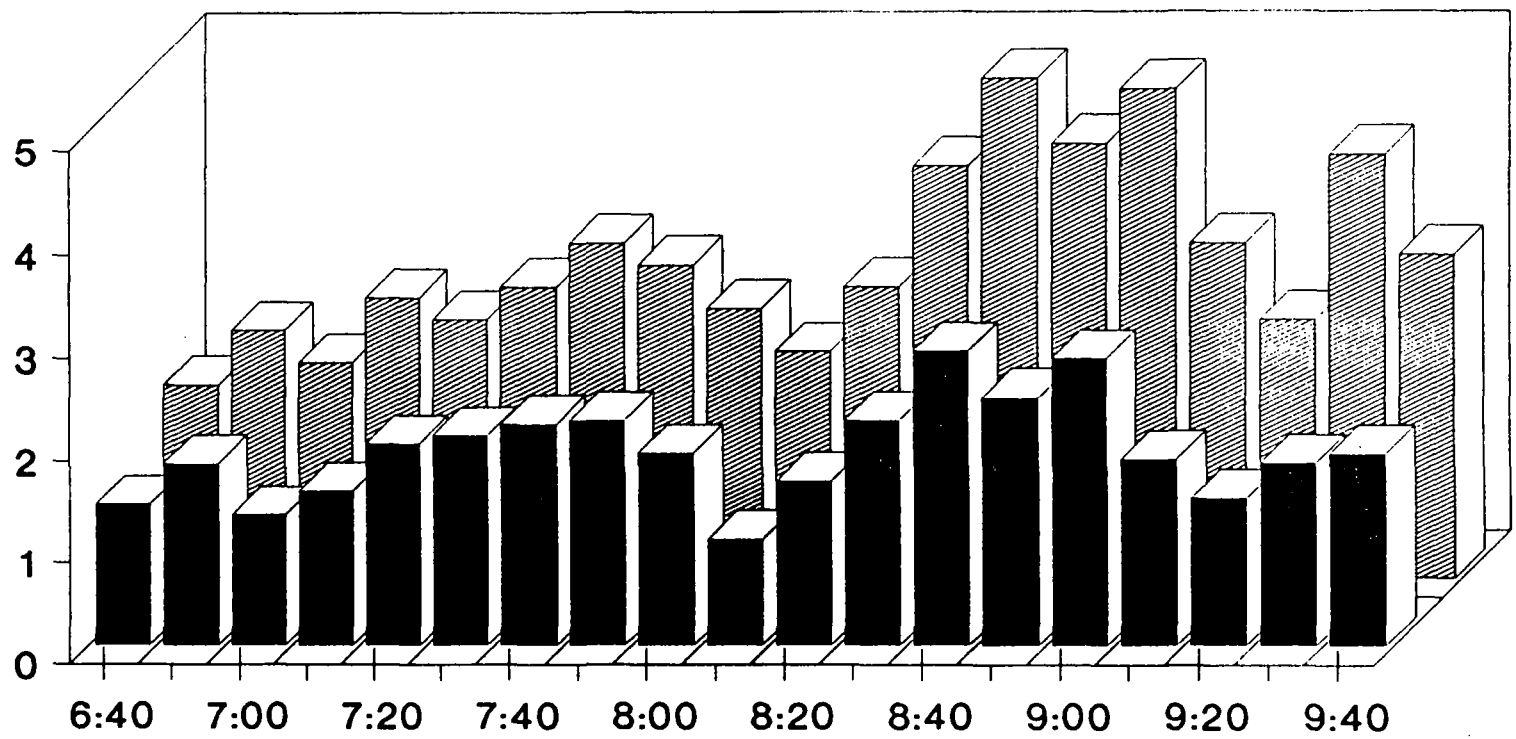
METEOROLOGICAL DATA

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING

Date	Time*	Av. Wind Speed mph	Max. Wind Speed mph
Aug-18	640	1.387	1.893
Aug-18	650	1.782	2.418
Aug-18	700	1.280	2.103
Aug-18	710	1.518	2.734
Aug-18	720	1.975	2.523
Aug-18	730	2.058	2.839
Aug-18	740	2.170	3.259
Aug-18	750	2.205	3.049
Aug-18	800	1.881	2.628
Aug-18	810	1.034	2.208
Aug-18	820	1.607	2.839
Aug-18	830	2.205	3.995
Aug-18	840	2.873	4.836
Aug-18	850	2.425	4.206
Aug-18	900	2.801	4.731
Aug-18	910	1.821	3.259
Aug-18	920	1.438	2.523
Aug-18	930	1.783	4.100
Aug-18	940	1.872	3.154

*Military Time

INTEGRATED SURFACE SAMPLING
AUGUST 18,1992



LEGEND

Mean wind speed Max. wind speed

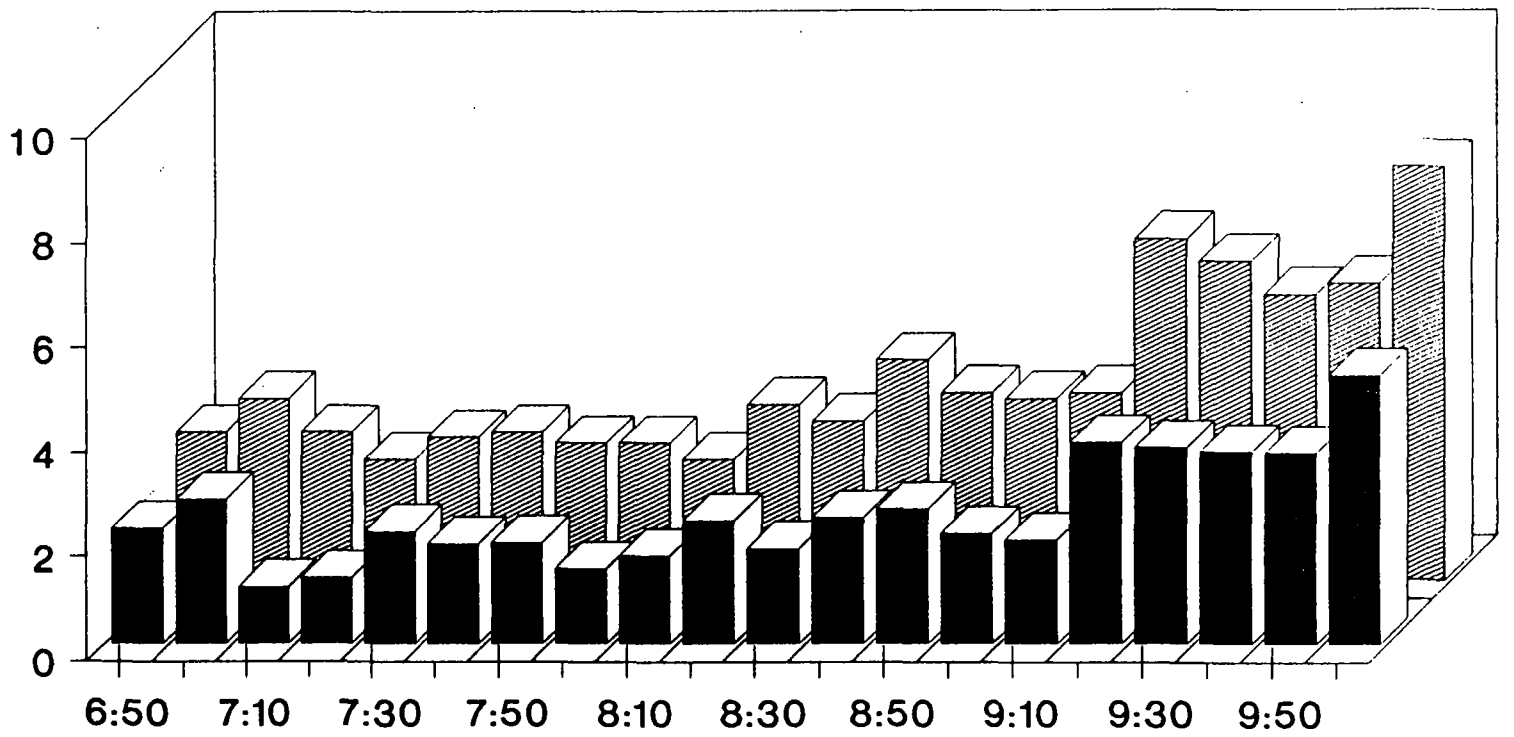
Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING

Date	Time*	Av. Wind Speed mph	Max. Wind Speed mph
Aug-19	650	2.192	2.839
Aug-19	700	2.752	3.470
Aug-19	710	1.067	2.839
Aug-19	720	1.248	2.313
Aug-19	730	2.128	2.734
Aug-19	740	1.886	2.839
Aug-19	750	1.920	2.628
Aug-19	800	1.418	2.628
Aug-19	810	1.665	2.313
Aug-19	820	2.337	3.364
Aug-19	830	1.799	3.049
Aug-19	840	2.389	4.206
Aug-19	850	2.568	3.575
Aug-19	900	2.086	3.470
Aug-19	910	1.961	3.575
Aug-19	920	3.856	6.519
Aug-19	930	3.757	6.098
Aug-19	940	3.673	5.467
Aug-19	950	3.651	5.678
Aug-19	1000	5.126	7.890
Aug-19	1010	5.785	9.460

*Military Time

INTEGRATED SURFACE SAMPLING
AUGUST 19, 1992



LEGEND

Mean wind speed Max. wind speed

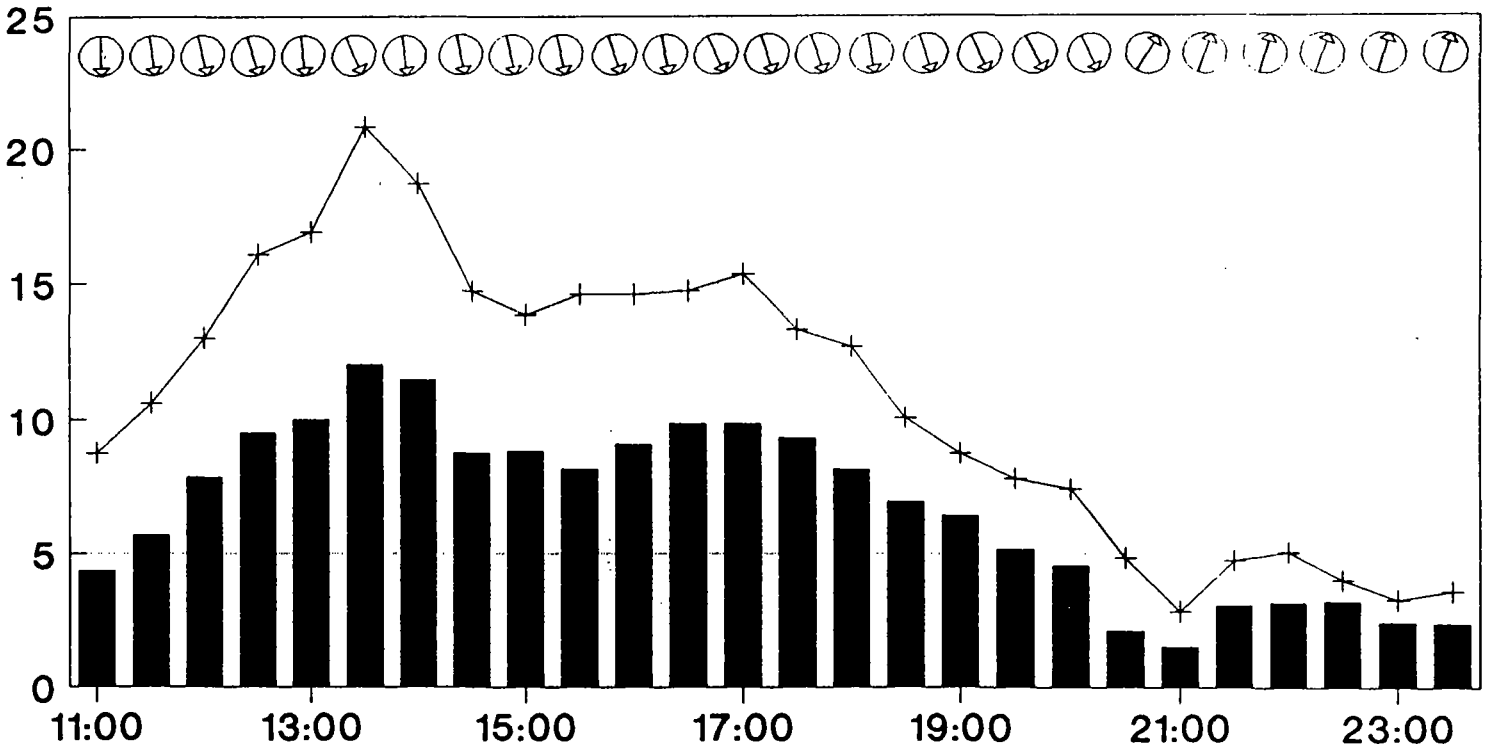
Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR
AUGUST 1992

Date	Time	Av. Wind Speed mph	Max. Wind Speed mph	Wind Dir. Degrees
Aug-18	1100	4.356	8.730	178.10
Aug-18	1130	5.678	10.620	170.80
Aug-18	1200	7.810	13.040	166.00
Aug-18	1230	9.500	16.090	159.70
Aug-18	1300	10.000	16.930	171.90
Aug-18	1330	12.050	20.820	155.90
Aug-18	1400	11.500	18.710	172.10
Aug-18	1430	8.740	14.720	168.20
Aug-18	1500	8.820	13.880	166.60
Aug-18	1530	8.120	14.610	165.80
Aug-18	1600	9.090	14.610	160.20
Aug-18	1630	9.860	14.720	168.70
Aug-18	1700	9.870	15.350	165.90
Aug-18	1730	9.330	13.350	155.10
Aug-18	1800	8.130	12.720	160.90
Aug-18	1830	6.900	10.090	160.10
Aug-18	1900	6.359	8.730	168.70
Aug-18	1930	5.177	7.780	159.90
Aug-18	2000	4.549	7.360	154.70
Aug-18	2030	2.120	4.836	153.40
Aug-18	2100	1.530	2.839	30.57
Aug-18	2130	3.072	4.731	18.17
Aug-18	2200	3.182	5.047	17.05
Aug-18	2230	3.227	3.995	18.62
Aug-18	2300	2.437	3.259	15.93
Aug-18	2330	2.393	3.575	16.26

Ambient Air Wind Data

August 18, 1992



Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

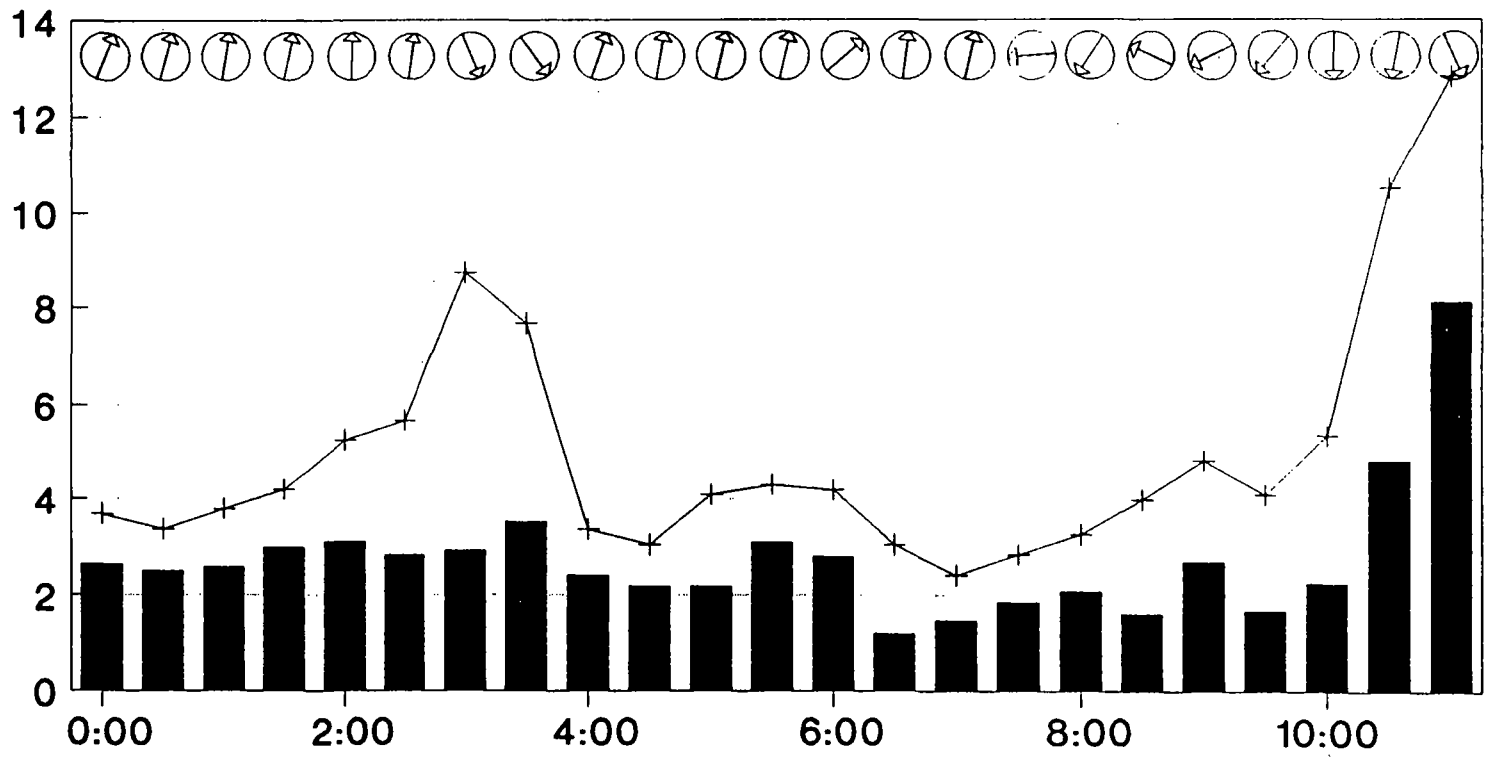
Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR
AUGUST 1992

Date	Time	Av. Wind Speed mph	Max. Wind Speed mph	Wind Dir. Degrees
Aug-19	0	2.638	3.680	21.05
Aug-19	30	2.511	3.364	15.21
Aug-19	100	2.594	3.785	9.47
Aug-19	130	2.996	4.206	12.71
Aug-19	200	3.107	5.257	359.60
Aug-19	230	2.834	5.678	8.68
Aug-19	300	2.921	8.730	156.50
Aug-19	330	3.528	7.680	142.50
Aug-19	400	2.420	3.364	18.61
Aug-19	430	2.190	3.049	11.39
Aug-19	500	2.193	4.100	14.15
Aug-19	530	3.096	4.311	2.92
Aug-19	600	2.804	4.206	12.77
Aug-19	630	1.203	3.049	49.32
Aug-19	700	1.483	2.418	7.67
Aug-19	730	1.851	2.839	13.05
Aug-19	800	2.085	3.259	18.00
Aug-19	830	1.615	3.995	266.40
Aug-19	900	2.700	4.836	214.10
Aug-19	930	1.681	4.100	294.10
Aug-19	1000	2.250	5.362	245.20
Aug-19	1030	4.835	10.510	190.50
Aug-19	1100	8.120	12.830	154.50

Ambient Air Wind Data

August 19, 1992



Average Wind Speed — Maximum Wind Speed

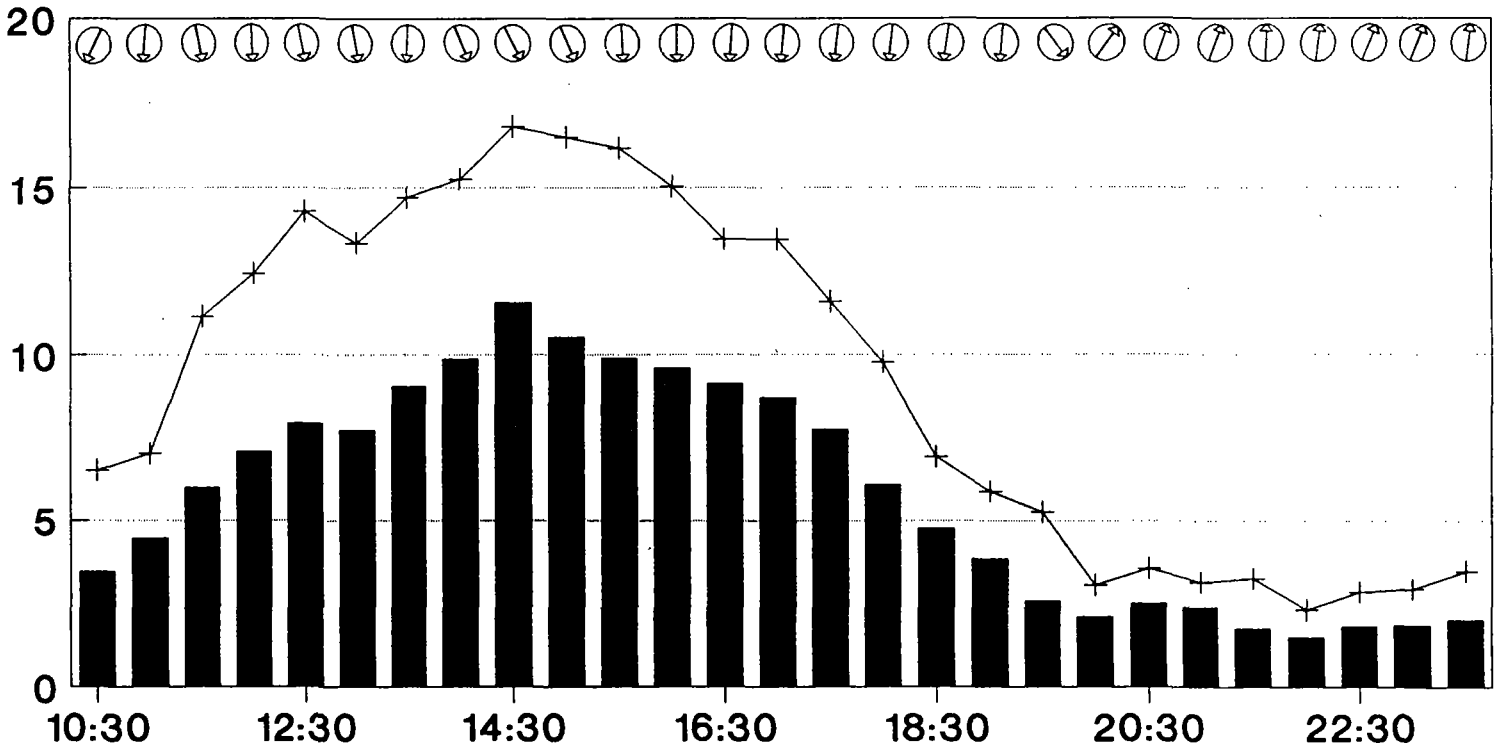
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
SEPTEMBER 9, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
1030	3.444	6.519	204.5
1100	4.464	7.040	184.8
1130	5.998	11.140	167.7
1200	7.100	12.410	176.5
1230	7.950	14.300	168.2
1300	7.750	13.350	169.5
1330	9.070	14.720	181.5
1400	9.870	15.250	157.1
1430	11.540	16.820	151.8
1500	10.530	16.510	155.2
1530	9.900	16.190	177.5
1600	9.610	15.040	178.9
1630	9.150	13.460	184.3
1700	8.740	13.460	184.5
1730	7.780	11.570	187.2
1800	6.096	9.780	186.2
1830	4.775	6.939	188.3
1900	3.845	5.888	185
1930	2.581	5.257	143.1
2000	2.095	3.049	35.52
2030	2.505	3.575	18.65
2100	2.374	3.154	20.11
2130	1.760	3.259	101.5
2200	1.485	2.313	6.894
2230	1.810	2.839	22.13
2300	1.860	2.944	22.05
2330	2.001	3.470	7.1

Ambient Air Wind Data
September 9, 1992



Average Wind Speed — Maximum Wind Speed

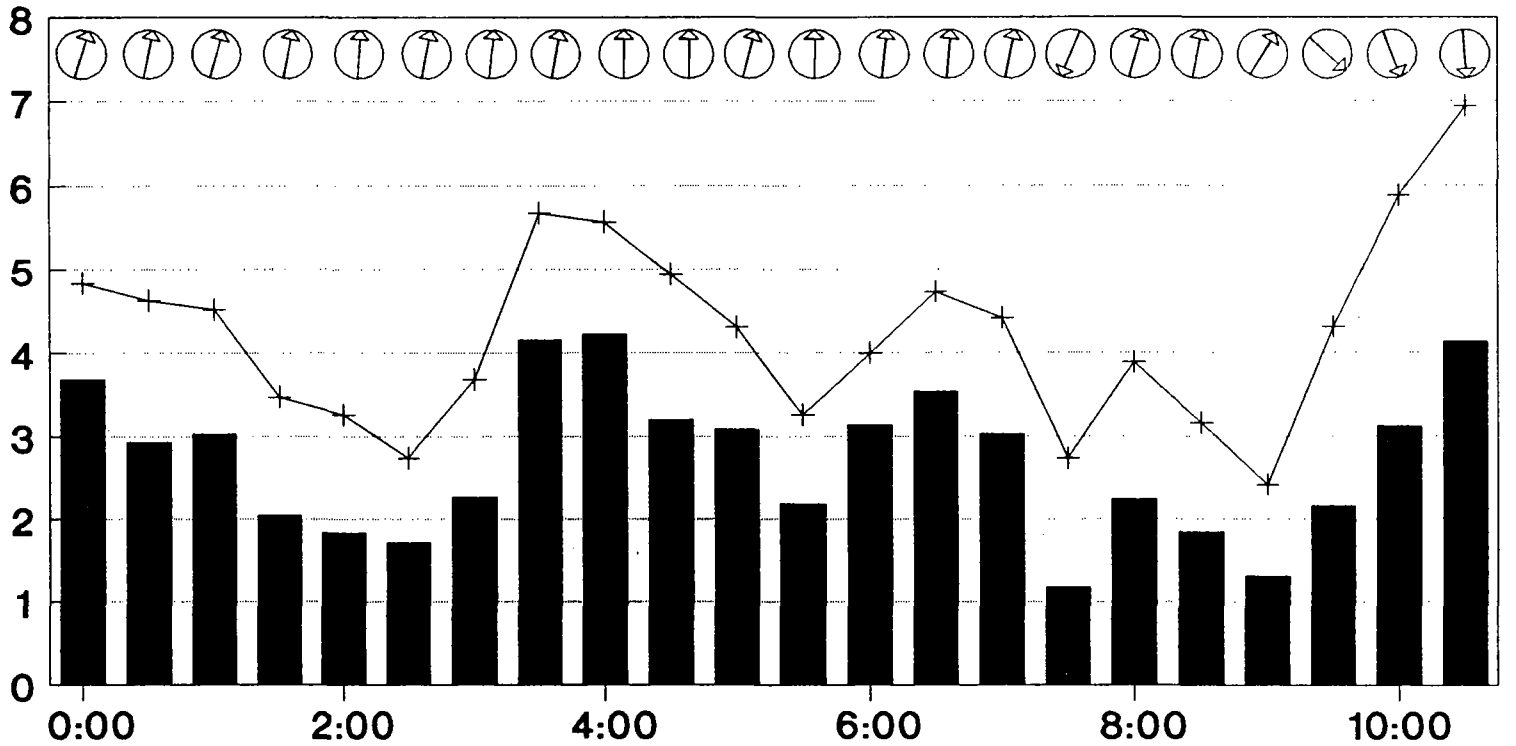
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
SEPTEMBER 10, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
0	3.683	4.836	17.06
30	2.926	4.626	11.17
100	3.024	4.521	14.86
130	2.042	3.470	10.42
200	1.827	3.259	2.427
230	1.719	2.734	10.32
300	2.263	3.680	5.725
330	4.157	5.678	9.41
400	4.228	5.572	0.771
430	3.198	4.942	0.344
500	3.078	4.311	13.68
530	2.180	3.259	0.077
600	3.134	3.995	5.692
630	3.541	4.731	4.927
700	3.028	4.416	10.67
730	1.174	2.734	202.1
800	2.245	3.890	14.49
830	1.849	3.154	10.21
900	1.309	2.418	31.03
930	2.156	4.311	132.3
1000	3.117	5.888	158.3
1030	4.135	6.939	174.7

Ambient Air Wind Data
September 10, 1992



Average Wind Speed — Maximum Wind Speed

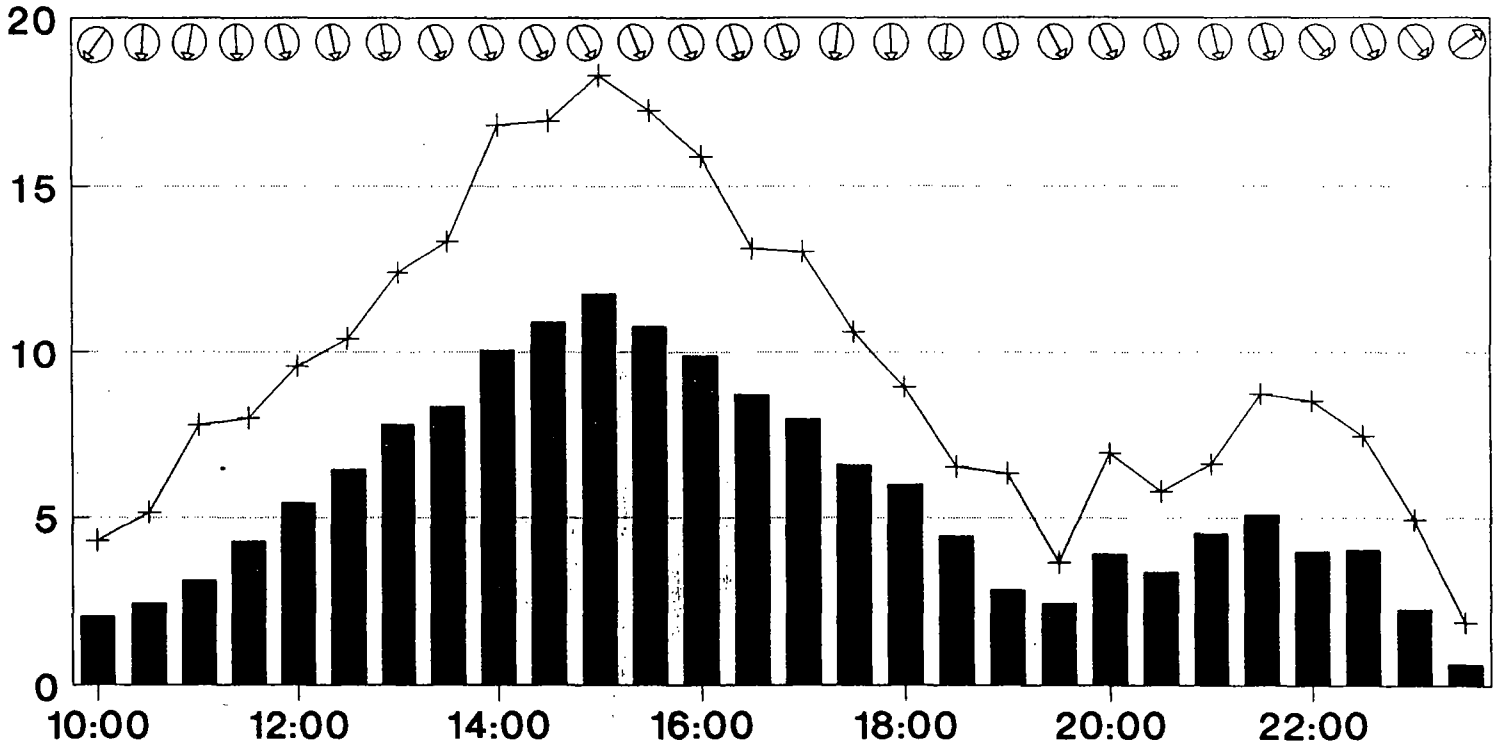
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
OCTOBER 11, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
1000	2.067	4.311	215.2
1030	2.452	5.152	183.7
1100	3.152	7.780	191.9
1130	4.285	7.990	180.3
1200	5.439	9.570	165.9
1230	6.421	10.410	170.0
1300	7.790	12.410	172.0
1330	8.330	13.350	158.0
1400	10.070	16.820	160.6
1430	10.900	16.930	156.1
1500	11.770	18.290	151.7
1530	10.770	17.240	157.2
1600	9.890	15.880	156.9
1630	8.700	13.140	163.0
1700	7.970	13.040	164.5
1730	6.578	10.620	187.1
1800	5.993	8.940	179.6
1830	4.455	6.519	184.2
1900	2.883	6.308	167.1
1930	2.454	3.680	150.8
2000	3.928	6.939	154.1
2030	3.396	5.783	161.9
2100	4.530	6.624	166.6
2130	5.084	8.730	162.4
2200	4.003	8.520	142.2
2230	4.045	7.460	156.0
2300	2.294	4.942	143.3
2330	0.649	1.893	50.2

Ambient Air Wind Data
October 11, 1992



Average Wind Speed — Maximum Wind Speed

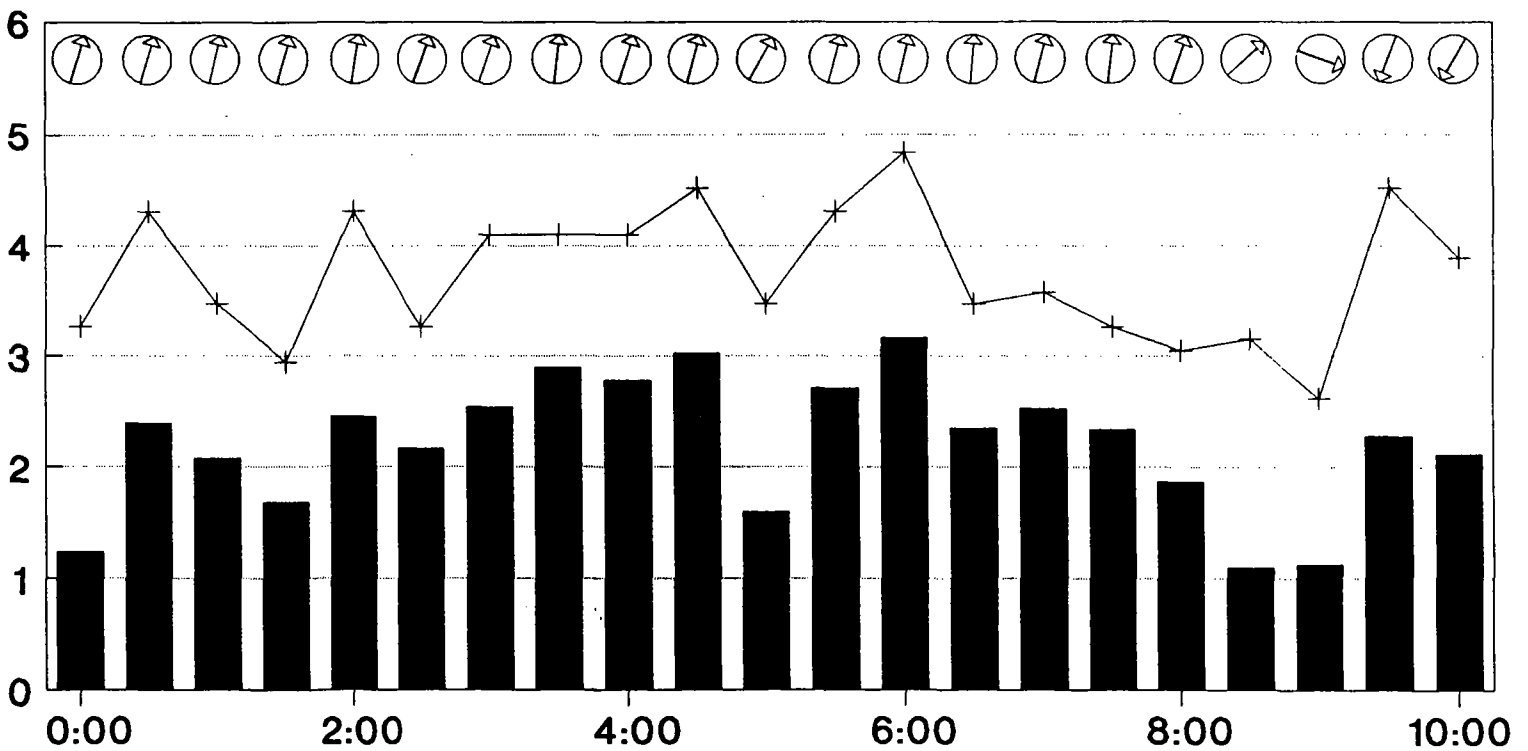
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
OCTOBER 12, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
0	1.237	3.259	16.6
30	2.394	4.311	17.5
100	2.079	3.470	12.7
130	1.680	2.944	16.4
200	2.461	4.311	10.4
230	2.169	3.259	18.8
300	2.546	4.100	18.6
330	2.899	4.100	6.6
400	2.783	4.100	17.4
430	3.024	4.521	15.0
500	1.595	3.470	28.8
530	2.719	4.311	14.9
600	3.164	4.836	13.9
630	2.358	3.470	4.5
700	2.534	3.575	15.4
730	2.344	3.259	6.9
800	1.871	3.049	19.8
830	1.099	3.154	47.5
900	1.128	2.628	109.8
930	2.287	4.521	200.4
1000	2.122	3.890	209.7

Ambient Air Wind Data
October 12, 1992



Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

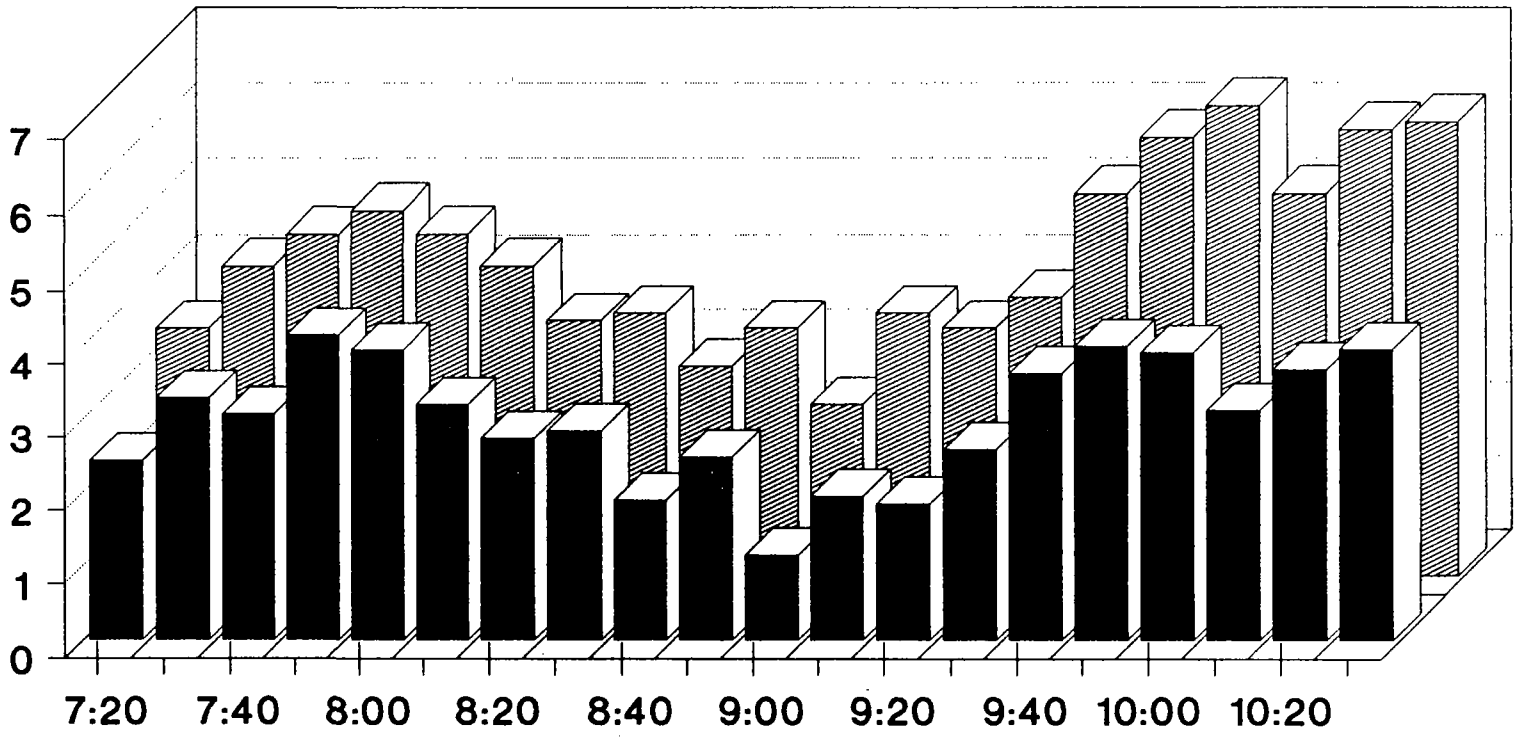
METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
SEPTEMBER 29, 1992

Time	Average Wind Speed	Maximum Wind Speed
710	2.423	3.364
720	3.281	4.206
730	3.064	4.626
740	4.145	4.942
750	3.935	4.626
800	3.194	4.206
810	2.728	3.47
820	2.833	3.575
830	1.881	2.839
840	2.466	3.364
850	1.135	2.313
900	1.934	3.575
910	1.834	3.364
920	2.575	3.785
930	3.614	5.152
940	3.978	5.888
950	3.894	6.308
1000	3.104	5.152
1010	3.661	5.993
1020	3.94	6.098

SEPTEMBER 30, 1992

820	1.286	2.103
830	1.339	2.418
840	1.954	2.944
850	2.112	3.785
900	2.712	4.416
910	3.325	4.942
920	3.56	5.467
930	3.697	5.467
940	3.047	5.572
950	2.869	4.311
1000	2.723	4.626

INTEGRATED SURFACE SAMPLING
September 29,1992

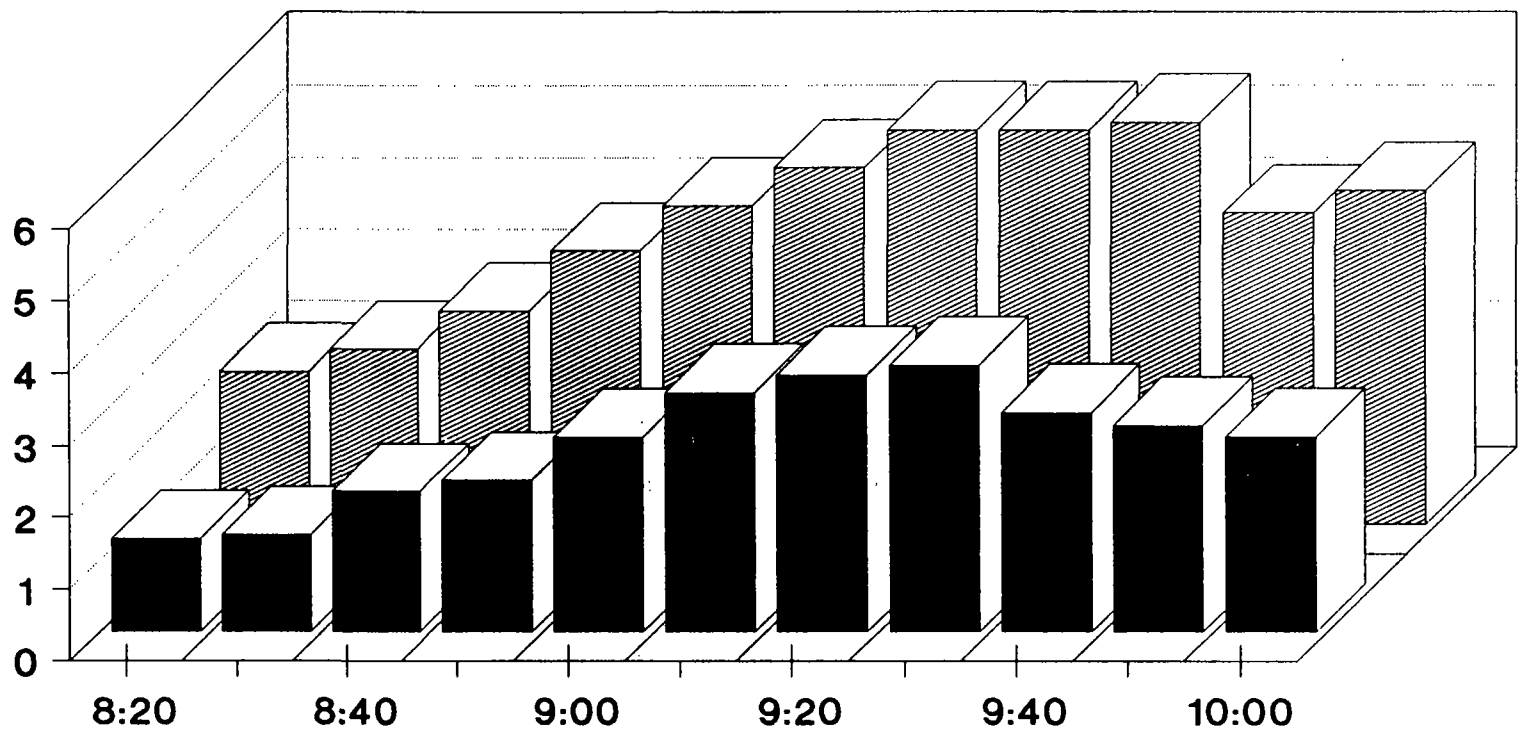


LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
September 30,1992



LEGEND

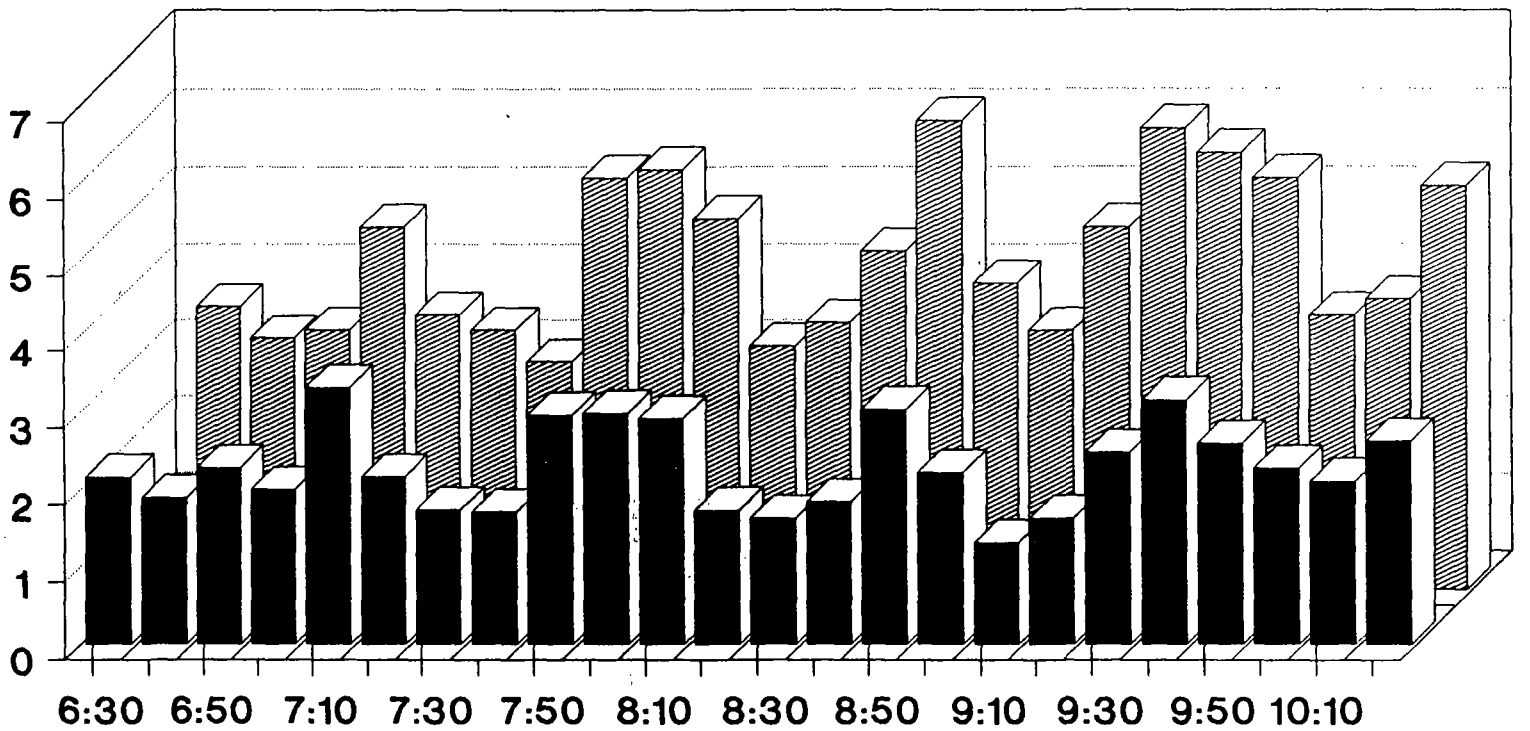
Mean wind speed Max. wind speed

Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
OCTOBER 27, 1992

Time	Average Wind Speed	Maximum Wind Speed
630	2.153	0
640	1.884	3.68
650	2.269	3.259
700	1.994	3.364
710	3.311	4.731
720	2.156	3.575
730	1.724	3.364
740	1.703	2.944
750	2.96	5.362
800	2.983	5.467
810	2.919	4.836
820	1.722	3.154
830	1.619	3.47
840	1.834	4.416
850	3.037	6.098
900	2.214	3.995
910	1.303	3.364
920	1.619	4.731
930	2.481	5.993
940	3.154	5.678
950	2.592	5.362
1000	2.275	3.575
1010	2.103	3.785
1020	2.625	5.257

INTEGRATED SURFACE SAMPLING
October 27,1992



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

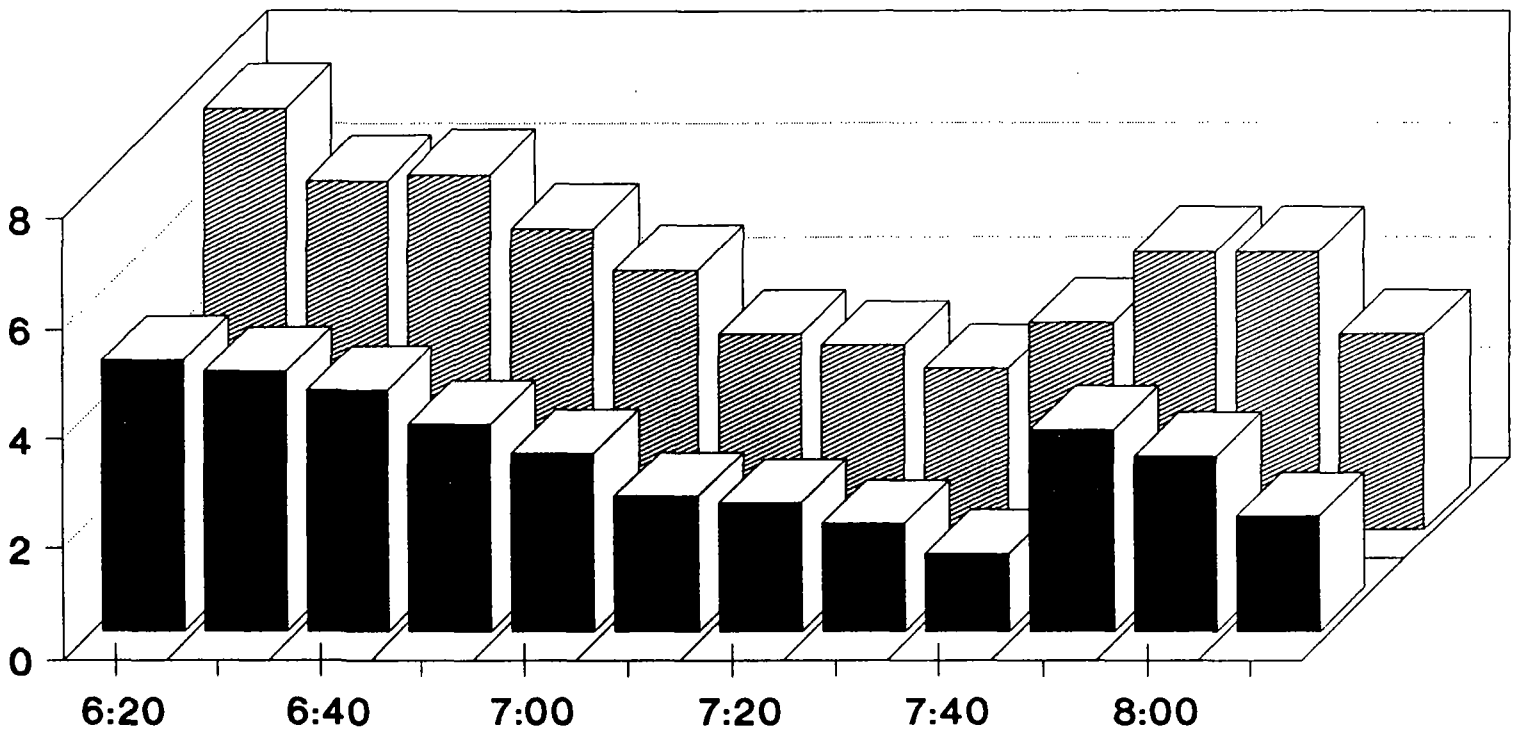
METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
OCTOBER 28, 1992

Time	Average Wind Speed	Maximum Wind Speed
620	4.939	7.57
630	4.73	6.308
640	4.386	6.414
650	3.758	5.467
700	3.229	4.731
710	2.436	3.575
720	2.316	3.364
730	1.927	2.944
740	1.379	3.785
750	3.652	5.047
800	3.172	5.047
810	2.069	3.575

OCTOBER 29, 1992

650	2.151	3.049
700	1.75	2.628
710	1.249	2.313
720	1.31	3.47
730	2.773	4.1
740	2.332	3.47
750	2.196	4.1
800	2.665	4.206
810	2.385	4.836

INTEGRATED SURFACE SAMPLING
October 28,1992

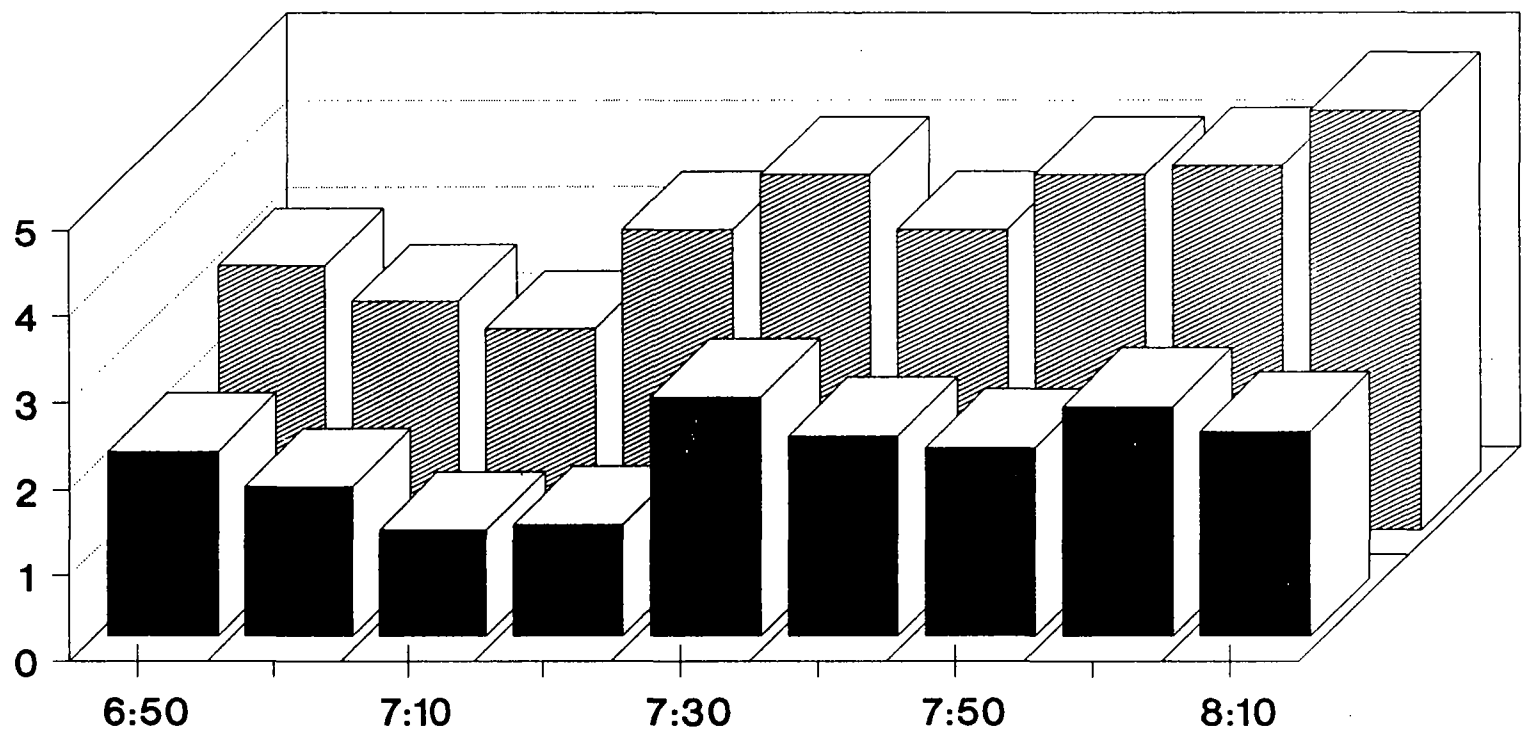


LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
October 29,1992



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).

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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
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: ISS Sample Reading

OPERATOR: R. Johnson

DATE: 7/17/92 **Start** 08:53 **Finish** 09:01

Model # OVA-128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.4 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)
9	9	100	4.0
95	95	100	
500	500	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 09:01	9	9.1	
2.			

Instrument calibrated to_____gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 23rd Bradley Landfill

PURPOSE: ISS Sample Reading

OPERATOR: R. Johnson

DATE: 7/15/92 **Start** 10:45 **Finish** 11:04

Model # OVA128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	9.0 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	9		3.4
95	95		
500	500		

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	11:04	9	9	100
2.				

Instrument calibrated to_____gas

COMMENTS:

A Waste Management Company

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

Site: 235 Date: 7/15/92
Start Time: 7:40 Completion Time: 7:58

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: C. Wilson

Sample Location: Grid #1 Sampler Number: _____

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

Program Start Date: 7/15/92 Time: 09:00
Program Stop Date: / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 9.6 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 235 Date: 7/15/92
Start Time: 7:40 Completion Time: 7:58

Technician: C. Wilson Bag I.D. No.: UR 186

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

Sample Location: Grid 2 Sampler Number: _____

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

Program Start Date: 7/15/92 Time: 08:35
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.3 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23 ft Date: 7/15/92
Start Time: 07:40 Completion Time: 07:58

Technician: CW Bag I.D. No.: 0R171

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

Sample Location: Grid #3 Sampler Number: _____

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

Program Start Date: 7/15/92 Time: 08:02
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.8 Methane ppm
_____ 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.: UR111

Visual Condition of Bag: GR

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 /SS /LFG /Probes /Head Space

Program Start Date: 7/15/92 Time: 7:20
Program Stop Date: Time:

Program Timer Setting: Actual Time:

Rotometer Setting Start: Stop:

Field Readings: 4.3 Methane ppm
Other (Specify)

Observations:

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 7:40 Completion Time: 7:58

Technician: CW Bag I.D. No.: VR166

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 #5 Sampler Number: _____

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

Program Start Date: 7/15/92 Time: 07:17
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.6 Methane ppm
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 23 Bradley

PURPOSE: ISS Sample Reading

OPERATOR: R. Johnson

DATE: 7/16/92 **Start** 10:00 **Finish** 10:15

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	2.5 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)
9	9	100	3.7
95	95	100	
500	500	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 10:15	9	9.2	
2.			

Instrument calibrated to _____ gas

COMMENTS: _____

A Waste Management Company

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

Site: 23 Date: 7/15/92
Start Time: 10:19 Completion Time: 10:21

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: CW

Sample Location: Grid 6 Sampler Number: _____

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

Program Start Date: 7/16 Time: 8:05
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.0 Methane ppm
_____ 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.: UR164

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: 7/16 Time: 8:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.8 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 10:21 Completion Time: 10:22

Technician: R. Johnson Bag I.D. No.: VR176

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: Cerid 8 Sampler Number: _____

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

Program Start Date: 7/16 Time: 805
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.8 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 10:01 Completion Time: 10:03

Technician: R. Johnson Bag I.D. No.: VR181

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 #9 Sampler Number: _____

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

Program Start Date: 7/16/92 Time: 08:17
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.7 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 09:50 Completion Time: 09:52

Technician: R Johnson Bag I.D. No.: VR165

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 #10 Sampler Number: _____

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

Program Start Date: 7/16/92 Time: 07:50
Program Stop Date: / / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.8 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 09:59 Completion Time: 10:01

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

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 #11 Sampler Number: _____

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

Program Start Date: 7/16/92 Time: 7:22
Program Stop Date: / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.9 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 7/15/92
Start Time: 09:48 Completion Time: 09:50

Technician: R. Johnson Bag I.D. No.: VR151

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 12 Sampler Number: _____

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

Program Start Date: 7/16 Time: 7:25
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.5 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23A Date: 9-15-92
Start Time: 09:52 Completion Time: 09:54

Technician: R. Johnson Bag I.D. No.: VR161

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: _____

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

Program Start Date: 7/16/92 Time: 09:17
Program Stop Date: / / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.6 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23~~5~~ Date: 7/15/92
Start Time: 10:05 Completion Time: 10:07

Technician: R. Johnson Bag I.D. No.: VR155

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: 7/16/92 Time: 08:50
Program Stop Date: / / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.6 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23 Date: 7/15/92
Start Time: 10:16 Completion Time: 10:18

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: 7/17/92 Time: 08:16
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.8 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23B Date: 7/15/92
Start Time: 10:07 Completion Time: 10:09

Technician: R. Johnson Bag I.D. No.: VR154

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: 7/17/92 Time: 0714
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.7 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23 Date: 7/15/92
Start Time: 10:09 Completion Time: 10:11

Technician: R. Johnson Bag I.D. No.: VR187

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 7 Sampler Number: _____

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

Program Start Date: 7/18 Time: 7:45
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.8 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 23# Date: 7/15/92
Start Time: 10:13 Completion Time: 10:15

Technician: R. Johnson Bag I.D. No.: VR187

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 18 Sampler Number: _____

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

Program Start Date: 7/17 Time: 8:16
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.0 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 235 Date: 7/15/92
Start Time: 10:01 Completion Time: 10:03

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

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 AA Sampler Number: _____

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

Program Start Date: 7/17/92 Time 9:09
Program Stop Date: / / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.7 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 7/30/92
Start Time: 9:40 Completion Time: 9:50

Technician: Wilsm Bag I.D. No.: UN206

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: Wilsm

Sample Location: DW 24hr Sampler Number: _____

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

Program Start Date: 7/30/92 Time: 10:45
Program Stop Date: 7/30/92 Time: 10:45

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: 7/30/92
Start Time: 9:40 Completion Time: 9:50

Technician: Wilson Bag I.D. No.: VR205

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 <24hr Sampler Number: _____

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

Program Start Date: 7/31/92 Time: 00:00
Program Stop Date: 7/31/92 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: 7/30/92
Start Time: 9:40 Completion Time: 9:50

Technician: Wilson Bag I.D. No.: UB209

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 24hr Sampler Number: _____

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

Program Start Date: 7/30/92 Time: 10:45
Program Stop Date: 7/31/92 Time: 10:45

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: 7/30/92
Start Time: 9:40 Completion Time: 9:50

Technician: Wilson Bag I.D. No.: UR 207

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 Sampler Number: _____

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

Program Start Date: 7/30/92 Time: 00:00
Program Stop Date: 7/30/92 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: 7/30/92
Start Time: 9:40 Completion Time: 9:50

Technician: C. Wilson Bag I.D. No.: VR 208

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 24 hr Dup Sampler Number: _____

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

Program Start Date: 7/30/92 Time: 00:00
Program Stop Date: 7/31/92 Time: 06:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: * Duplicate sampler not operatable. Sample not taken

A Waste Management Company

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

Site: 23 Date: 7-14-92
Start Time: 13:49 Completion Time: 13:52

Technician: R. Johnson Bag I.D. No.: VR153

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: probe West 13 Sampler Number: _____

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

Program Start Date: 7/14/92 Time: 16:36
Program Stop Date: _____ Time: 16:46

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: 8/18

Start Time: 610 Completion Time: 630

Technician: OW Bag I.D. No.: UR171

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 #2 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 07:16

Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1 ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR150

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 #3 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 7:48
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

WD

A Waste Management Company

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

Site: _____ Date: 8/18

Start Time: 6:10 Completion Time: 6:30

Technician: Wilson 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 4 Sampler Number: _____

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

Program Start Date: 8/18 Time: 6:55

Program Stop Date: _____ Time: 7:20

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 6:00 Completion Time: 6:30

Technician: CW Bag I.D. No.: VR187

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 (✓) /LFG /Probes /Head Space

Program Start Date: 7:40 Time: 8:05
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .4 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR164

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

8/18/92

Program Start Date: 8:05 Time: 8:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

1ab

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VK484

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 /ISS /LFG /Probes /Head Space

Program Start Date: 8/18 Time: 8:35
Program Stop Date: _____ Time: 9:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 8ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 600 Completion Time: 630

Technician: CW Bag I.D. No.: VR151

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: D. Johnson

Sample Location: Grid 8 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 9:02
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .5ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR166

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: 8/18/92 Time: 08:36
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: 8/18
Start Time: 1610 Completion Time: 1630

Technician: CW Bag I.D. No.: VR163

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 10 Sampler Number: _____

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

Program Start Date: 8/18 Time: 9:10
Program Stop Date: _____ Time: 9:35

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: Ø Stop: _____

Field Readings: Ø Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 12:50 Completion Time: 1:00

Technician: CW Bag I.D. No.: VR179

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: VR179 Sampler Number: Grid 11

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

Program Start Date: 8/19 Time: 7:24
Program Stop Date: Time: 7:49

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: 8/18

Start Time: 610 Completion Time: 630

Technician: OW 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: R Johnson

Sample Location: Grid #2 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 07:16

Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1 ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 600 Completion Time: 630

Technician: CW Bag I.D. No.: VR150

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 #3 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 7:48
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:_____ Date: 8/18

Start Time: 6:10 Completion Time: 6:30

Technician: Wilson 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 4 Sampler Number:_____

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

Program Start Date: 8/18 Time: 6:55

Program Stop Date:_____ Time: 7:20

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 1ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 6:00 Completion Time: 6:30

Technician: CW Bag I.D. No.: VR187

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 /ISS /LFG /Probes /Head Space

Program Start Date: 7:40 Time: 8:05
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .4ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR164

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

8/18/92

Program Start Date: 8:05 Time: 8:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

1ab

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VK184

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 /ISS /LFG /Probes /Head Space

Program Start Date: 8/18 Time: 8:35
Program Stop Date: _____ Time: 9:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 8ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 600 Completion Time: 630

Technician: CW Bag I.D. No.: VR151

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: D. Johnson

Sample Location: Grid 8 Sampler Number: _____

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

Program Start Date: 8/18/92 Time: 9:02
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .5ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR466

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: 8/18/92 Time: 08:36
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: 8/18
Start Time: 600 Completion Time: 630

Technician: CW Bag I.D. No.: VR163

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 10 Sampler Number: _____

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

Program Start Date: 8/18 Time: 9:10
Program Stop Date: _____ Time: 9:35

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: Ø Stop: _____

Field Readings: Ø Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 12:50 Completion Time: 1:00

Technician: CW Bag I.D. No.: VR179

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: VR 179 Sampler Number: Grid 11

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

Program Start Date: 8/19 Time: 7:24
Program Stop Date: Time: 7:49

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: 8/18
Start Time: 1250 Completion Time: 100

Technician: CW Bag I.D. No.: UR180

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 12 Sampler Number: _____

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

Program Start Date: 8/19 Time: 6:55
Program Stop Date: _____ Time: 7:20

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: 8/18
Start Time: 12:50 Completion Time: 1:00

Technician: CW Bag I.D. No.: VR173

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 13 Sampler Number: _____

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

Program Start Date: 8/19 Time: 7:55
Program Stop Date: _____ Time: 8:20

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR172

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 /SS /LFG /Probes /Head Space

Program Start Date: _____ Time: 10:05
Program Stop Date: _____ Time: 10:30

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 4:00 Completion Time: ~~11:00~~ 5:00

Technician: C. Wilson Bag I.D. No.: 11R111

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

Sample Location: Grid ~~24~~ 5 Sampler Number: _____

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

Program Start Date: _____ Time: 8:10
Program Stop Date: _____ Time: 8:55

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: _____

Field Readings: 3.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR192

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: _____ Time: 9:30
Program Stop Date: _____ Time: ~~9:35~~

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.9 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 400 Date: 9/9/92 500
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: VR191

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: L. Johnson

Sample Location: Grid #7 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 09:56
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.7 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: 10:15 Completion Time: 11:00

Technician: C. Wilson Bag I.D. No.: VR174

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: Cor il #8 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 09:18
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.6ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR46

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 49 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 7:29
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 400 Date: 9/9/92 900
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: UR139

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: 9/29/92 Time: 09:51
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR-120

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: 9/29/92 Time: 8:19
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 7.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: JR204

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: 9/29/92 Time: 08:48
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 7.9 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson 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: 9/~~28~~/92 Time: 9150
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: 234 Date: 8/18
Start Time: 610 Completion Time: 630

Technician: CW Bag I.D. No.: VR165

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 14 Sampler Number: ~~165~~

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

Program Start Date: 8/19 Time: 8:30
Program Stop Date: Time: 8:55

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: 8/18
Start Time: 600 Completion Time: 630

Technician: CW Bag I.D. No.: UR170

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 #15 Sampler Number: _____

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

Program Start Date: 8/19/92 Time: ~~6:55~~ 7:15
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: 9/9/92 500
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: VR154

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

Sample Location: Grid 3 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 7:16
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: _____

Field Readings: 3.5ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson 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: CW

Sample Location: Grid 4 Sampler Number: _____

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

Program Start Date: _____ Time: 10:05
Program Stop Date: _____ Time: 10:30

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: 1R111

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

Sample Location: Grid ~~A~~5 Sampler Number: _____

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

Program Start Date: _____ Time: 8:10
Program Stop Date: _____ Time: 8:45

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: _____

Field Readings: 3.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: 4:00500

Technician: C. Wilson Bag I.D. No.: UR192

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: _____ Time: 9:30
Program Stop Date: _____ Time: 9:35

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.9 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 400 Date: 9/9/92 500
Start Time: 10:15 Completion Time: 11:00

Technician: C. Wilson Bag I.D. No.: VR191

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: L Johnson

Sample Location: Grid #7 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 09:56
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.7 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: 10:15 Completion Time: 11:00

Technician: C. Wilson Bag I.D. No.: VR174

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: Cor il #8 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 09:18
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.6 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR14

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 49 Sampler Number: _____

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

Program Start Date: 9/29/92 Time: 7:29
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 400 Date: 9/9/92 900
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: VR139

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: 9/29/92 Time: 09:51
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR120

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: 9/29/92 Time: 8:19
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 7.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: JR204

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: 9/29/92 Time: 08:48
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 7.9 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR468

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: 9/~~29~~/92 Time: 9:50
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill ~~East~~ West Extension + Bradley East (South Section)

PURPOSE: OVASWEEP

OPERATOR: C. Wilson

DATE: 9/10/92 **Start** 8:45 **Finish** 10:15

Model # 128 Century OVA
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	.9 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			.9
500			.9

AUDIT

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

Instrument calibrated to Chly gas

COMMENTS: 9:15 2.64

A Waste Management Company

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

Site: 234 Date: 9/9/92
Start Time: 4:00 Completion Time: 5:00

Technician: C Wilson Bag I.D. No.: UR 215

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: _____

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

Program Start Date: 9/10/92 Time: 00:00
Program Stop Date: 9/10/92 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: 9/9/92
Start Time: 400 Completion Time: 500

Technician: Wilson Bag I.D. No.: 002216

Visual Condition of Bag: Ok 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: _____

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

Program Start Date: 9/10/92 Time: 10:35
Program Stop Date: 9/11/92 Time: 10:35

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: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR217

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: DWL24 Sampler Number: _____

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

Program Start Date: ~~00:00~~ 9/10/91 Time: 00:00
Program Stop Date: ~~0~~ 9/10/91 Time: 06:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

Include DCDFM

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR 219

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: DW 24hrs Sampler Number:

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

Program Start Date: 9/10/92 Time: 10:35
Program Stop Date: 9/11/92 Time: 10:35

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: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR218

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: DW224hr Colocated Sampler Number: _____

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

Program Start Date: 9/11/92 Time: 00:00
Program Stop Date: 9/11/92 Time: 06:00

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: 234 400 Date: 9/9/92 500
Start Time: ~~10:15~~ Completion Time: ~~11:00~~

Technician: C. Wilson Bag I.D. No.: SC110

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

Sample Location: _____ Sampler Number: _____

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

Program Start Date: 9/15/92 Time: 1:39
Program Stop Date: 9/15/92 Time: 1:49

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: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR189

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 /ISS /LFG /Probes /Head Space

Program Start Date: 9/30/92 Time: 9:20
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR202

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 1/5 Sampler Number: _____

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

Program Start Date: 9/30/92 Time: 8:25
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.82 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 1400 Completion Time: ~~11:00~~ 1500

Technician: C. Wilson Bag I.D. No.: VR122

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 #16 Sampler Number: _____

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

Program Start Date: 9/30/92 Time: 9:52
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.9 ppm 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

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: August 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: August 19, 1992
Date Analyzed: August 19, & 20, 1992

AtmAA Lab No.:	92322-17	92322-18
Sample I.D.:	VR190	VR182
	Probe W13	LFG
Components:	(Concentration in %, v/v)	
Nitrogen	77.8	17.6
Oxygen	21.9	1.21
Methane		43.2
Carbon Dioxide		39.2
	(Concentration in ppm, v/v)	
Carbon Dioxide	1100	
Methane	<1	
TGNMO	1.07	8380
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	229
Benzene	<20	2680
Benzylchloride	<20	<20
Chlorobenzene	<10	1200
Dichlorobenzenes*	<10	954
1,1-dichloroethane	<40	5010
1,2-dichloroethane	<20	357
1,1-dichloroethylene	<5	527
Dichloromethane	<20	10200
Perchloroethene	<10	11400
Carbon Tetrachloride	<1	<5
Toluene	<10	77000
1,1,1-trichloroethane	<5	182
Trichloroethene	<5	4580
Chloroform	<2	<2
Vinyl Chloride	<5	3820
m + p-xylenes	<1	33700
o-xylene	<1	10100

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

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR182	17.5	17.6	17.6	0.28
Oxygen	VR182	1.14	1.28	1.21	5.8
Methane	VR182	43.2	43.2	43.2	0.0
Carbon Dioxide	VR182	39.3	39.1	39.2	0.25
		(Concentration in ppm, v/v)			
TGNMO	VR182	7940	8830	8380	5.2
		(Concentration in ppb, v/v)			
Acetonitrile	VR182	227	231	229	0.87
Benzene	VR182	2610	2740	2680	2.5
Benzylchloride	VR182	<20	<20	---	---
Chlorobenzene	VR182	1120	1280	1200	6.6
Dichlorobenzenes*	VR182	948	959	954	0.58
1,1-dichloroethane	VR182	4920	5100	5010	1.7
1,2-dichloroethane	VR182	362	351	357	1.6
1,1-dichloroethylene	VR182	518	535	527	1.6
Dichloromethane	VR182	10000	10500	10200	2.3
Perchloroethene	VR182	11300	11500	11400	1.2
Carbon Tetrachloride	VR182	<5	<5	---	---
Toluene	VR182	76200	77800	77000	1.0

AtmAA Inc.
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environmental consultants
laboratory services

August 17, 1992

LTR/306/92
8000

Cozetta Wilson
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: 8146351-01

Dear Cozetta:

Please find enclosed the laboratory analysis report and quality assurance summary with the reqested changes per your memo dated August 13, 1992.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: August 3, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: July 31, 1992
Date Analyzed: July 31, 1992

AtmAA Lab No.:	92132-11	92132-12	92132-13	92132-14
Sample I.D.:	VR209	VR206	VR205	VR207
	A.A.	A.A.	A.A.	A.A.
	UW 24hr.	DW 24hr.	UW < 24hr.	DW < 24hr.
Components:	(Concentration in ppm, v/v)			
Methane	3.99	2.46	2.57	95.0
TGNMO	2.67	2.81	2.38	3.14
	(Concentration in ppb, v/v)			
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.35	1.32	1.27	1.56
Benzylchloride	< 0.8	< 0.8	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	1.62	< 1.1	1.63
1,1-dichloroethane	< 0.4	< 0.4	< 0.4	< 0.4
1,2-dichloroethane	< 0.2	< 0.2	< 0.2	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1	< 0.1	< 0.1
Dichloromethane	0.82	1.20	0.64	0.63
Perchloroethene	0.60	0.64	0.34	0.36
Carbon Tetrachloride	0.11	0.12	0.11	0.11
Toluene	6.27	7.18	5.56	8.28
1,1,1-trichloroethane	4.67	5.25	2.81	3.34
Trichloroethene	0.16	0.13	0.16	0.072
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	2.95	3.24	2.88	3.87
o-xylene	0.76	0.85	0.64	1.18

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	VR206	2.48	2.44	2.46	0.81
	VR205	2.56	2.58	2.57	0.39
TGNMO	VR206	3.20	2.42	2.81	14
	VR205	2.08	2.69	2.38	13
		(Concentration in ppb, v/v)			
Acetonitrile	VR205	< 0.8	< 0.8	---	---
Benzene	VR206	1.38	1.27	1.32	4.1
Benzylchloride	VR206	< 0.8	< 0.8	---	---
Chlorobenzene	VR206	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR206	1.57	1.68	1.62	3.4
1,1-dichloroethane	VR209	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR209	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR209	< 0.1	< 0.1	---	---
Dichloromethane	VR206	1.20	1.21	1.20	0.41
Perchloroethene	VR206	0.64	0.63	0.64	0.79
Carbon Tetrachloride	VR206	0.11	0.12	0.12	4.3
Toluene	VR206	7.16	7.20	7.18	0.28
1,1,1-trichloroethane	VR206	5.25	5.25	5.25	0.0
Trichloroethene	VR206	0.13	0.13	0.13	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	VR206	< 0.08	< 0.08	---	---
Vinyl Chloride	VR209	< 0.1	< 0.1	---	---
m + p-xylenes	VR206	3.19	3.28	3.24	1.4
o-xylene	VR206	0.83	0.87	0.85	2.4

A set of 4 Tedlar bag samples, laboratory numbers 92132-(11-14) 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 4 Tedlar bag samples is 3.2%.

F.K.

AUG 10 1992

VALLEY RECLAMATION

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

August 4, 1992

LTR/290/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for four ambient air samples received on July 31, 1992.

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

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
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: August 3, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: July 31, 1992
Date Analyzed: July 31, 1992

AtmAA Lab No.:	92132-11	92132-12	92132-13	92132-14
Sample I.D.:	VR209	VR206	VR205	VR207
	A.A.	A.A.	A.A.	A.A.
	UW 24hr.	DW 24hr.	UW < 24hr.	DW < 24hr.
Components:	(Concentration in ppm, v/v)			
Methane	3.99	2.46	2.57	95.0
TGNMO	2.67	2.81	2.38	3.14
	(Concentration in ppb, v/v)			
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.35	1.32	1.27	1.56
Benzylchloride	< 0.8	< 0.8	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	1.62	< 1.1	1.63
1,1-dichloroethane	< 0.4	< 0.4	< 0.4	< 0.4
1,2-dichloroethane	< 0.2	< 0.2	< 0.2	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1	< 0.1	< 0.1
Dichloromethane	0.82	1.20	0.64	0.63
Perchloroethene	0.60	0.64	0.34	0.36
Carbon Tetrachloride	0.11	0.12	0.11	0.11
Toluene	6.27	7.18	5.56	8.28
1,1,1-trichloroethane	4.67	5.25	2.81	3.34
Trichloroethene	0.16	0.13	0.16	0.072
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	2.95	3.24	2.88	3.87
o-xylene	0.76	0.85	0.64	1.18

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	VR206	2.48	2.44	2.46	0.81
	VR205	2.56	2.58	2.57	0.39
TGNMO	VR206	3.20	2.42	2.81	14
	VR205	2.08	2.69	2.38	13
		(Concentration in ppb, v/v)			
Acetonitrile	VR205	<0.8	<0.8	---	---
Benzene	VR206	1.38	1.27	1.32	4.1
Benzylchloride	VR206	<0.8	<0.8	---	---
Chlorobenzene	VR206	<0.1	<0.1	---	---
Dichlorobenzenes*	VR206	1.57	1.68	1.62	3.4
1,1-dichloroethane	VR209	<0.4	<0.4	---	---
1,2-dichloroethane	VR209	<0.2	<0.2	---	---
1,1-dichloroethylene	VR209	<0.1	<0.1	---	---
Dichloromethane	VR206	1.20	1.21	1.20	0.41
Perchloroethene	VR206	0.64	0.63	0.64	0.79
Carbon Tetrachloride	VR206	0.11	0.12	0.12	4.3
Toluene	VR206	7.16	7.20	7.18	0.28
1,1,1-trichloroethane	VR206	5.25	5.25	5.25	0.0
Trichloroethene	VR206	0.13	0.13	0.13	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	VR206	< 0.08	< 0.08	---	---
Vinyl Chloride	VR209	< 0.1	< 0.1	---	---
m + p-xylenes	VR206	3.19	3.28	3.24	1.4
o-xylene	VR206	0.83	0.87	0.85	2.4

A set of 4 Tedlar bag samples, laboratory numbers 92132-(11-14) 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 4 Tedlar bag samples is 3.2%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxic Air Contaminants	Methane	TGNMO							Field Comments	Lab* Comments
VR209	7/31/92	10:45	AA DW<24hr	X	X	X								92132-11
VR206	7/31/92	10:45	AA DW 24hr	X	X	X								-12
VR205	7/31/92	12:00	AA DW<24hr	X	X	X								-13
VR207	7/31/92	12:00	AA DW<24hr	X	X	X								-14
VR208	7/31/92	12:00	AA DW<24hr	~~X~~	X	X							No Sample: Sampler not working	

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 7/31/92	Time 12:04	Received for Laboratory: (*Signature*) Karen Porter	Date 7/31/92	Time 12:04

* 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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JUL 24 1992

July 21, 1992

LTR/271/92
8000

Ryle Johnson
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 8146351-01

Dear Ryle:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody forms for four Tedlar bag samples received on July 14, & 16, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: July 17,1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: July 14, 1992
Date Analyzed: July 15, & 16, 1992

AtmAA Lab No.:	91962-31	91962-32
Sample I.D.:	VR128	VR153
	LFG	Probe W13
Components:	(Concentration in %, v/v)	
Nitrogen	24.2	78.8
Oxygen	3.55	21.1
Methane	37.6	
Carbon Dioxide	34.6	
	(Concentration in ppm, v/v)	
Carbon Dioxide		1010
Methane		5.07
TGNMO	3960	2.12
	(Concentration in ppb, v/v)	
Acetonitrile	12.1	< 0.8
Benzene	2220	0.75
Benzylchloride	< 20	< 0.7
Chlorobenzene	953	< 0.2
Dichlorobenzenes*	477	0.55
1,1-dichloroethane	3940	< 40
1,2-dichloroethane	370	< 20
1,1-dichloroethylene	182	< 5
Dichloromethane	6380	< 60
Perchloroethene	9470	< 10
Carbon Tetrachloride	< 1	< 1
Toluene	58800	1.48
1,1,1-trichloroethane	119	< 5
Trichloroethene	4580	< 5
Chloroform	< 10	< 10
Vinyl Chloride	3390	< 5
m + p-xylenes	21000	0.39
o-xylene	6120	0.22

* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8146351-01
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR128	24.4	24.1	24.2	0.62
Oxygen	VR128	3.50	3.60	3.55	1.4
Methane	VR128	37.5	37.6	37.6	0.13
Carbon Dioxide	VR128	34.7	34.6	34.6	0.14
		(Concentration in ppm, v/v)			
TGNMO	VR128	3860	4070	3960	2.6
		(Concentration in ppb, v/v)			
Acetonitrile	VR128	11.8	12.4	12.1	2.5
Benzene	VR128	2220	2230	2220	0.22
Benzylchloride	VR128	<20	<20	---	---
Chlorobenzene	VR128	981	926	953	2.9
Dichlorobenzenes*	VR128	479	476	477	0.31
1,1-dichloroethane	VR128	3830	4040	3940	2.7
1,2-dichloroethane	VR128	353	388	370	4.7
1,1-dichloroethylene	VR128	187	176	182	3.0
Dichloromethane	VR128	6430	6340	6380	0.70
Perchloroethene	VR128	9340	9600	9470	1.4
Carbon Tetrachloride	VR128	<1	<1	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Toluene	VR128	59600	58100	58800	1.3
1,1,1-trichloroethane	VR128	120	118	119	0.84
Trichloroethene	VR128	4600	4570	4580	0.33
Chloroform	VR128	< 10	< 10	---	---
Vinyl Chloride	VR128	3380	3400	3390	0.29
m + p-xylenes	VR128	21200	20800	21000	0.95
o-xylene	VR128	6190	6050	6120	1.1

A set of 2 Tedlar bag samples, laboratory numbers 91962-(31 & 32) 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 20 repeat measurements from the sample set of 2 Tedlar bag samples is 1.4%.

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: July 17, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: July 14, 1992
Date Analyzed: July 16, 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)
91962-31	VR128	35.3	36.5

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site/Facility # 235 / Bradley Landfill

Site Name

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Permanent Gases	H_2S			CH_4				Field Comments	Lab* Comments
VR 128	7/14/92	14:27	Landfill Gas	✓	✓	✓	✓								91962-31
VR 153	7/14/92	16:36	Probe W 13	✓	✓	✓				0.2					-32

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/14/92	17:43		7/14/92	1743
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

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: July 21, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: July 16, 1992
Date Analyzed: July 16, & 17, 1992

AtmAA Lab No.:	91982-1	91982-2
Sample I.D.:	VR168	VR176
	ISS Grid 1	ISS Grid 8
Components:	(Concentration in ppm, v/v)	
Methane	9.29	4.51
TGNMO	5.17	5.88
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	4.14	7.82
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	0.78	0.44
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	2.03	1.59
Perchloroethene	0.89	0.64
Carbon Tetrachloride	0.11	0.12
Toluene	5.75	8.82
1,1,1-trichloroethane	14.1	25.3
Trichloroethene	0.16	0.11
Chloroform	<0.1	<0.1
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	2.59	5.22
o-xylene	0.65	1.34

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
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	VR168	9.32	9.26	9.29	0.32
TGNMO	VR168	5.48	4.86	5.17	6.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR168	< 0.8	< 0.8	---	---
Benzene	VR176	8.36	7.28	7.82	6.9
Benzylchloride	VR176	< 0.8	< 0.8	---	---
Chlorobenzene	VR176	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR176	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR168	0.82	0.75	0.78	4.4
1,2-dichloroethane	VR168	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR168	< 0.1	< 0.1	---	---
Dichloromethane	VR168	2.02	2.04	2.03	0.49
Perchloroethene	VR176	0.65	0.64	0.64	0.78
Carbon Tetrachloride	VR176	0.11	0.12	0.12	4.3
Toluene	VR176	8.98	8.67	8.82	1.8
1,1,1-trichloroethane	VR176	25.3	25.3	25.3	0.0
Trichloroethene	VR176	0.10	0.12	0.11	9.1
Chloroform	No Repeat				

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	VR168	5.28	5.16	5.22	1.1
o-xylene	VR176	1.36	1.33	1.34	1.1

A set of 2 Tedlar bag samples, laboratory numbers 91982-(1 & 2) 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 12 repeat measurements from the sample set of 2 Tedlar bag samples is 3.0%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 235

Site Name Bradley Landfill

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Permanent Gases							Field Comments	Lab* Comments
				Analyses						Field Testing				
UR 168	7/15/92	09:00	ISS - Grid 1	✓	✓	✓				9/9	82	-1		
UR 176	7/16/92	08:05	ISS - Grid 8	✓	✓	✓						-2		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/16/92	14:14			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				7/16/92	16:14

* 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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AUG 31 1992

VALLEY RECLAMATION

August 26, 1992

LTR/319/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody form for ambient air, integrated surface, probe and landfill gas samples received on August 19, 1992.

The samples were analyzed for components corresponding to the chain of custody form.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATm. A.A. Inc.	No.

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) Cynthia Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMD	Methane	Permanent Gases	H_2S					Field Comments	Lab* Comments
VR210	8/18	10:30	AA. DW 24 hrs	X	X	X								92322-10
VR 211 ~~VR212~~	8/18 ~~8/19~~	10:30 ~~1200~~	A.A. DW 24hrs											-11
VR212	8/19	1200	AA DW < 24hrs											-12
VR213	8/19	12:00	AA DW < 24hrs											-13
VR214	8/19	12:00	AA DW < 24hrs Dup											-14
VR184	8/18/92	8:35	ISS Grid # 7	X	X		X						8 ppm Cl/ty	-15
VR186	8/18/92	6:55	ISS Grid # 4	X	X		X						10 ppm Cl/ty	-16
~~VR190~~	~~8/19/92~~	~~2:47~~	~~LFG~~ Pipe W13	X	X		X	X						-17
VR182	8/19/92	2:17	~~Pipe #~~ LFG	X	X	X								-18

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/19/92	5:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	8/19/92	5:30

* 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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SEP 22 1992
VALLEY RECLAMATION

September 16, 1992

LTR/346/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Summa canister samples received on September 11, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: September 16, 1992
P.O. No.: 814635-01
Site: Bradley Landfill
Date Received: September 11, 1992
Date Analyzed: September 11, & 12, 1992

AtmAA Lab No.:	92552-7	92552-8	92552-9	92552-10	92552-11
Sample I.D.:	VR218	VR217	VR216	VR219	VR215
	DW < 24hrs colocated A.A.	DW < 24hrs A.A	UW24hrs A.A.	DW24hrs A.A.	UP < 24hrs A.A.
Components:	(Concentration in ppm, v/v)				
Methane	26.8	9.93	7.94	2.61	2.93
TGNMO	3.10	2.74	2.50	3.02	2.61
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	4.61	4.21	4.04	4.04	4.41
Benzylchloride	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzenes*	1.32	< 1.1	< 1.1	< 1.1	< 1.1
1,1-dichloroethane	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2-dichloroethane	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dichloromethane	1.11	1.17	1.19	1.52	1.16
Perchloroethene	0.48	0.46	0.72	0.72	0.56
Carbon Tetrachloride	0.14	0.14	0.14	0.13	0.14
Toluene	12.0	10.3	7.58	11.2	8.85
1,1,1-trichloroethane	2.74	2.54	4.47	6.24	2.58
Trichloroethene	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	4.61	4.24	3.53	3.71	4.29
o-xylene	4.16	3.46	1.92	3.96	2.03

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR218	26.8	26.8	26.8	0.0
	VR217	9.92	9.94	9.93	0.10
	VR219	2.60	2.63	2.61	0.57
TGNMO	VR218	3.70	2.50	3.10	19
	VR217	2.84	2.63	2.74	3.8
	VR219	2.29	3.74	3.02	24
		(Concentration in ppb, v/v)			
Acetonitrile	VR218	<0.8	<0.8	---	---
	VR219	<0.8	<0.8	---	---
	VR215	<0.8	<0.8	---	---
Benzene	VR217	4.32	4.10	4.21	2.6
Benzylchloride	No Repeat				
Chlorobenzene	VR217	<0.1	<0.1	---	---
Dichlorobenzenes*	No Repeat				
1,1-dichloroethane	VR217	<0.4	<0.4	---	---
1,2-dichloroethane	VR217	<0.2	<0.2	---	---
1,1-dichloroethylene	VR218	<0.1	<0.1	---	---
Dichloromethane	VR217	1.16	1.14	1.17	0.85
Perchloroethene	VR217	0.46	0.46	0.46	0.0
Carbon Tetrachloride	VR217	0.13	0.14	0.14	3.7
Toluene	VR217	10.7	9.90	10.3	3.9
1,1,1-trichloroethane	VR217	2.54	2.55	2.54	0.20
Trichloroethene	VR217	<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	VR217	< 0.08	< 0.08	---	---
Vinyl Chloride	VR218	< 0.1	< 0.1	---	---
m + p-xylenes	VR217	4.40	4.08	4.24	3.8
o-xylene	VR217	3.69	3.22	3.46	6.8

A set of 5 Tedlar bag samples laboratory numbers, 92552-7-11 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 5 Tedlar bag samples is 5.0%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	AtmAA Inc.	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
VR218	9/11/92	00:00	DW 24hrs A.A. colocated	X	X	X								92552-7
VR217	9/11/92	00:00	DW 24hrs A.A.	X	X	X								-8
VR216	9/11/92	10:35	UW 24hrs A.A.	X	X	X								-9
VR219	9/11/92	10:35	DW 24hrs A.A.	X	X	X								-10
VR215	9/11/92	00:00	UW 24hrs A.A.	X	X	X								-11

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozetta Wilson	9/11/92	12:44	[illegible]	9-11-92	12:44
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

NOV 09 1992

VALLEY RECLAMATION

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

November 4, 1992

LTR/444/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed a re-issue laboratory analysis report and quality assurance summary for samples received on September 15, 1992, there was a typo found for the reported toluene result for the landfill gas sample.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

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)			
1,1,1-trichloroethane	VR182	180	185	182	1.5
Trichloroethene	VR182	4480	4680	4580	2.2
Chloroform	VR182	<2	<2	---	---
Vinyl Chloride	VR182	3860	3780	3820	1.0
m+p-xylenes	VR182	33000	34000	33700	1.9
o-xylene	VR182	9960	10200	10100	1.2

A set of 2 Tedlar bag samples laboratory numbers, 92322-17 & 18 was analyzed for SCAQMD 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 20 repeat measurements from the sample set of 2 Tedlar bag samples is 2.0%.

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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: August 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: August 19, 1992
Date Analyzed: August 20, 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)
92322-18	VR182	44.0	45.2

Michael L. Porter
Laboratory Director

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: August 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: August 19, 1992
Date Analyzed: August 19, & 20, 1992

AtmAA Lab No.:	92322-15	92322-16
Sample I.D.:	VR184	VR186
	ISS Grid #7	ISS Grid #4
Components:	(Concentration in %, v/v)	
Nitrogen	78.1	79.0
Oxygen	21.8	21.8
	(Concentration in ppm, v/v)	
Carbon Dioxide	405	409
Methane	2.34	2.22
TGNMO	3.51	2.80
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	5.07	4.73
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	0.16	0.20
Dichloromethane	1.29	0.67
Perchloroethene	0.37	0.34
Carbon Tetrachloride	0.39	0.38
Toluene	6.08	4.87
1,1,1-trichloroethane	14.4	3.23
Trichloroethene	0.094	0.16
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	2.95	3.73
o-xylene	1.19	1.37

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.Q. No.: 8148460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR184	78.4	77.8	78.1	0.38
Oxygen	VR184	21.7	21.8	21.8	0.23
		(Concentration in ppm, v/v)			
Methane	VR184	2.36	2.33	2.34	0.64
Carbon Dioxide	VR184	407	404	405	0.37
TGNMO	VR184	3.41	3.61	3.51	2.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR184	< 0.8	< 0.8	—	—
Benzene	VR184	4.84	5.30	5.07	4.5
Benzylchloride	No Repeat				
Chlorobenzene	No Repeat				
Dichlorobenzenes*	No Repeat				
1,1-dichloroethane	VR184	< 0.4	< 0.4	—	—
1,2-dichloroethane	VR184	< 0.2	< 0.2	—	—
1,1-dichloroethylene	VR184	0.17	0.15	0.16	6.2
Dichloromethane	VR184	1.27	1.31	1.29	1.5
Perchloroethene	VR184	0.37	0.37	0.37	0.0
Carbon Tetrachloride	VR184	0.39	0.39	0.39	0.0
Toluene	No Repeat				
1,1,1-trichloroethane	VR184	14.4	14.4	14.4	0.0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR184	0.10	0.087	0.094	7.9
Chloroform	VR184	< 0.08	< 0.08	---	---
Vinyl Chloride	VR184	< 0.1	< 0.1	---	---
m + p-xylenes	No Repeat				
o-xylene	No Repeat				

A set of 2 Tedlar bag samples laboratory numbers, 92322-15 & 16 was analyzed for SCAQMD 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 12 repeat measurements from the sample set of 2 Tedlar bag samples is 2.0%.

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: August 25, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: August 19, 1992
Date Analyzed: August 19, & 20, 1992

AtmAA Lab No.:	92322-10	92322-11	92322-12	92322-13	92332-14
Sample I.D.:	VR210	VR211	VR212	VR213	VR214
	A.A	A.A.	A.A.	A.A	A.A
	Upwind	Downwind	Upwind	Downwind	Downwind
	24hrs	24hrs	<24hrs	<24hrs	<24hrs Dup
Components:	(Concentration in ppm, v/v)				
Methane	3.83	2.49	2.54	7.62	4.17
TGNMO	3.22	3.53	2.48	3.20	3.24
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	4.23	4.48	3.84	4.02	3.88
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	<0.4	<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	0.90	1.03	0.69	1.02	1.01
Perchloroethene	0.58	0.58	0.27	0.31	0.30
Carbon Tetrachloride	0.12	0.12	0.12	0.12	0.12
Toluene	7.58	8.25	6.62	7.62	7.63
1,1,1-trichloroethane	4.25	5.33	2.28	3.60	3.57
Trichloroethene	0.088	0.11	0.068	0.099	0.083
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	4.11	3.86	3.53	4.39	4.31
o-xylene	2.05	2.18	1.67	2.08	2.14

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	VR211	2.51	2.48	2.49	0.60
TGNMO	VR210	3.41	3.03	3.22	5.9
		(Concentration in ppb, v/v)			
Acetonitrile	VR210	<0.8	<0.8	---	---
	VR211	<0.8	<0.8	---	---
Benzene	VR213	4.08	3.97	4.02	1.4
Benzylchloride	VR213	<0.8	<0.8	---	---
Chlorobenzene	VR213	<0.1	<0.1	---	---
Dichlorobenzenes*	VR213	<1.1	<1.1	---	---
1,1-dichloroethane	VR211	<0.4	<0.4	---	---
	VR213	<0.4	<0.4	---	---
1,2-dichloroethane	VR211	<0.2	<0.2	---	---
	VR213	<0.2	<0.2	---	---
1,1-dichloroethylene	VR212	<0.1	<0.1	---	---
Dichloromethane	VR211	1.07	0.99	1.03	3.9
Perchloroethene	VR211	0.59	0.58	0.58	0.85
Carbon Tetrachloride	VR211	0.12	0.12	0.12	0.0
Toluene	VR213	7.54	7.71	7.62	1.1
1,1,1-trichloroethane	VR211	5.30	5.36	5.33	0.56
Trichloroethene	VR211	0.094	0.12	0.11	12

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	VR211	< 0.08	< 0.08	---	---
Vinyl Chloride	VR212	< 0.1	< 0.1	---	---
m + p-xylenes	VR213	4.39	4.39	4.39	0.0
o-xylene	VR213	2.04	2.11	2.08	1.7

A set of 5 Tedlar bag samples laboratory numbers, 92322-(10-14) 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 2.5%.

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).

4 OF 16

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

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): 3003
BAROMETRIC (after): 3001

BY: ALVES DATE: 7/6/92 START TIME: 2:47 FINISH TIME: 3:37

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	+.05								
W-1M	0	+.11								
W-1D	0	+.17								
W-2A	0	+.04								
W-2B	0	+.09								
W-3S	0	+.04								
W-3M	0	+.10								
W-3D	0	+.17								
W-4	0	+.04								
W-5S	0	+.02								
W-5M	0	+.06								
W-5D	0	+.13								
W-6	0	+.06								
W-7S	0	+.03								
W-7M	0	+.08								
W-7D	0	+.1								
W-8	0	+.04								
W-9A										
W-9B	0	+.04								
W-10S	0	0								
W-10M	0	0								
W-10D	0	+.01								
W-11	0	+.02								
W-12S	0	+.01								
W-12M	0	+.03								
W-12D	0	+.04								
W-13	0	0								
W-14S	0	0								
W-14M	0	+.01								
W-14D	0	+.03								

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): _____

BY: R Johnson DATE: 7/14/92 START TIME: 14:39 FINISH TIME: 15:27

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	0	0.01								
E-3	0	0.00								
E-4	0	0.00								
E-5S	0	0.00								
E-5M	0	0.06								
E-5D	0	0.00								
E-6	0	-0.01								
E-7	0	0.00								
E-8S	0	0.05								
E-8M	0	0.06								
E-8D	0	0.00								
E-9	0	0.07								
E-10	0	-0.01								
E-11S	0	0.04								
E-11M	0	0.00								
E-11D	0	0.30								
E-12	0	0.15								
E-13	0	0.00								
E-14S	0	0.07								
E-14M	0	0.04								
E-14D	0	0.15								

COMMENTS:

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GAS PROBE READINGS
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): _____
BAROMETRIC (after): 29.91

BY: R. Johnson DATE: 7/14/92 START TIME: 15:30 FINISH TIME: 16:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	0.08								
W-1M	0	0.15								
W-1D	0	0.27								
W-2A	0	0.05								
W-2B	0	0.07								
W-3S	0	0.07								
W-3M	0	0.15								
W-3D	0	0.30								
W-4	0	0.12								
W-5S	0	0.04								
W-5M	0	0.13								
W-5D	0	0.34								
W-6	0	0.13								
W-7S	0	0.08								
W-7M	0	0.21								
W-7D	0	0.37								
W-8	0	0.06								
W-9A		0.0								
W-9B	0	0.09								
W-10S	0	0.09								
W-10M	0	0.56								
W-10D	0	0.17								
W-11	0	0.04								
W-12S	0	0.03								
W-12M	0	0.11								
W-12D	0	0.59								
W-13	0	0.03								
W-14S	0	0.01								
W-14M	0	0.04								
W-14D	0	0.35								

WMNA - EMD
GAS PROBE ANALYZER CALIBRATION LOG

SITE

MODEL #

SERIAL#

OPERATOR (Initials)	DATE	BATTERY TEST (PASS/FAIL)	LACK TEST (PASS/FAIL)	INTEGRITY CHECK % LEL STD	INTEGRITY CHECK % LEL ACT	INTEGRITY CHECK VOLUME CH_4 IN AIR STD	INTEGRITY CHECK VOLUME CH_4 IN AIR ACT	UNCORRECTED* READING % OXYGEN STD	UNCORRECTED* READING % OXYGEN ACT	UNCORRECTED* READING % LEL STD	UNCORRECTED* READING % LEL ACT	UNCORRECTED* READING VOLUME CH_4 IN AIR STD	UNCORRECTED* READING VOLUME CH_4 IN AIR ACT	CORRECTED READING % OXYGEN STD	CORRECTED READING % OXYGEN ACT	COMMENTS
RJ	7/19/92	Pass	Pass	2.5	2.2	40	45			2.5	2.5	40	40			

* If instrument has autozero capabilities carry out the following:
a. If **fails** autozero, determine uncorrected readings and calibrate.
b. If **passes**, it is not necessary to calibrate. Indicate pass across uncorrected readings.

Valley Reclamation
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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):
BAROMETRIC (after): 29.82

BY: C. Wilson DATE: 7/22 START TIME: 2:45 FINISH TIME: 4:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	0.04								
W-1M	0	0.11								
W-1D	0	0.22								
W-2A	0	0.07								
W-2B	0	0.03								
W-3S	0	0.06								
W-3M	0	0.23								
W-3D	0	0.08								
W-4	0	0.11								
W-5S	0	0.06								
W-5M	0	0.29								
W-5D	0	0.13								
W-6	0	0.13								
W-7S	0	0.17								
W-7M	0	0.05								
W-7D	0	0.29								
W-8	0	0.10								
W-9A	0	+0.07								
W-9B	0	+0.10								
W-10S	0	+0.07								
W-10M	0	+0.16								
W-10D	0	+0.06								
W-11	0	0.14								
W-12S	0	+0.02								
W-12M	0	+0.10								
W-12D	0	+0.12								
W-13	0	+0.04								
W-14S	0	+0.02								
W-14M	0	+0.08								
W-14D	0	+0.33								

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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): 29.82

BY: C Wilson DATE: 7/22 START TIME: 2:45 FINISH TIME: 4:30

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	2	0.00								
E-2D	Ø	0.00								
E-3	Ø	-0.01								
E-4	Ø	+0.08								
E-5S	Ø	+0.01								
E-5M	Ø	0.00								
E-5D	Ø	-0.01								
E-6	Ø	+0.05								
E-7	Ø	+0.05								
E-8S	Ø	+0.03								
E-8M	Ø	+0.00								
E-8D	Ø	+0.00								
E-9										
E-10	Ø	+0.00								
E-11S	Ø	+0.08								
E-11M	Ø	+0.00								
E-11D	Ø	+0.02								
E-12	Ø	+0.06								
E-13	Ø									
E-14S	Ø									
E-14M	Ø									
E-14D	Ø									

COMMENTS:

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BRADLEY LANDFILL
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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): 29.84

BY: R. Johnson DATE: 8/3/92 START TIME: 15:00 FINISH TIME: 16:40

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	0.08								
W-1M	Ø	0.17								
W-1D	Ø	0.30								
W-2A	Ø	0.07								
W-2B	0.1	0.09								
W-3S	Ø	0.10								
W-3M	Ø	0.19								
W-3D	Ø	0.35								
W-4	Ø	0.10								
W-5S	Ø	0.06								
W-5M	Ø	0.17								
W-5D	Ø	0.37								
W-6	Ø	0.14								
W-7S	Ø	0.10								
W-7M	Ø	0.26								
W-7D	0.2	0.43								
W-8	Ø	0.09								
W-9A										
W-9B	0.4	0.16								
W-10S	Ø	0.05								
W-10M	Ø	0.59								
W-10D	Ø	0.15								
W-11	Ø	0.05								
W-12S	Ø	0.02								
W-12M	Ø	0.15								
W-12D	Ø	0.69								
W-13	0.2	0.06								
W-14S	Ø	0.02								
W-14M	Ø	0.08								
W-14D	Ø	0.46								

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Revision 4

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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): _____

BY: R Johnson DATE: 8/3/92 START TIME: 14:45 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0	0.01								
E-2S	0	0.00								
E-2M	0	-0.01								
E-2D	0	0.06								
E-3	0	0.01								
E-4	0	0.00								
E-5S	0	0.01								
E-5M	0	0.07								
E-5D	0	0.00								
E-6	0	0.06								
E-7	0	0.07								
E-8S	0	0.04								
E-8M	0	0.06								
E-8D	0	0.00								
E-9	0	0.08								
E-10	0	-0.01								
E-11S	2.0	0.03								
E-11M	0	0.14								
E-11D	0	0.06								
E-12	0	0.12								
E-13	0	0.00								
E-14S	0	0.08								
E-14M	0	0.05								
E-14D	0	0.12								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

UIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

BAROMETRIC (before):
BAROMETRIC (after): 29.91

BY: R. Johnson DATE 8/13/92 START TIME: 14:45 FINISH TIME: 15:40

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	Ø								
E-2S	-0.01	Ø								
E-2M	-0.01	Ø								
E-2D	-0.06	Ø								
E-3	-0.01	Ø								
E-4	0.02	Ø								
E-5S	0.00	Ø								
E-5M	0.02	Ø								
E-5D	0.01	Ø								
E-6	-0.01	Ø								
E-7	-0.02	0								
E-8S	-0.02	Ø								
E-8M	-0.05	Ø								
E-8D	0.00	Ø								
E-9	-0.01	Ø								
E-10	0.01	Ø								
E-11S	0.03	4.0								
E-11M	0.02	Ø								
E-11D	0.04	Ø								
E-12	0.02	Ø								
E-13	-0.01	Ø								
E-14S	0.12	Ø								
E-14M	0.10	Ø								
E-14D	0.12	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: C. Wilson DATE 8/13/92 START TIME: 3.05 FINISH TIME: 4:08

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	~~+0.13~~ +0.08	0								
W-1M	~~+0.18~~ +0.07	0								
W-1D	~~+0.08~~ +0.04	0								
W-2A	+0.05	0								
W-2B	+0.03	0								
W-3S	+0.11	0								
W-3M	+0.06	0								
W-3D	+0.02	0								
W-4	+0.03	0								
W-5S	+0.07	0								
W-5M	+0.04	0								
W-5D	+0.06	0								
W-6	+0.05	0								
W-7S	-0.01	0								
W-7M	+0.00	0								
W-7D	+0.03	0								
W-8	+0.01	0								
W-9A	0.07	0								
W-9B	0.02	0								
W-10S	+0.13	0								
W-10M	+0.18	0								
W-10D	+0.09	0								
W-11	+0.31	0								
W-12S	+0.01	0								
W-12M	+0.02	0								
W-12D	+0.06	0								
W-13	+0.05	~~0~~ 0.2								
W-14S	+0.28	~~0~~								
W-14M	+0.01	0								
W-14D	+0.00	0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
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B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.80

BY: 9/19 DATE CW START TIME: 2:45 FINISH TIME: 4:00

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+0.08	Ø								
W-1M	+0.02	Ø								
W-1D	+0.01	Ø								
W-2A	+0.03	Ø								
W-2B	+0.08	Ø								
W-3S	+0.00	Ø								
W-3M	+0.00	Ø								
W-3D	+0.24	Ø								
W-4	+0.00	Ø								
W-5S	+0.10	Ø								
W-5M	+0.13	Ø								
W-5D	+0.01	Ø								
W-6	+0.03	Ø								
W-7S	+0.00	Ø								
W-7M	+0.00	Ø								
W-7D	0.02	Ø								
W-8	+0.08	Ø								
W-9A	+0.02	Ø								
W-9B	+0.12	Ø								
W-10S	+0.17	Ø								
W-10M	+0.08	Ø								
W-10D	+0.36	Ø								
W-11	+0.18	Ø								
W-12S	+0.03	Ø								
W-12M	+0.09	Ø								
W-12D	+0.42	Ø								
W-13	+0.02	Ø								
W-14S	+0.06	Ø								
W-14M	+0.08	Ø								
W-14D	+0.03	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

UIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

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

BY: R. Johnson DATE 8/26/92 START TIME: 15:15 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	-0.01	Ø								
E-2S	-0.01	Ø								
E-2M	0.01	Ø								
E-2D	0.09	Ø								
E-3	0.00	Ø								
E-4	0.00	Ø								
E-5S	0.02	Ø								
E-5M	0.10	Ø								
E-5D	0.01	Ø								
E-6	0.06	Ø								
E-7	0.09	Ø								
E-8S	0.02	Ø								
E-8M	0.06	Ø								
E-8D	0.01	Ø								
E-9	0.06	Ø								
E-10	0.05	Ø								
E-11S	0.05	Ø								
E-11M	0.00	Ø								
E-11D	0.30	Ø								
E-12	0.08	Ø								
E-13	0.05	Ø								
E-14S	0.05	Ø								
E-14M	0.05	Ø								
E-14D	0.22	Ø								

COMMENTS:

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.94

BY: CW DATE 9/3/92 START TIME: 14:00 FINISH TIME: ~~16:00~~ 16:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	+0.02	Ø								
E-2S	+0.07	Ø								
E-2M	+0.01	Ø								
E-2D	+0.09	Ø								
E-3	-0.04	Ø								
E-4	-0.01	Ø								
E-5S	+0.04	Ø								
E-5M	+0.12	Ø								
E-5D	+0.00	Ø								
E-6	+0.08	Ø								
E-7	+0.01	Ø								
E-8S	+0.00	Ø								
E-8M	+0.24	Ø								
E-8D	+0.00	Ø								
E-9	Measurement not taken due to heavy lid.									
E-10	+0.13	Ø								
E-11S	+0.09	Ø								
E-11M	+0.34	Ø								
E-11D	+0.07	Ø								
E-12	+0.04	Ø								
E-13	+0.19	Ø								
E-14S	+0.00	Ø								
E-14M	+0.02	Ø								
E-14D	+0.01	Ø								

COMMENTS:

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

Get locks

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.94
BAROMETRIC (after): 29.94

BY: BW DATE 9/3/92 START TIME: 10:00 FINISH TIME: ~~16:30~~ 16:30

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+0.05	0								
W-1M	+0.27	0								
W-1D	+0.13	0								
W-2A	+0.11	0								
W-2B	+0.05	0								
W-3S	+0.03	0								
W-3M	+0.01	0								
W-3D	+0.00	0								
W-4	+0.08	0								
W-5S	+0.29	0								
W-5M	+0.12	0								
W-5D	+0.03	0								
W-6	+0.02	0								
W-7S	+0.19	0								
W-7M	+0.07	0								
W-7D	+0.34	0								
W-8	+0.13	0								
W-9A	+0.12	0								
W-9B	+0.03	0								
W-10S	-0.08	0								
W-10M	0.00	0								
W-10D	+0.01	0								
W-11	+0.43	0								
W-12S	+0.14	0								
W-12M	+0.26	0								
W-12D	+0.07	0								
W-13	-0.00	0								
W-14S	+0.11	0								
W-14M	+0.49	0								
W-14D	+0.13	0								

COMMENTS:

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.85
BAROMETRIC (after): 29.85

BY: CW DATE 9/11/92 START TIME: 2:30 FINISH TIME: 4:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	+0.08	0								
E-2S	+0.03	0								
E-2M	+0.17	0								
E-2D	+0.00	0								
E-3	+0.02	0								
E-4	+0.00	0								
E-5S	+0.08	0								
E-5M	+0.20	0								
E-5D	+0.00	0								
E-6	+0.04	0								
E-7	+0.00	0								
E-8S	+0.11	0								
E-8M	+0.01	0								
E-8D	+0.00	0								
E-9	+0.07	0								
E-10	+0.03	0								
E-11S	+0.00	0								
E-11M	+0.04	0								
E-11D	+0.17	0								
E-12	+0.04	0								
E-13	+0.02	0								
E-14S	+0.00	0								
E-14M	+0.04	0								
E-14D	+0.18	0								

COMMENTS:

Total Sulfurs through C_1 & C_3 & H_2S

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.85
BAROMETRIC (after): 29.85

BY: dw DATE 9/11/92 START TIME: 2:30 FINISH TIME: 4:30

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+0.02	Ø								
W-1M	+0.01	Ø								
W-1D	+0.04	Ø								
W-2A	+0.03	Ø								
W-2B	+0.22	Ø								
W-3S	+0.07	Ø								
W-3M	+0.03	Ø								
W-3D	+0.01	Ø								
W-4	+0.00	Ø								
W-5S	+0.00	Ø								
W-5M	+0.08	Ø								
W-5D	+0.00	Ø								
W-6	+0.00	Ø								
W-7S	+0.01	Ø								
W-7M	+0.03	Ø								
W-7D	+0.05	Ø								
W-8	+0.02	Ø								
W-9A	+0.10	Ø								
W-9B	+0.08	Ø								
W-10S	+0.15	Ø								
W-10M	+0.35	Ø								
W-10D	+0.07	Ø								
W-11	+0.22	Ø								
W-12S	+0.10	Ø								
W-12M	+0.42	Ø								
W-12D	+0.13	Ø								
W-13	+0.08	Ø								
W-14S	+0.01	Ø								
W-14M	+0.67	Ø								
W-14D	+0.13	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.89

9/6/92 Please note corrections

BY: CW DATE 9/15/92 START TIME: 1:00 FINISH TIME: 3:00

PROBE	CH4% ~~PRESS~~	Pressure ~~CH4%~~	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.09								
W-1M	Ø	+0.00								
W-1D	Ø	+0.01								
W-2A	Ø	+0.9								
W-2B	Ø	+0.18								
W-3S	Ø	+0.29								
W-3M	Ø	+0.04								
W-3D	Ø	+0.08								
W-4	Ø	+0.07								
W-5S	Ø	+0.07								
W-5M	Ø	+0.02								
W-5D	Ø	+0.23								
W-6	Ø	+0.14								
W-7S	Ø	+0.01								
W-7M	Ø	+0.01								
W-7D	Ø	0.01								
W-8	Ø	0.18								
W-9A	Ø	+0.00								
W-9B	Ø	+0.00								
W-10S	Ø	+0.18								
W-10M	Ø	+0.07								
W-10D	Ø	+0.02								
W-11	Ø	+0.13								
W-12S	Ø	+0.02								
W-12M	Ø	+0.06								
W-12D	Ø	+0.27								
W-13	Ø	+0.09								
W-14S	Ø	+0.03								
W-14M	Ø	+0.18								
W-14D	Ø	+0.46								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.84

9/16/92 Please note corrections

BY: CW DATE 9/15/92 START TIME: 1:00 FINISH TIME: 3:00

PROBE	CH4 % ~~PRESS~~	Pressure ~~CH4%~~	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.5	+0.02								
E-2S	Ø	+0.03								
E-2M	Ø	+0.06								
E-2D	Ø	+0.07								
E-3	Ø	+0.03								
E-4	Ø	+0.02								
E-5S	Ø	+0.19								
E-5M	Ø	+0.00								
E-5D	Ø	+0.04								
-6	Ø	-0.01								
-7	Ø	+0.03								
E-8S	Ø	+0.02								
E-8M	Ø	+0.04								
E-8D	Ø	+0.02								
E-9	Ø	+0.03								
E-10	Ø	+0.09								
E-11S	Ø	+0.44								
E-11M	Ø	+0.10								
E-11D	Ø	+0.04								
E-12	Ø	-0.00								
E-13	Ø	+0.04								
E-14S	Ø	+0.02								
E-14M	Ø	+0.04								
E-14D	Ø	+0.04								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

UIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

BAROMETRIC (before):
BAROMETRIC (after): 29.80

BY: CW DATE 8/19/92 START TIME: 1:00 FINISH TIME: 2:45

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	+0.01	Ø								
E-2S	+0.01	Ø								
E-2M	+0.18	Ø								
E-2D	+0.05	Ø								
E-3	+0.02	Ø								
E-4	+0.01	Ø								
E-5S	+0.04	Ø								
E-5M	+0.16	Ø								
E-5D	+0.03	Ø								
6	+0.09	Ø								
7	+0.09	Ø								
E-8S	+0.10	Ø								
E-8M	+0.05	Ø								
E-8D	+0.13	Ø								
E-9	+0.01	Ø								
E-10	+0.07	Ø								
E-11S	+0.09	Ø								
E-11M	+0.10	Ø								
E-11D	+0.27	Ø								
E-12	+0.11	Ø								
E-13	+0.00	Ø								
E-14S	+0.06	Ø								
E-14M	+0.02	Ø								
E-14D	+0.03	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R. Johnson DATE 8/26/92 START TIME: 16:20 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
* W-1S										
* W-1M										
* W-1D										
W-2A	0.04	Ø								
* W-2B										
W-3S	0.05	Ø								
W-3M	0.11	Ø								
W-3D	0.22	Ø								
W-4	0.06	Ø								
W-5S	0.03	Ø								
W-5M	0.08	Ø								
W-5D	0.15	Ø								
W-6	0.08	Ø								
W-7S	0.05	Ø								
W-7M	0.09	Ø								
W-7D	0.20	Ø								
W-8	0.02	Ø								
W-9A	0.05	Ø								
W-9B	0.09	Ø								
W-10S	0.01	Ø								
W-10M	0.31	Ø								
W-10D	0.08	Ø								
W-11	0.05	Ø								
W-12S	0.03	Ø								
W-12M	0.08	Ø								
W-12D	0.35	Ø								
W-13	0.04	0.5								
W-14S	0.02	Ø								
W-14M	0.05	Ø								
W-14D	0.23	Ø								

COMMENTS: * Damaged

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

UIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

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

BY: R. Johnson DATE 8/26/92 START TIME: 15:15 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	-0.01	Ø								
E-2S	-0.01	Ø								
E-2M	0.01	Ø								
E-2D	0.09	Ø								
E-3	0.00	Ø								
E-4	0.00	Ø								
E-5S	0.02	Ø								
E-5M	0.10	Ø								
E-5D	0.01	Ø								
E-6	0.06	Ø								
E-7	0.09	Ø								
E-8S	0.02	Ø								
E-8M	0.06	Ø								
E-8D	0.01	Ø								
E-9	0.06	Ø								
E-10	0.05	Ø								
E-11S	0.05	Ø								
E-11M	0.00	Ø								
E-11D	0.30	Ø								
E-12	0.08	Ø								
E-13	0.05	Ø								
E-14S	0.05	Ø								
E-14M	0.05	Ø								
E-14D	0.22	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

QUIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

BAROMETRIC (before): 29.94
BAROMETRIC (after): ~~29.94~~ 29.87

BY: CW DATE 9/22/92 START TIME: 12:45 FINISH TIME: 3:00

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	+0.01	Ø								
E-2S	000	Ø								
E-2M	+0.03	Ø								
E-2D	+0.08	Ø								
E-3	+0.00	Ø								
E-4	+0.02	Ø								
E-5S	+0.03	Ø								
E-5M	0.00	Ø								
E-5D	0.00	Ø								
6	+0.06	Ø								
7	+0.01	Ø								
E-8S	-0.02	Ø								
E-8M	+0.01	Ø								
E-8D	+0.12	Ø								
E-9	+0.01	Ø								
E-10	+0.09	Ø								
E-11S	0.00	Ø								
E-11M	+0.18	Ø								
E-11D	+0.02	Ø								
E-12	+0.03	Ø								
E-13	+0.08	Ø								
E-14S	0.00	Ø								
E-14M	+ 0.01	Ø								
E-14D	+0.02	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.94
BAROMETRIC (after): ~~29.44~~ 29.87

BY: CW DATE 9/22/92 START TIME: 12:45 FINISH TIME: 3:00

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	-0.02	Ø								
W-1M	+0.08	Ø								
W-1D	0.00	Ø								
W-2A	0.00	Ø								
W-2B	0.00	Ø								
W-3S	+0.01	Ø								
W-3M	+0.02	Ø								
W-3D	+0.02	Ø								
W-4	-0.01	Ø								
W-5S	+0.16	Ø								
W-5M	+0.00	Ø								
W-5D	+0.03	Ø								
W-6	+0.01	Ø								
W-7S	-0.02	Ø								
W-7M	0.00	Ø								
W-7D	+0.00	Ø								
W-8	+0.00	Ø								
W-9A	+0.00	Ø								
W-9B	0.00	Ø								
W-10S	+0.10	Ø								
W-10M	+0.18	Ø								
W-10D	+0.23	Ø								
W-11	0.14	Ø								
W-12S	+0.08	Ø								
W-12M	+0.02	Ø								
W-12D	+0.31	Ø								
W-13	+0.02	Ø								
W-14S	+0.13	Ø								
W-14M	+0.04	Ø								
W-14D	+0.02	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 10/1/92 START TIME: 13:30 FINISH TIME: 14:35

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.01	0								
E-2S	0.00	0.3								
E-2M	0.04	0								
E-2D	0.18	0								
E-3	0.01	0								
E-4	0.00	0								
E-5S	0.00	0								
E-5M	0.16	0.2								
E-5D	0.02	0								
E-6	0.12	0.2								
E-7	0.12	0.2								
E-8S	0.09	0								
E-8M	0.20	0.1								
E-8D	0.03	0.2								
E-9	0.10	0								
E-10	0.09	0								
E-11S	0.1	22.0	34	108°	+.06	11	.37	23.7	41.9	ΔP 1.5
E-11M	0.25	0.1	37					OPENED @		ΔP .5
E-11D	0.37	0.1								
E-12	0.20	0								
* E-13										
E-14S	0.13	0								
E-14M	0.10	0								
E-14D	0.34	0								

COMMENTS: * Quick Connect Broken

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.8

BY: R. Johnson DATE 10/1/92 START TIME: 14:35 FINISH TIME: 15:50

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.09	0								
W-1M	0.21	0								
W-1D	0.41	0								
W-2A	0.08	0								
W-2B	0.20	0								
W-3S	0.11	0								
W-3M	0.29	0								
W-3D	0.48	0								
W-4	0.14	0								
W-5S	0.09	0								
W-5M	0.23	0								
W-5D	0.49	0								
W-6	0.20	0								
W-7S	0.09	0								
W-7M	0.29	0.2								
W-7D	0.53	0.3								
W-8	0.09	0								
W-9A	0.08	0								
W-9B	0.18	0								
W-10S	0.07	0								
W-10M	0.71	12.0								
W-10D	0.22	0								
W-11	0.08	0								
W-12S	0.04	0								
W-12M	0.21	0								
W-12D	0.82	0								
W-13	0.11	0.2								
W-14S	0.04	0								
W-14M	0.15	0								
W-14D	0.61	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.91
BAROMETRIC (after): _____

BY: R. Johnson DATE 10/7/92 START TIME: _____ FINISH TIME: _____

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.08	0								
W-1M	0.15	0								
W-1D	0.27	0								
W-2A	0.02	0								
W-2B	0.16	0								
W-3S	0.08	0								
W-3M	0.17	0								
W-3D	0.33	0								
W-4	0.17	0								
W-5S	0.6	0								
W-5M	0.15	0								
W-5D	0.27	0								
W-6	0.16	0								
W-7S	0.09	0								
W-7M	0.20	0.1								
W-7D	0.29	0								
W-8	0.17	0								
W-9A	0.04	0								
W-9B	0.12	0								
W-10S	0.04	0								
W-10M	0.39	0								
W-10D	0.10	0								
W-11	0.02	0								
W-12S	0.00	0								
W-12M	0.05	0								
W-12D	0.36	0								
W-13	0.02	0.3								
W-14S	0.00	0								
W-14M	0.02	0								
W-14D	0.24	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R. Johnson DATE 10/7/92 START TIME: 14:15 FINISH TIME: 15:10

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.01	Ø								
E-2S	0.01	Ø								
E-2M	0.00	Ø								
E-2D	0.17	Ø								
E-3	0.01	Ø								
E-4	0.00	Ø								
E-5S	0.00	Ø								
E-5M	0.10	Ø								
E-5D	0.01	Ø								
E-6	0.08	Ø								
E-7	0.07	Ø								
E-8S	0.06	Ø								
E-8M	0.11	Ø								
E-8D	0.01	Ø								
E-9	0.09	Ø								
E-10	0.05	Ø								
E-11S	0.07	9.0								
E-11M	0.08	Ø								
E-11D	0.26	Ø								
E-12	0.10	Ø								
⊗ E-13										
E-14S	0.06	Ø								
E-14M	0.05	Ø								
E-14D	0.18	Ø								

COMMENTS: ⊗ Damaged - Quick connect broken

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughinane
F. KIESLER
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal

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

BAROMETRIC (before): 30.05
BAROMETRIC (after): 30.02

EMD Techs

BY: D. Hansen DATE: 10/15/91 START TIME: 1440 FINISH TIME: 1550

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.0								
E-2S	Ø	0.0								
E-2M	Ø	+.01								
E-2D	Ø	+.10								
E-3	Ø	+.01								
E-4	Ø	+.02								
E-5S	Ø	+.01								
E-5M	Ø	[illegible]								
E-5D	Ø	[illegible]								
E-6	[illegible]	[illegible]								
E-7	[illegible]	[illegible]								
E-8S	[illegible]	[illegible]								
E-8M	Ø	+.05								
E-8D	[illegible]	[illegible]								
E-9	Ø	+.02								
E-10	Ø	+.02								
E-11S	Ø	+.02								
E-11M	Ø	+.03								
E-11D	Ø	+.20								
E-12	Ø	+.01								
* E-13										
E-14S	Ø	0.0								
E-14M	Ø	0.0								
E-14D	Ø	[illegible]								

COMMENTS: * Replaced broken quick connect

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): 29.99
BAROMETRIC (after): _____

BY: D. Hanson DATE: 10/23/98 START TIME: 1440 FINISH TIME: 1604

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+.10								
W-1M	Ø	+.24								
W-1D	Ø	+.57								
W-2A	Ø	+.12								
[illegible]	[illegible]	[illegible]								
W-3S	[illegible]	[illegible]								
W-3M	Ø	+.30								
W-3D	Ø	+.61								
W-4	Ø	+.14								
W-5S	Ø	+.07								
W-5M	Ø	+.16								
W-5D	Ø	+.54								
W-6	Ø	+.07								
W-7S	Ø	+.01								
W-7M	Ø	+.06								
W-7D	Ø	+.37								
W-8	Ø	+.07								
W-9A	Ø	+.64								
W-9B	Ø	0.0								
W-10S	Ø	+.05								
W-10M	29	+.43		Placed well 11.94 on line DP 4'						
W-10D	Ø	+.14								
W-11										
W-12S										
W-12M										
W-12D										
W-13										
W-14S										
W-14M										
W-14D										

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

BY: D. Henderson DATE: 8/2/92 START TIME: 1320 FINISH TIME: 1423

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	H2%	CH4%	WELL ADJ
E-1	Ø	0.0								
E-2S	Ø	+.02								
E-2M	Ø	[illegible]								
[illegible]	[illegible]	[illegible]								
[illegible]	[illegible]	[illegible]								
[illegible]	Ø	[illegible]								
E-5S	Ø	-.01								
E-5M	[illegible]	[illegible]								
E-5D	[illegible]	[illegible]								
E-6	Ø	+.07								
E-7	Ø	+.09								
E-8S	Ø	+.05								
E-8M	Ø	+.13								
E-8D	[illegible]	[illegible]								
E-9	Ø	+.09								
E-10	Ø	+.09								
E-11S	Ø	+.11								
E-11M	Ø	+.14								
E-11D	Ø	+.79								
E-12	Ø	+.20								
E-13	Ø	+.01								
E-14S	Ø	+.15								
E-14M	Ø	[illegible]								
E-14D	[illegible]	[illegible]								

COMMENTS

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

QUIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: R. Johnson DATE 10/29/92 START TIME: 14:20 FINISH TIME: 15:30

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

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: R. Johnson DATE 10/29/92 START TIME: 15:30 FINISH TIME: 16:22

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	-0.02	0								
W-1M	-0.06	0								
W-1D	-0.06	0								
W-2A	-0.02	0								
W-2B	-0.04	0								
W-3S	-0.03	0								
W-3M	-0.02	0								
W-3D	-0.03	0								
W-4	-0.04	0								
W-5S	+0.03	0								
W-5M	+0.01	0								
W-5D	-0.07	0								
W-6	+0.04	0								
W-7S	0.00	0								
W-7M	-0.03	0								
W-7D	-0.06	0								
W-8	0.00	0								
W-9A	+0.02	0								
W-9B	+0.02	0								
W-10S	+0.03	0								
W-10M	+0.06	0								
W-10D	+0.04	0								
W-11	0.00	0								
W-12S	0.00	0								
W-12M	+0.02	0								
W-12D	+0.03	0								
W-13	+0.02	0.2								
W-14S	0.00	0								
W-14M	0.00	0								
W-14D	+0.03	0								

MMENTS:

2166-05419

AIR EMISSIONS MONITORING REPORT

FOURTH QUARTER 1992

FILE COPY

Valley Reclamation Company
Bradley Landfill & Recycling Center
9081Tujunqa Avenue, 2nd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

2166-05419

January 10, 1993

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

Subject: SCAQMD Rule 1150.1 Fourth Quarter 1992 Monitoring Report
Bradley Landfill

Dear Mr. Tramma:

Attached is Valley Reclamation Company's (VRC's) Fourth 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,

Riel Johnson
Environmental Technician

RJ/rg

Attachments

cc: Mike Mckee
Deanna Nichols, w/o attachments

LANDFILL AIR EMISSIONS MONITORING

REPORT

BRADLEY LANDFILL AND RECYCLING CENTER

FOURTH QUARTER 1992

FEBRUARY 1992

Prepared for:

Valley Reclamation Company
9081 Tujunga Ave.
Sun Valley, California 91352

Prepared by:

Valley Reclamation Company
9081 Tujunga Ave.
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 fourth quarter of 1992 (October, November and December 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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D. FIELD AND CALIBRATION DATA LOGS

E. LABORATORY RESULTS AND QA/QC SUMMARY

F. PERIMETER PROBE SITE MAP AND WEEKLY PROBE RESULTS

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

This report presents the results of landfill air emissions monitoring performed at Bradley Landfill and Recycling Center during the fourth quarter of 1992 (October, November, and December 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 portion of the Los Angeles metropolitan area. The landfill is owned and operated by Valley Reclamation Company (VRC) and was formerly utilized as a sand and gravel pit 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 the vicinity of Sump 6, at Bradley West Extension.

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 (PLES). 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. All sampling was performed, 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, presented in Appendix A, show the instanteous surface sweep locations.

Any detections of total organic compounds in excess of 500 parts per million (ppm) are marked on the grid site map (Appendix A) giving location and concentration. Any total organic compound 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 are positioned up and downwind of the site. 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. During each month, 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 the onsite meteorological station; this data is summarized in Appendix B. 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 between 10:00 a.m. and 11:00 a.m. the following day. The less-than-24-hour samplers were programmed to sample during the peak air 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 fourth 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., 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 maximum and average wind speed (in Appendix B). The wind speed data for the month of November was lost due to a programing error. 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 gas 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 meter 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. A dedicated pump was used to direct the gas 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 October, November, and December 1992. Grid maps showing the landfill areas surveyed and locations of notable emissions (i.e., greater than 500 ppm total organic compounds as methane) are included in Appendix A. There were no detections of total organic compounds as methane above 500 ppm.

3.2 INTEGRATED SURFACE SAMPLING

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

October	18 ISS grids
November	9 ISS grids
December	10 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 in 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. Duplicate (co-located) samples were obtained at the downwind, less-than-24-hour sample location (the point of maximum expected contaminant concentrations). Table 4 summarizes the co-located 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. No significant differences were noted in organic concentrations between the original and co-located samples. Analytical results are presented in Appendix E.

3.4 INTERNAL LANDFILL GAS SAMPLING

Sample results for the internal landfill gas samples collected in October, November, and December 1992 are summarized in Table 5. The complete laboratory results are 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 in Appendix F. One perimeter probe gas sample was collected and 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 %
October	E-11S	9
November	W-10M	<1.0
December	W-10M	31

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 outlined 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 co-located ambient air samples (see Section 3.3).

- Regular service checks and calibration of all field equipment.

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

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.

TABLE 1

INTEGRATED SURFACE SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	October VR165 Grid #12	October VR209 Grid #2	November VR213 Grid #8	November VR154 Grid #10	December VR154 Grid #10	December VR213 Grid #8
Total methane	1.0ppm	10.1 ppm	6.71 ppm	4.46 ppm	3.26 ppm	3.26 ppm	4.46 ppm
TGNMO	1.0ppm	2.29 ppm	3.82 ppm	1.28 ppm	1.99 ppm	1.99 ppm	1.28 ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	2.23	4.32	1.95	2.42	2.42	1.95
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	0.96	1.32	0.86	3.76	3.76	0.86
Perchloroethene	0.1	0.40	0.70	0.24	0.96	0.96	0.24
Carbon Tetrachloride	0.06	0.10	0.10	0.097	0.092	0.092	0.097
Toluene	0.1	4.98	10.1	3.64	5.65	5.65	3.64
1,1,1–Trichloroethane	0.06	3.46	9.62	7.36	10.8	10.8	7.36
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	1.74	3.44	0.90	1.85	1.85	0.90
o–Xylenes	0.2	0.85	1.41	0.79	0.76	0.76	0.79

NOTES
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	October Upwind VR220	October Downwind VR224	November Upwind VR229	November Downwind VR228	December Upwind VR231	December Downwind VR233
Total methane	1.0ppm	21.2ppm	2.68 ppm	20.1ppm	1.94 ppm	6.18ppm	2.72ppm
TGNMO	1.0ppm	1.44ppm	2.50 ppm	<1.0ppm	<1.0ppm	1.17ppm	<1.0ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	4.04	3.57	1.36	1.29	1.68	1.57
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	0.83	0.63	0.41	0.91	2.52	0.87
Perchloroethene	0.1	0.36	0.22	0.19	0.18	0.28	0.51
Carbon Tetrachloride	0.06	0.12	0.12	0.11	0.12	0.11	0.12
Toluene	0.1	9.74	6.48	3.53	4.12	4.22	4.52
1,1,1–Trichloroethane	0.06	1.95	1.70	1.72	3.56	10.3	3.58
Trichloroethene	0.06	0.18	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	2.85	2.51	1.17	1.20	1.26	1.39
o–Xylenes	0.2	6.49	2.57	1.82	1.16	1.62	2.03

NOTES
ND = not detected

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

Compounds	Detection limits	October Upwind VR223	October Downwind VR221	November Upwind VR225	November Downwind VR226	December Upwind VR234	December Downwind VR230
Total methane	1.0ppm	2.73ppm	38.8 ppm	1.71ppm	13.0ppm	1.65ppm	15.2ppm
TGNMO	1.0ppm	2.95ppm	2.89 ppm	<1.0ppm	<1.0ppm	<1.0ppm	1.07ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	4.33	4.62	0.64	0.52	0.58	0.49
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	0.72	0.58	ND	0.35	0.23	0.27
Perchloroethene	0.1	0.19	0.18	0.10	ND	ND	ND
Carbon Tetrachloride	0.06	0.10	0.11	0.11	0.11	0.11	0.11
Toluene	0.1	8.47	9.11	2.44	1.38	2.85	1.46
1,1,1–Trichloroethane	0.06	1.37	1.45	0.63	1.43	0.52	0.80
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	3.81	4.27	0.68	0.33	0.46	0.52
o–Xylenes	0.2	3.21	3.32	0.93	0.77	3.16	0.82

NOTES
ND = not detected

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

Compounds	Detection limits	October Co–located VR227	October Downwind VR221	November Co–located VR227	November Downwind VR226	December Co–located VR232	December Downwind VR230
Total methane	1.0ppm	4.88ppm	38.8 ppm	4.88ppm	13.0ppm	4.10ppm	15.2ppm
TGNMO	1.0ppm	<1.0ppm	2.89 ppm	<1.0ppm	<1.0ppm	<1.0ppm	1.07ppm
				ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	0.47	4.62	0.47	0.52	0.44	0.49
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	0.34	0.58	0.34	0.35	0.29	0.27
Perchloroethene	0.1	ND	0.18	ND	ND	ND	ND
Carbon Tetrachloride	0.06	0.12	0.11	0.12	0.11	0.11	0.11
Toluene	0.1	1.26	9.11	1.26	1.38	1.32	1.46
1,1,1–Trichloroethane	0.06	1.48	1.45	1.48	1.43	0.82	0.80
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	0.29	4.27	0.29	0.33	0.48	0.52
o–Xylenes	0.2	0.53	3.32	0.53	0.77	0.77	0.82

NOTES:
ND = not Detected

TABLE 5

Internal Gas Samples – Analytical Results

Component	Detection limits	October VR155	November VR162	December VR179
	(ppm V/V)			
Hydrogen Sulfide	1.0	44.5	44.9	44.8
TGNMO in ppm	0.5	4530	6370	4040
	(percentage V/V)			
Methane	0.2%	42.5	38.8	43.2
Carbon Dioxide	0.2%	39.0	35.4	41.1
Oxygen	0.2%	1.31	3.30	0.73
Nitrogen	0.2%	17.3	23.0	15.4
	(ppb V/V)			
Acetonitrile	5.0	228	228	284
Benzene	50	2530	2320	2680
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	1050	954	903
Dichlorobenzene	100	1330	1050	1030
1,1–Dichloroethane	100	4360	4250	5780
1,2–Dichloroethane	20	384	333	444
1,1–Dichloroethene	30	494	487	502
Dichloromethane	15	9760	6610	11200
Perchloroethene	2	11200	10600	10200
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	80600	71900	78200
1,1,1–Trichloroethane	5	95.0	95.3	371
Trichloroethene	4	5180	4720	4860
Chloroform	2	ND	ND	10.8
Vinyl Chloride	20	3640	3170	4040
m+p–Xylenes	100	31400	30100	27700
o–Xylenes	60	10400	12800	9500

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

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).
5 TO 7 OF 16

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

APPENDIX B

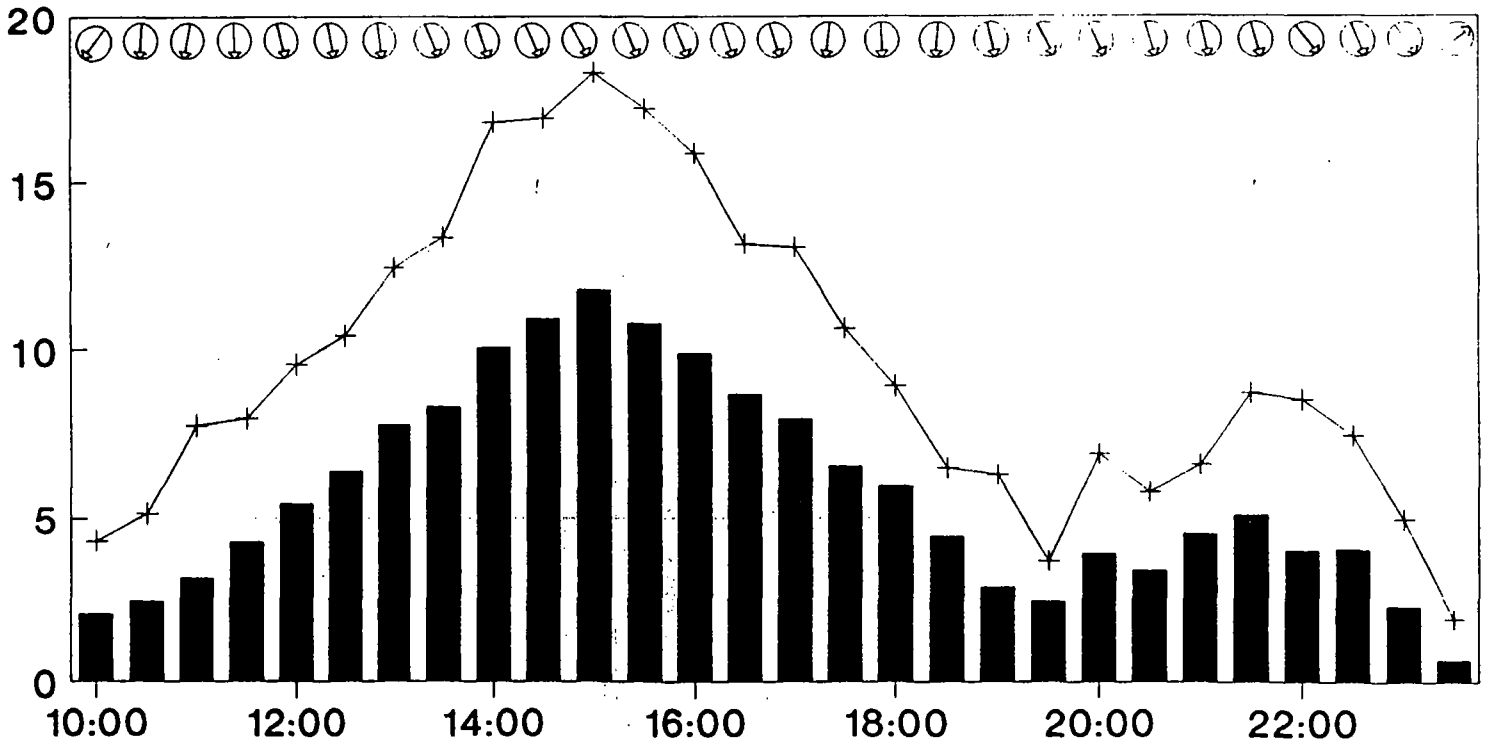
METEOROLOGICAL DATA

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
OCTOBER 11, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
1000	2.067	4.311	215.2
1030	2.452	5.152	183.7
1100	3.152	7.780	191.9
1130	4.285	7.990	180.3
1200	5.439	9.570	165.9
1230	6.421	10.410	170.0
1300	7.790	12.410	172.0
1330	8.330	13.350	158.0
1400	10.070	16.820	160.6
1430	10.900	16.930	156.1
1500	11.770	18.290	151.7
1530	10.770	17.240	157.2
1600	9.890	15.880	156.9
1630	8.700	13.140	163.0
1700	7.970	13.040	164.5
1730	6.578	10.620	187.1
1800	5.993	8.940	179.6
1830	4.455	6.519	184.2
1900	2.883	6.308	167.1
1930	2.454	3.680	150.8
2000	3.928	6.939	154.1
2030	3.396	5.783	161.9
2100	4.530	6.624	166.6
2130	5.084	8.730	162.4
2200	4.003	8.520	142.2
2230	4.045	7.460	156.0
2300	2.294	4.942	143.3
2330	0.649	1.893	50.2

Ambient Air Wind Data

October 11, 1992



Average Wind Speed — Maximum Wind Speed

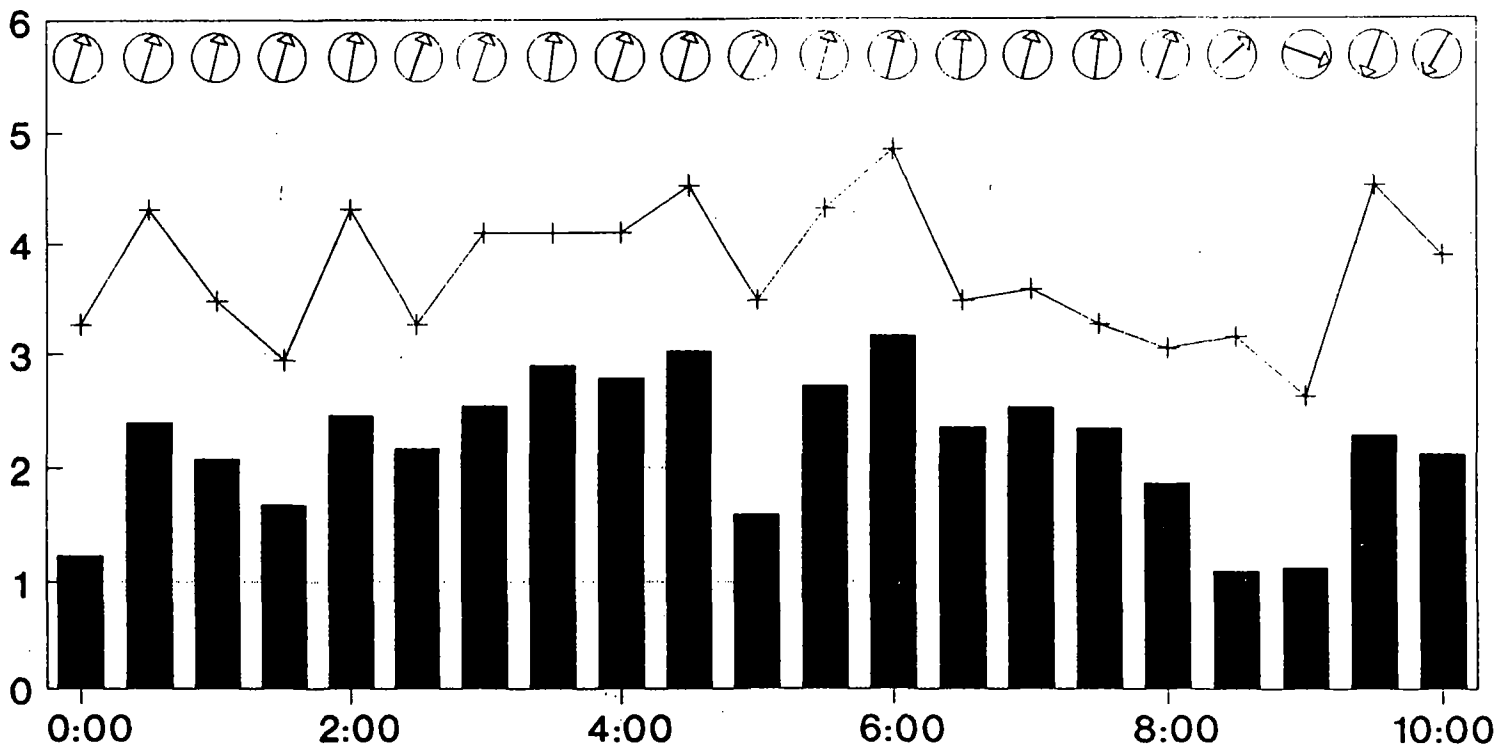
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
OCTOBER 12, 1992

Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
0	1.237	3.259	16.6
30	2.394	4.311	17.5
100	2.079	3.470	12.7
130	1.680	2.944	16.4
200	2.461	4.311	10.4
230	2.169	3.259	18.8
300	2.546	4.100	18.6
330	2.899	4.100	6.6
400	2.783	4.100	17.4
430	3.024	4.521	15.0
500	1.595	3.470	28.8
530	2.719	4.311	14.9
600	3.164	4.836	13.9
630	2.358	3.470	4.5
700	2.534	3.575	15.4
730	2.344	3.259	6.9
800	1.871	3.049	19.8
830	1.099	3.154	47.5
900	1.128	2.628	109.8
930	2.287	4.521	200.4
1000	2.122	3.890	209.7

Ambient Air Wind Data
October 12, 1992



Average Wind Speed — Maximum Wind Speed

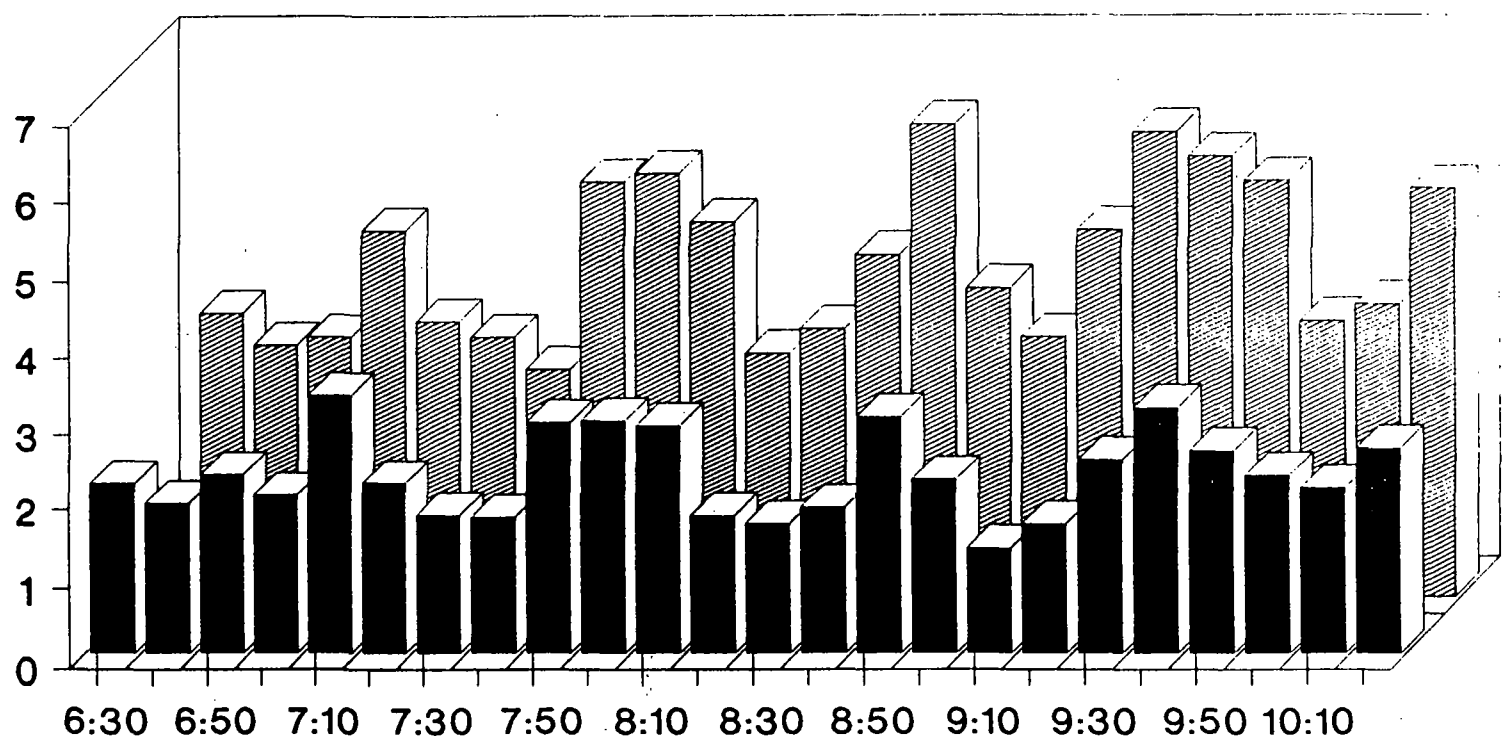
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
OCTOBER 27, 1992

Time	Average Wind Speed	Maximum Wind Speed
630	2.153	0
640	1.884	3.68
650	2.269	3.259
700	1.994	3.364
710	3.311	4.731
720	2.156	3.575
730	1.724	3.364
740	1.703	2.944
750	2.96	5.362
800	2.983	5.467
810	2.919	4.836
820	1.722	3.154
830	1.619	3.47
840	1.834	4.416
850	3.037	6.098
900	2.214	3.995
910	1.303	3.364
920	1.619	4.731
930	2.481	5.993
940	3.154	5.678
950	2.592	5.362
1000	2.275	3.575
1010	2.103	3.785
1020	2.625	5.257

INTEGRATED SURFACE SAMPLING
October 27,1992



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

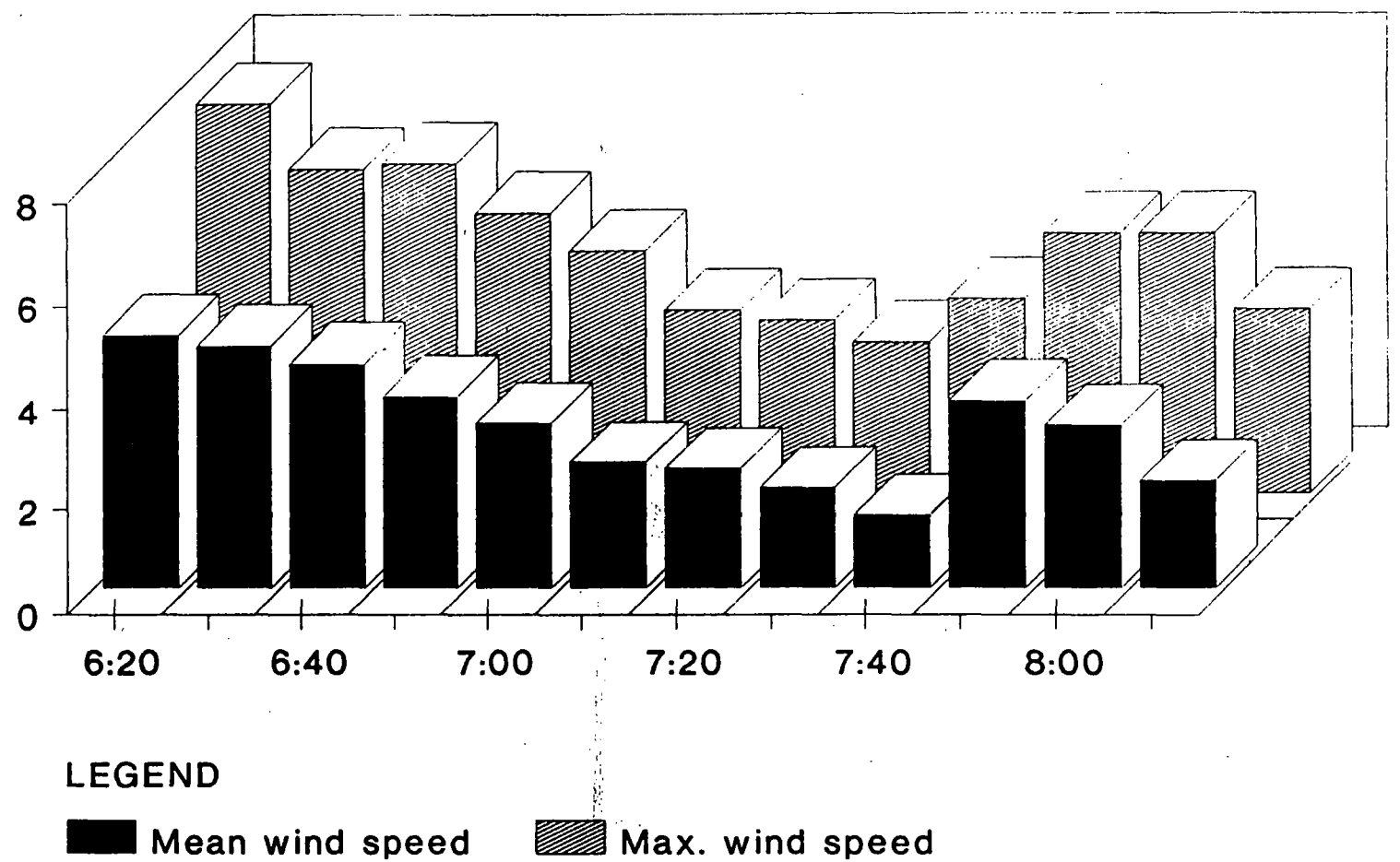
METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
OCTOBER 28, 1992

Time	Average Wind Speed	Maximum Wind Speed
620	4.939	7.57
630	4.73	6.308
640	4.386	6.414
650	3.758	5.467
700	3.229	4.731
710	2.436	3.575
720	2.316	3.364
730	1.927	2.944
740	1.379	3.785
750	3.652	5.047
800	3.172	5.047
810	2.069	3.575

OCTOBER 29, 1992

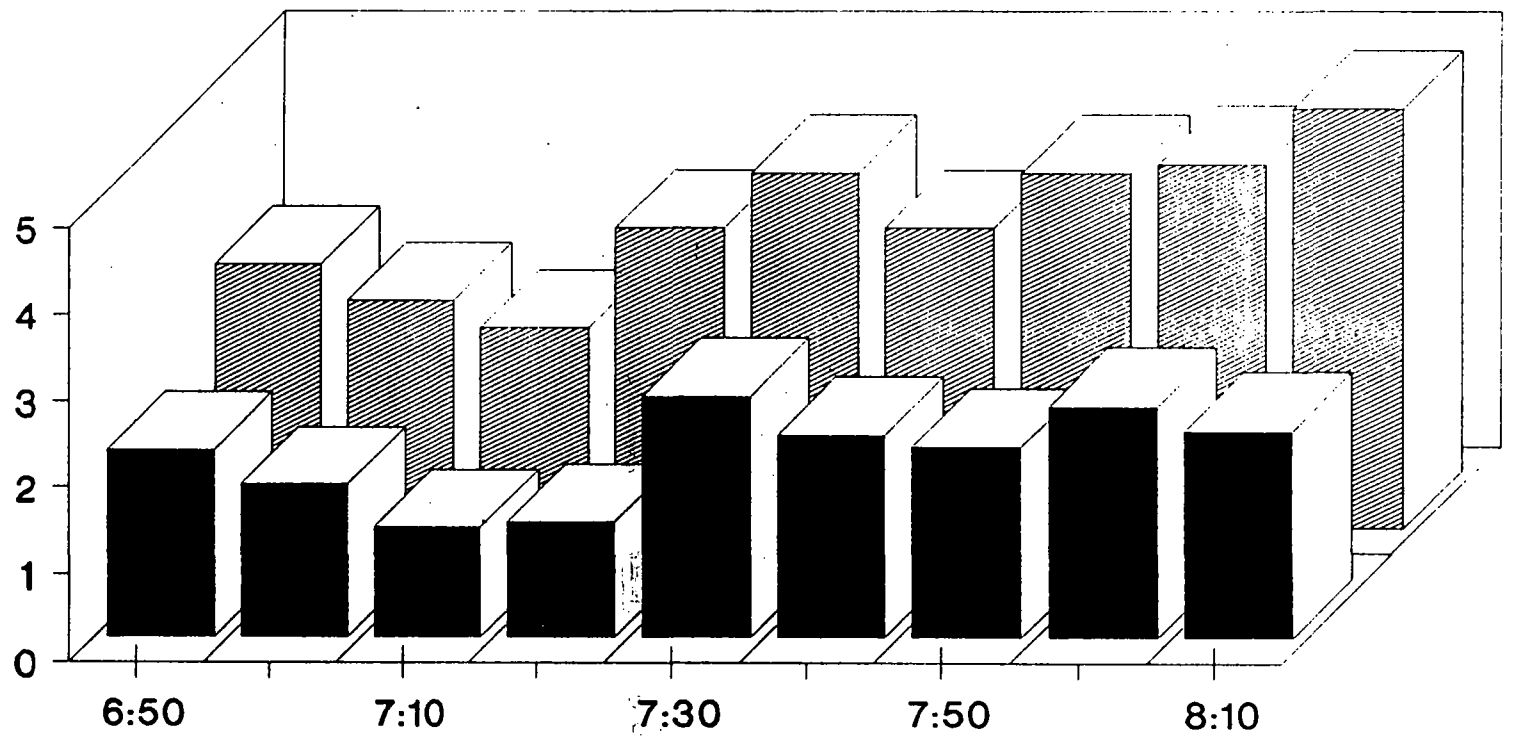
650	2.151	3.049
700	1.75	2.628
710	1.249	2.313
720	1.31	3.47
730	2.773	4.1
740	2.332	3.47
750	2.196	4.1
800	2.665	4.206
810	2.385	4.836

INTEGRATED SURFACE SAMPLING
October 28,1992



Wind Speed in mph

INTEGRATED SURFACE SAMPLING
October 29,1992



LEGEND

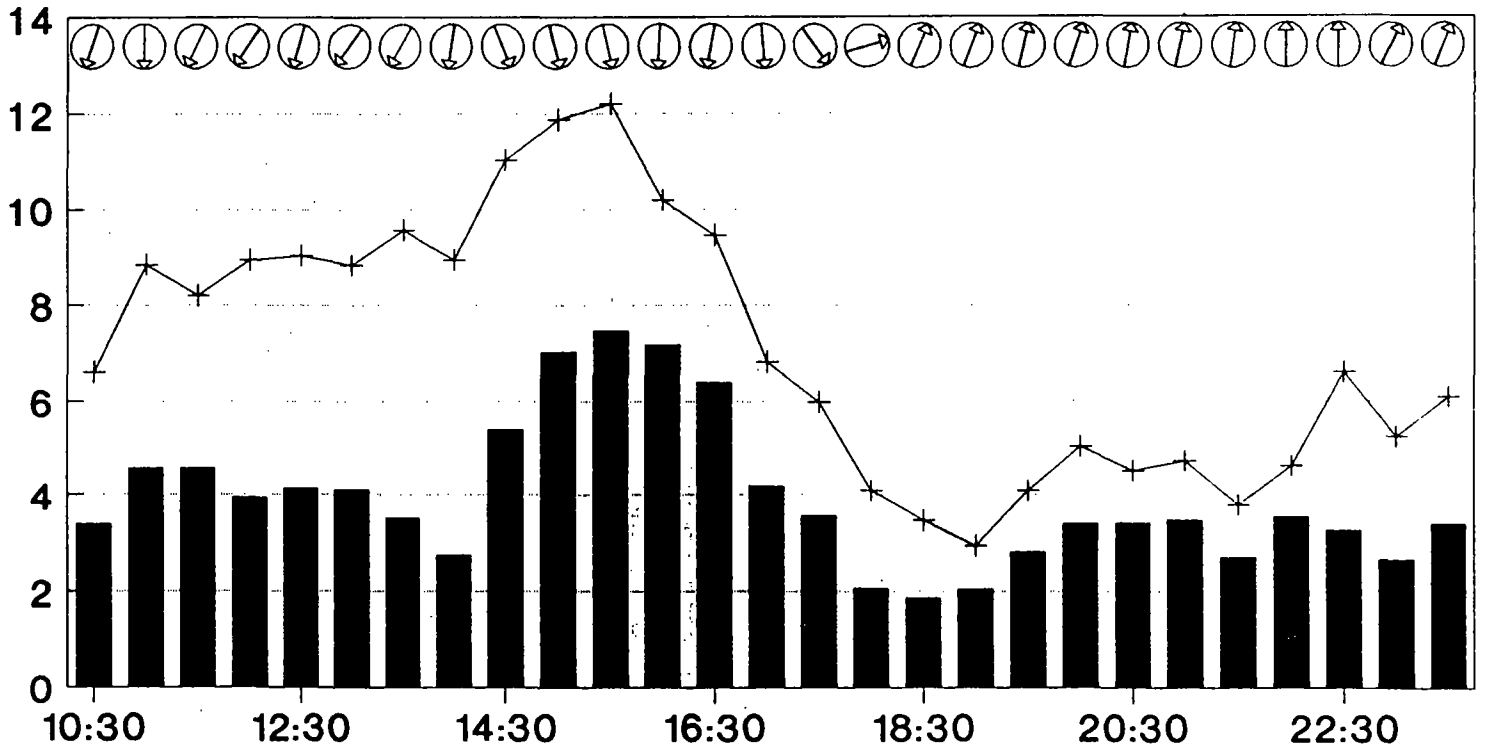
Mean wind speed Max. wind speed

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
NOVEMBER 23, 1992

Date	Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
23-Nov	1030	3.396	6.624	202.8
23-Nov	1100	4.574	8.830	185.8
23-Nov	1130	4.571	8.200	210.7
23-Nov	1200	3.938	8.940	219.0
23-Nov	1230	4.139	9.040	200.2
23-Nov	1300	4.114	8.830	221.4
23-Nov	1330	3.506	9.570	214.2
23-Nov	1400	2.768	8.940	193.4
23-Nov	1430	5.403	11.040	161.8
23-Nov	1500	7.040	11.880	169.3
23-Nov	1530	7.480	12.200	172.2
23-Nov	1600	7.180	10.200	187.9
23-Nov	1630	6.399	9.460	195.9
23-Nov	1700	4.192	6.834	179.5
23-Nov	1730	3.566	5.993	149.0
23-Nov	1800	2.066	4.100	79.2
23-Nov	1830	1.866	3.470	23.2
23-Nov	1900	2.062	2.944	20.8
23-Nov	1930	2.828	4.100	13.1
23-Nov	2000	3.410	5.047	19.2
23-Nov	2030	3.411	4.521	10.4
23-Nov	2100	3.477	4.731	12.4
23-Nov	2130	2.720	3.785	7.8
23-Nov	2200	3.557	4.626	0.1
23-Nov	2230	3.272	6.624	0.1
23-Nov	2300	2.672	5.257	26.9
23-Nov	2330	3.402	6.098	22.2

Ambient Air Wind Data
November 23, 1992



Average Wind Speed Maximum Wind Speed

Direction Wind is Coming From

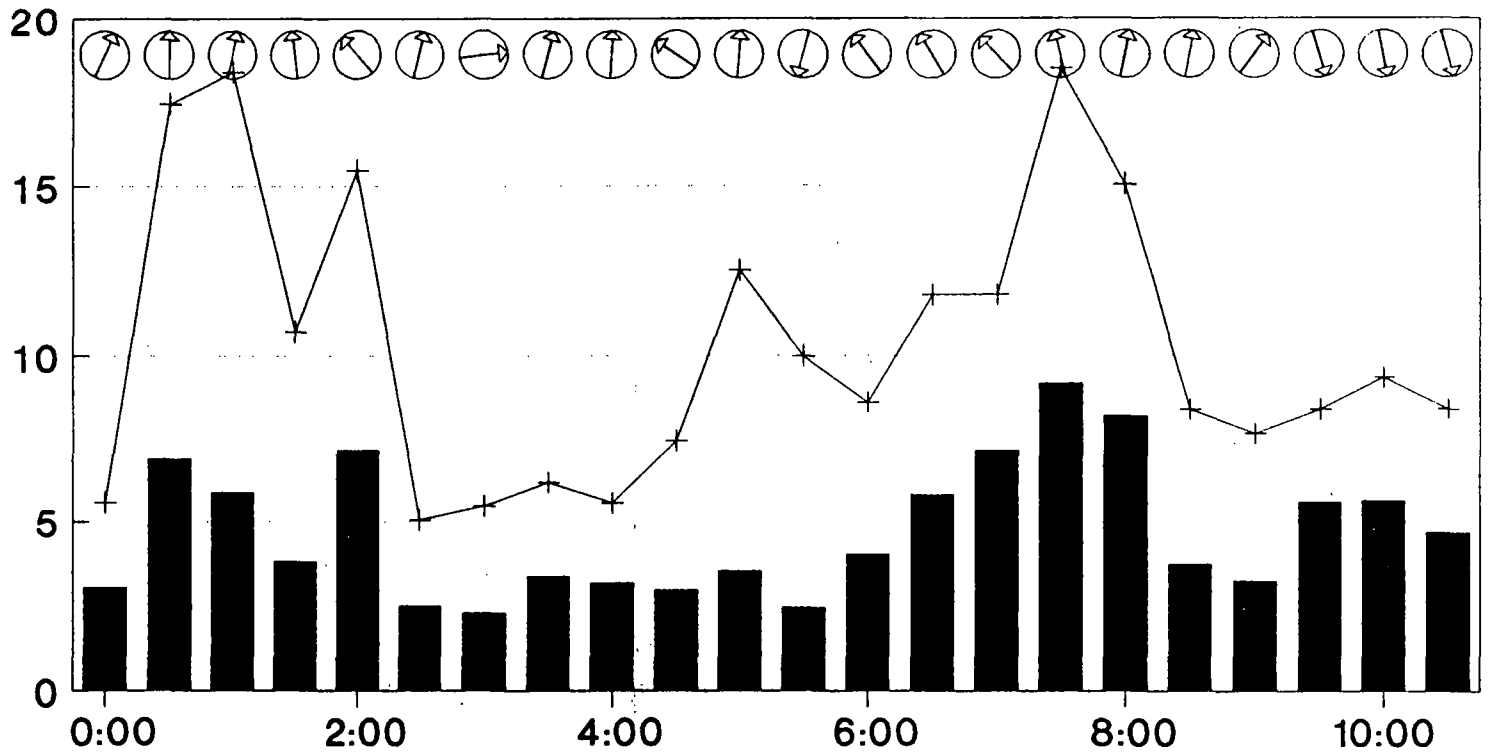
Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
NOVEMBER 24, 1992

Date	Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
24-Nov	0	3.006	5.572	23.9
24-Nov	30	6.924	17.450	0.3
24-Nov	100	5.868	18.400	12.4
24-Nov	130	3.801	10.720	353.3
24-Nov	200	7.170	15.460	317.6
24-Nov	230	2.475	5.047	114.6
24-Nov	300	2.274	5.467	81.6
24-Nov	330	3.366	6.203	14.5
24-Nov	400	3.158	5.572	2.3
24-Nov	430	2.956	7.460	302.7
24-Nov	500	3.537	12.510	3.7
24-Nov	530	2.438	9.990	195.0
24-Nov	600	4.026	8.620	323.3
24-Nov	630	5.814	11.780	329.1
24-Nov	700	7.160	11.780	316.4
24-Nov	730	9.190	18.500	345.4
24-Nov	800	8.220	15.040	11.4
24-Nov	830	3.735	8.410	10.3
24-Nov	900	3.243	7.680	35.6
24-Nov	930	5.615	8.410	162.8
24-Nov	1000	5.638	9.360	168.1
24-Nov	1030	4.693	8.410	163.9

Ambient Air Wind Data

November 24, 1992



Average Wind Speed — Maximum Wind Speed

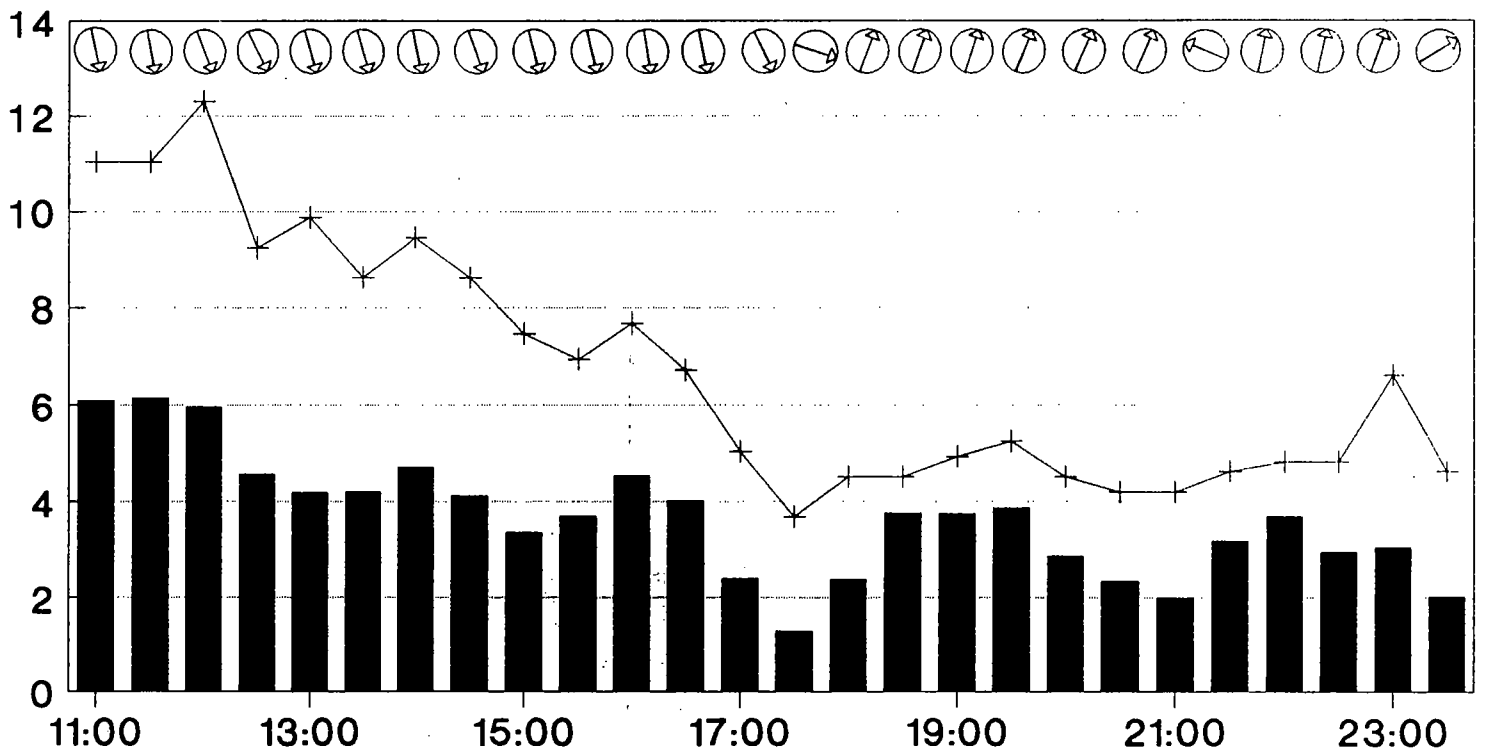
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
DECEMBER 15, 1992

Date	Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
15-Dec	1100	6.100	11.040	168.4
15-Dec	1130	6.150	11.040	169.4
15-Dec	1200	5.963	12.300	157.6
15-Dec	1230	4.577	9.250	152.6
15-Dec	1300	4.188	9.880	164.0
15-Dec	1330	4.206	8.620	165.4
15-Dec	1400	4.724	9.460	163.5
15-Dec	1430	4.122	8.620	167.1
15-Dec	1500	3.366	7.460	159.3
15-Dec	1530	3.702	6.939	165.4
15-Dec	1600	4.547	7.680	169.5
15-Dec	1630	4.019	6.729	168.2
15-Dec	1700	2.398	5.047	154.5
15-Dec	1730	1.290	3.680	108.5
15-Dec	1800	2.391	4.521	20.5
15-Dec	1830	3.770	4.521	18.9
15-Dec	1900	3.747	4.942	17.1
15-Dec	1930	3.869	5.257	22.1
15-Dec	2000	2.880	4.521	23.1
15-Dec	2030	2.353	4.206	23.0
15-Dec	2100	2.008	4.206	292.8
15-Dec	2130	3.186	4.626	10.7
15-Dec	2200	3.691	4.836	11.6
15-Dec	2230	2.967	4.836	3.6
15-Dec	2300	3.052	6.624	20.0
15-Dec	2330	2.022	4.626	58.3

Ambient Air Wind Data
December 15, 1992



Average Wind Speed — Maximum Wind Speed

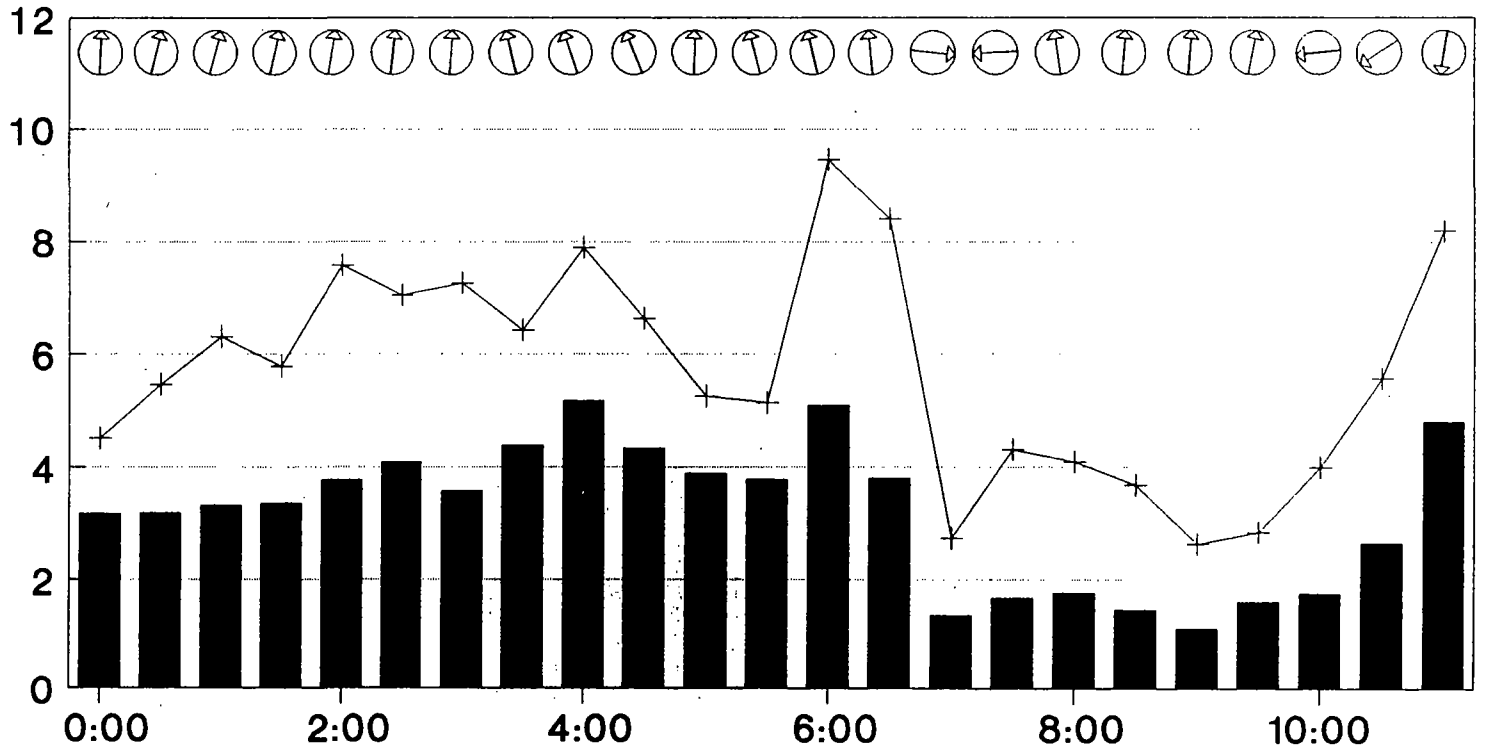
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
DECEMBER 16, 1992

Date	Time	Average Wind Speed	Maximum Wind Speed	Average Wind Direction
16-Dec	0	3.177	4.521	1.6
16-Dec	30	3.188	5.467	13.0
16-Dec	100	3.334	6.308	14.7
16-Dec	130	3.364	5.783	11.7
16-Dec	200	3.773	7.570	8.8
16-Dec	230	4.092	7.040	5.9
16-Dec	300	3.586	7.250	3.1
16-Dec	330	4.392	6.414	345.6
16-Dec	400	5.177	7.890	340.5
16-Dec	430	4.341	6.624	337.3
16-Dec	500	3.888	5.257	0.3
16-Dec	530	3.782	5.152	345.1
16-Dec	600	5.101	9.460	345.7
16-Dec	630	3.807	8.410	354.6
16-Dec	700	1.352	2.734	95.6
16-Dec	730	1.667	4.311	267.0
16-Dec	800	1.762	4.100	351.1
16-Dec	830	1.451	3.680	4.2
16-Dec	900	1.113	2.628	4.4
16-Dec	930	1.601	2.839	11.2
16-Dec	1000	1.752	3.995	263.4
16-Dec	1030	2.648	5.572	236.5
16-Dec	1100	4.806	8.200	188.7

Ambient Air Wind Data
December 16, 1992



Average Wind Speed — Maximum Wind Speed

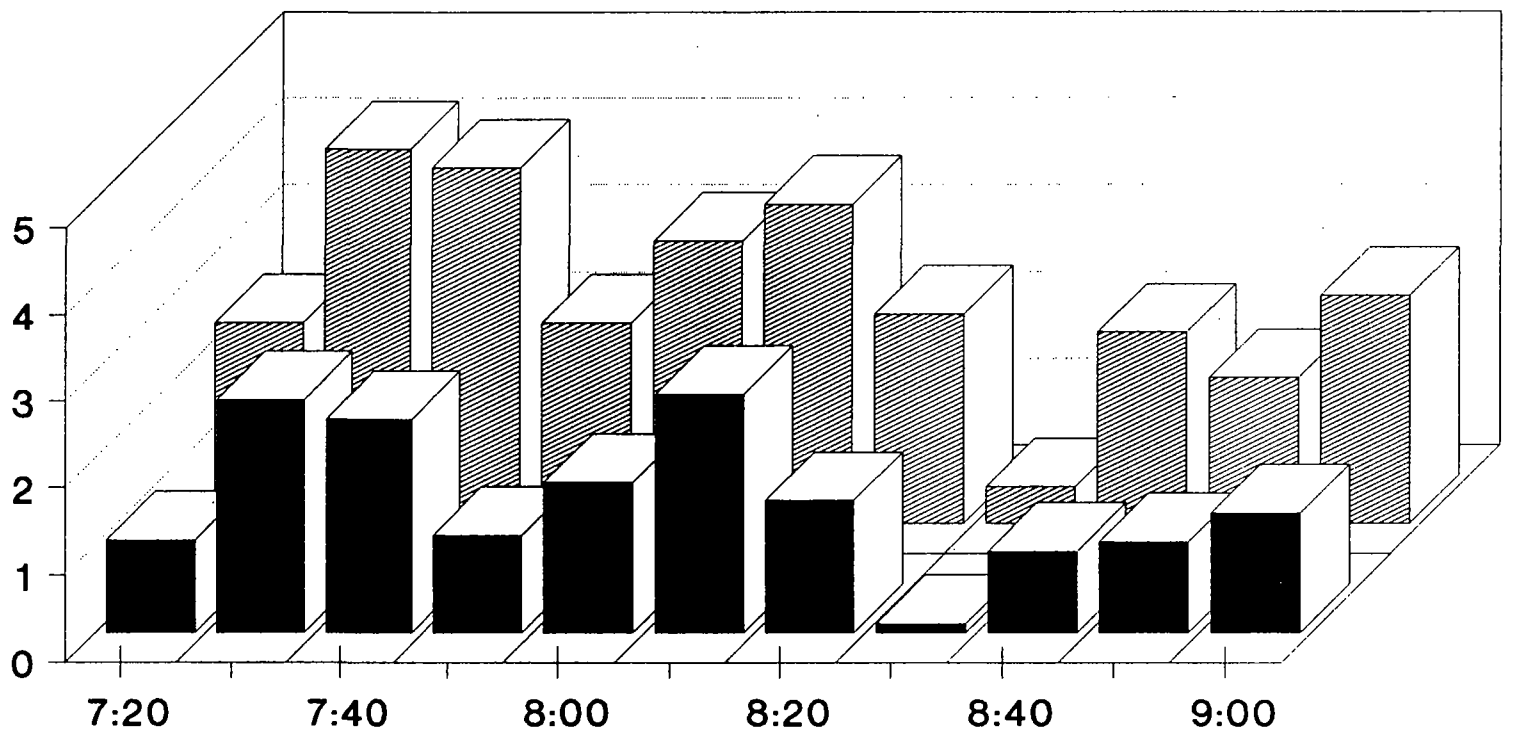
Direction Wind is Coming From

Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
DECEMBER 16, 1992

Time	Average Wind Speed	Maximum Wind Speed
720	1.052	2.313
730	2.675	4.311
740	2.448	4.100
750	1.113	2.313
800	1.724	3.259
810	2.739	3.680
820	1.512	2.418
830	0.102	0.421
840	0.929	2.208
850	1.038	1.682
900	1.371	2.628

INTEGRATED SURFACE SAMPLING
December 16,1992



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).

8 TO 10 OF 16

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

APPENDIX D

FIELD RECORD LOGS

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 1649 Completion Time: 1645

Technician: R. Johnson Bag I.D. No.: VR 184

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 #1 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 06:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:29 Completion Time: 16:30

Technician: R. Johnson Bag I.D. No.: VR209

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 A2 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 6:58
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 7.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:32 Completion Time: 16:33

Technician: R. Johnson Bag I.D. No.: VR 218

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 #3 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 7:25
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 6.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:50 Completion Time: 16:51

Technician: R. Johnson Bag I.D. No.: VR210

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 #4 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 7:52
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:46 Completion Time: 16:47

Technician: R. Johnson Bag I.D. No.: VR ~~175~~ 213

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 #5 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 08:35
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 42 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:26 Completion Time: 16:27

Technician: R. Johnson Bag I.D. No.: VR 219

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: _____

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

Program Start Date: 10/27/92 Time: 09:02
Program Stop Date: _____ Time: _____

Program Timer Setting: ~~24~~ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.2 Methane ppm
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:42 Completion Time: 16:43

Technician: R. Johnson Bag I.D. No.: VR216

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: _____

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

Program Start Date: 10/27/92 Time: 09:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.7 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 1652 Completion Time: 1653

Technician: R. Johnson Bag I.D. No.: VR 217

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 #8 Sampler Number: _____

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

Program Start Date: 10/27/92 Time: 0957
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.6 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: ISS Sample Check

OPERATOR: R. Johnson

DATE: 10/21/92 **Start** 13:24 **Finish** _____

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	8.2 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	21
95	95	100	
500	500	100	

AUDIT

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

Instrument calibrated to _____ gas

COMMENTS: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: ISS Sample check

OPERATOR: R. Johnson

DATE: 10/28/92 **Start** 9:23 **Finish** 9:33

Model # Century 128
Serial # 4050

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	7.4 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9	100	4.9
95	95	100	
500	500	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 9:33	9.0	9.1	
2.			

Instrument calibrated to CH_4 gas

COMMENTS:

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:09 Completion Time: 16:10

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

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: Ried Johnson

Sample Location: Grid #9 Sampler Number: _____

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

Program Start Date: 10/18/92 Time: 06:22
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:13 Completion Time: 16:14

Technician: R. Johnson Bag I.D. No.: VR181

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 #10 Sampler Number: _____

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

Program Start Date: 10/28/92 Time: 6:50
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: 234 Date: 9/9/92
Start Time: ~~10:15~~ 400 Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: VR 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: R. Johnson

Sample Location: Grid # 11 Sampler Number: _____

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

Program Start Date: 10/28/92 Time: 07:17
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 8.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:07 Completion Time: 16:08

Technician: R. Johnson Bag I.D. No.: VR165

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 #12 Sampler Number: _____

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

Program Start Date: 10/28/92 Time: 07:45
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 9.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 10/27/92
Start Time: 17:41 Completion Time: 1742

Technician: R. Johnson Bag I.D. No.: VR217

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: _____

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

Program Start Date: 10/28/92 Time: 0834
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 6.54 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 1616:19 Completion Time: 1616:20

Technician: R. Johnson Bag I.D. No.: VR 205

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: 10/29/92 Time: 6:55
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:40 Completion Time: 16:41

Technician: R. Johnson Bag I.D. No.: VR214

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: 10/19/92 Time: 7:22
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 6.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:24 Completion Time: 16:25

Technician: R. Johnson Bag I.D. No.: VR 192

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 # 16 Sampler Number: _____

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

Program Start Date: 10/19/92 Time: 7:52
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 0162 22 Completion Time: 16:23

Technician: R. Johnson Bag I.D. No.: VR212

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: Cerid #17 Sampler Number: _____

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

Program Start Date: 10/24/92 Time: 08:20
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: OVA Sweep

OPERATOR: R. Johnson

DATE: 10/27/92 **Start** 14:43 **Finish** 16:55

Model # OVA 128
Serial # 4950

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	3.4 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)
9	9	100	6.2
95	95	100	
500	500	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 16:55	9	8.9	
	95	99.0	
2.	500	500	

Instrument calibrated to CH_4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: ISS sample check / OVA sweep Bradley West Extension

OPERATOR: R. Johnson

DATE: 10/29/92 **Start** 9:10 **Finish** _____

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	5.0 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	9	100	2.9
95	95	100	
500	500	100	

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9:30	9	8.5	
		95	98.0	
2.				

Instrument calibrated to _____ gas

COMMENTS: _____

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

Site: 234 400 Date: 9/9/92
Start Time: ~~10:15~~ Completion Time: ~~11:00~~ 500

Technician: C. Wilson Bag I.D. No.: UR203

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: E 11 - Shallow Sampler Number: 9012

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

Program Start Date: 10/7/92 Time: 14:23
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 9 % Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 10/9/92
Start Time: 16:46 Completion Time: 16:48

Technician: R Johnson Bag I.D. No.: VR222

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: 224 DW Colo. Sampler Number: 9004

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

Program Start Date: 10/12/92 Time: 00:00
Program Stop Date: 10/12/92 Time: 06:00

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

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradly Date: 10/9/92
Start Time: 16:44 Completion Time: 16:46

Technician: R Johnson Bag I.D. No.: VR 221

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: DW 246r Sampler Number: 9001

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

Program Start Date: 10/12/92 Time: 06:00
Program Stop Date: 10/12/92 Time: 06:00

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

Rotometer Setting Start: 100 Stop: 1

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 10/9/92
Start Time: 16:40 Completion Time: 16:42

Technician: R. Johnson Bag I.D. No.: VR220

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: 24hr U.W Sampler Number: 9002

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

Program Start Date: 10/11/92 Time: 10:00
Program Stop Date: 10/12/92 Time: 10:00

Program Timer Setting: 1650 Actual Time: 16:50

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 10/9/92
Start Time: 16:48 Completion Time: 16:50

Technician: R. Johnson Bag I.D. No.: VR223

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: UW <24hr Sampler Number: 9003

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

Program Start Date: 10/12/92 Time: 00:00
Program Stop Date: 10/12/92 Time: 06:00

Program Timer Setting: 17:30 Actual Time: 17:30

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 10/9/92
Start Time: 16:50 Completion Time: 16:52

Technician: R Johnson Bag I.D. No.: VR224

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: 24hr DW Sampler Number: 9005

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

Program Start Date: 10/11/92 Time: 10:00
Program Stop Date: 10/12/92 Time: 10:00

Program Timer Setting: 17:33 Actual Time: 17:33

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Landfill Date: 10/19/92
Start Time: 16:11 Completion Time: 16:12

Technician: R. Johnson Bag I.D. No.: VR155

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: LFG Sampler Number: _____

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

Program Start Date: 10/30/92 Time: 14:50
Program Stop Date: _____ Time: 15:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: OVA SWEEP

OPERATOR: R Johnson

DATE: 11/30/92 **Start** 14:00 **Finish** 1730

Model # Century 128
Serial # 40501

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

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9		2.6
95	95		
500	500		

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: Bradley Date: 11/23/92
Start Time: 09:16 Completion Time: 09:17

Technician: R. Johnson Bag I.D. No.: VR226

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: 9005

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

Program Start Date: 11/23/92 Time: 10:30
Program Stop Date: 11/24/92 Time: 10:30

Program Timer Setting: 10:20 Actual Time: 10:20

Rotometer Setting Start: 300 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/23/92
Start Time: 09:11 Completion Time: 09:13

Technician: R. Johnson Bag I.D. No.: VE225

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: 11/24/92 Time: 00:00
Program Stop Date: 11/24/92 Time: 06:00

Program Timer Setting: 10:21 Actual Time: 10:21

Rotometer Setting Start: 100 Stop: 1

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/23/92
Start Time: 09:18 Completion Time: 09:19

Technician: R. Johnson Bag I.D. No.: VR229

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: V.W 24hr Sampler Number: 9002

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

Program Start Date: 11/23/92 Time: 10:30
Program Stop Date: 11/24/92 Time: 10:30

Program Timer Setting: 10:00 Actual Time: 10:00

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/23/92
Start Time: 09:12 Completion Time: 09:13

Technician: R. Johnson Bag I.D. No.: VR226

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: CW<24 hr Sampler Number: 9001

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

Program Start Date: 11/24/92 Time: 0:00
Program Stop Date: 11/24/92 Time: 06:00

Program Timer Setting: 10:05 Actual Time: 10:05

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/23/92
Start Time: 09:14 Completion Time: 09:5

Technician: R. Johnson Bag I.D. No.: VR227

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: ~~22~~-OW <24hr Dup Sampler Number: 9004

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

Program Start Date: 11/24/92 Time: 0000
Program Stop Date: 11/24/92 Time: 0600

Program Timer Setting: 10:07 Actual Time: 10:07

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 14:00 Completion Time: 14:02

Technician: R. Johnson Bag I.D. No.: VR 162

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: LF6 Sampler Number: 1013

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

Program Start Date: 11/23/92 Time: 16:42
Program Stop Date: _____ Time: _____

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: Bradley Date: 11/16/92
Start Time: 15 43 Completion Time: 15 45

Technician: Vicki A. Bag I.D. No.: VR 169

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: Rick Johnson

Sample Location: West 10-M Sampler Number: 9013

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

Program Start Date: 11/23/92 Time: 16:19
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

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

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1524 Completion Time: 1524

Technician: Vita K. Bag I.D. No.: VR 207

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 #1 Sampler Number: _____

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

Program Start Date: 11/17/92 Time: 8:09
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.2 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1520 Completion Time: 1523

Technician: Vicki A. Bag I.D. No.: VR 210

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: GD

Sample Location: #2 Sampler Number: _____

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

Program Start Date: 11/17/92 Time: 807
Program Stop Date: _____ Time: 832

Program Timer Setting: .8 Actual Time: .8

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.3 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1518 Completion Time: 1520

Technician: Vicki A. Bag I.D. No.: VR 216

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 #4 Sampler Number: _____

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

Program Start Date: 11/17/92 Time: 8:45
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1526 Completion Time: ~~[illegible]~~ 1528

Technician: Vicki A. Bag I.D. No.: VR 154

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: BWM

Sample Location: Grid #10 Sampler Number: 1552

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

Program Start Date: 11/17/92 Time: _____
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: 4.6 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 15[11] Completion Time: 15[18]

Technician: ~~[illegible]~~ Vicki Bag I.D. No.: VR 205

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: [illegible] 11 Sampler Number: ISS # 1

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

Program Start Date: 11/17/92 Time: _____
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: .8 Stop: .8

Field Readings: 9.4 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1512 Completion Time: 1513

Technician: Vicki A. Bag I.D. No.: VR217

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: BWM

Sample Location: Grid #9 Sampler Number: 355 #1

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

Program Start Date: 11-17-92 Time: 08:01
Program Stop Date: " Time: 08:26

Program Timer Setting: _____ Actual Time: ~~08:00~~

Rotometer Setting Start: 35 Stop: _____

Field Readings: 4.4 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1529 Completion Time: 1531

Technician: Vicki K. Bag I.D. No.: VR166

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 #12 Sampler Number: _____

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

Program Start Date: ~~07:20~~ 11/17/92 Time: 07:27
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.2 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1520 Completion Time: 1522

Technician: Vicki A. Bag I.D. No.: VR213

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: DWM

Sample Location: Grid #8 Sampler Number: 155 2

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

Program Start Date: 11-17-92 Time: 08:52
Program Stop Date: _____ Time: 09:17

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.8 Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1541 Completion Time: 1543

Technician: Vidi F. Bag I.D. No.: VR180

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: ISS GRID 3 Sampler Number: ISS 1

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

Program Start Date: 11-17-92 Time: 840
Program Stop Date: Time: 905

Program Timer Setting: Actual Time:

Rotometer Setting Start: .8 Stop: .8

Field Readings: 3.5 Methane
Other (Specify)

Observations:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: OVA Sweep

OPERATOR: R. Johnson

DATE: 12/17/92 **Start** 9:38 **Finish** 12:05

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	4.4 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)
9	9		3.4
95	95		
500	500		

AUDIT

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

Instrument calibrated to_____gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Land fill

PURPOSE: OVA sweep Bradley West + East

OPERATOR: R. Johnson

DATE: 12/22/92 **Start** 14:55 **Finish** 17:00

Model # OVA Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	3.8 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9		2.8
95	95		
500	500		

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: Bradley Date: 11/16/92
Start Time: 1538 Completion Time: 1540

Technician: Vicki A. Bag I.D. No.: VR179

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: Central Collection Sampler Number: _____

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

Program Start Date: 12/11/92 Time: 1012
Program Stop Date: _____ Time: _____

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: Bradley Date: 11/16/92
Start Time: 1534 Completion Time: 1536

Technician: Vicki A. Bag I.D. No.: VR173

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: Probe W 10-M Sampler Number: _____

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

Program Start Date: 12/10/92 Time: 1712
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 31 % Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Land fill

PURPOSE: Field check - ISS Samples

OPERATOR: R. Johnson

DATE: 12/10/92 **Start** 10:28 **Finish** 10:43

Model # OVA 128
Serial # 40501

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

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9		
95	95		
500	500		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9	8	
	95	74	
2.			

Instrument calibrated to _____ gas

COMMENTS: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 7[illegible] Completion Time: 7[illegible]

Technician: Vicki A. Bag I.D. No.: VR155

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 1 Sampler Number: ISS 1

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

Program Start Date: 12-16-92 Time: 720
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: .8 Stop: .8

Field Readings: 24 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 959 Completion Time: 10:

Technician: Vicki A. Bag I.D. No.: VR 216

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: SD

Sample Location: GRID 2 Sampler Number: ISS#1

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

Program Start Date: 12-16-92 Time: 7:47
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: .8 Stop: .8

Field Readings: 2.9 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 1032 Completion Time: 1034

Technician: Vicki A. Bag I.D. No.: VF221

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: Bruce Metlock

Sample Location: Grid 3 Sampler Number: 155 2

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

Program Start Date: 12-16-92 Time: 07:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1505 Completion Time: 1507

Technician: Vicki A. Bag I.D. No.: VR 219

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: Bruce Mattock

Sample Location: Grid 4 Sampler Number: ISS 2

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

Program Start Date: 12-16-92 Time: 07:58
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: 34 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Rd Date: 11/16/92
Start Time: 13 00 Completion Time: 13 10

Technician: Vicki A. Bag I.D. No.: VR 212

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: Bruce Mattlock

Sample Location: Grid 5 Sampler Number: ISS 2

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

Program Start Date: 12-16-92 Time: 08:26
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: 4.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1800 Completion Time: 1805

Technician: Vuti A Bag I.D. No.: VR 214

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 6 Sampler Number: ISS 2

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

Program Start Date: 12-16-92 Time: 05:57
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: 3.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 1035 Completion Time: 1037

Technician: Vicki A. Bag I.D. No.: VR166

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: _____

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

Program Start Date: 12/16/92 Time: 0831 39
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 4.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 946 Completion Time: 947

Technician: Vicki A. Bag I.D. No.: VE-203

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: SD

Sample Location: GRID 8 Sampler Number: ISS 1

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

Program Start Date: 12-16-92 Time: 8:16
Program Stop Date: Time: 8:41

Program Timer Setting: Actual Time:

Rotometer Setting Start: 8 Stop: 8

Field Readings: 4.3 ppm Methane
Other (Specify)

Observations:

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 12:09 Completion Time: 10:10

Technician: Vicki A. Bag I.D. No.: VR210

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: Gas #9 Sampler Number: _____

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

Program Start Date: 12/16/92 Time: 08:07
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1536 Completion Time: 1538

Technician: Vicki A. Bag I.D. No.: VR 187

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: J. Johnson

Sample Location: Grid #10 Sampler Number: _____

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

Program Start Date: 12/16/92 Time: 07:33
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 12/15/92
Start Time: 10:20 Completion Time: 10:22

Technician: R. Johnson Bag I.D. No.: UR234

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: UW 224 hr Sampler Number: 4003

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

Program Start Date: 12/16/92 Time: 00:00
Program Stop Date: 12/16/92 Time: 06:00

Program Timer Setting: 11:01 Actual Time: 11:01

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 12/15/92
Start Time: 10:22 Completion Time: 10:23

Technician: R. Johnson Bag I.D. No.: UR233

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: DIV 24/m Sampler Number: 9005

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

Program Start Date: 12/15/92 Time: 11:00
Program Stop Date: 12/16/92 Time: 11:00

Program Timer Setting: 10:55 Actual Time: 10:55

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 12/15/92
Start Time: 10:24 Completion Time: 10:25

Technician: R. Johnson Bag I.D. No.: UR232

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: DIV C24L-Dup Sampler Number: 9004

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

Program Start Date: 12/16/92 Time: 00:00
Program Stop Date: 12/16/92 Time: 06:00

Program Timer Setting: 10:47 Actual Time: 10:47

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 12/15/92
Start Time: 10:27 Completion Time: 10:28

Technician: R. Johnson Bag I.D. No.: UR230

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: DW-29bc Sampler Number: 9001

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

Program Start Date: 12/10/92 Time: 0:00
Program Stop Date: 12/16/92 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: Bradley Date: 12/15/92
Start Time: 10:26 Completion Time: 10:27

Technician: R. Johnson Bag I.D. No.: UR231

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: UW 24hr Sampler Number: 9002

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

Program Start Date: 12/15/92 Time: 11:00
Program Stop Date: 12/16/92 Time: 11:00

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

OCT 22 1992
VALLEY RECLAMATION

October 19, 1992

LTR/414/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 814635-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on October 12, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, 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: October 19, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: October 12, 1992
Date Analyzed: October 12, & 13, 1992

AtmAA Lab No.:	92862-1	92862-2	92862-3	92862-4	92862-5
Sample I.D.:	VR220	VR222	VR221	VR224	VR223
	A.A. U.W.	A.A. D.W.	A.A. D.W.	A.A. D.W.	A.A. U. W.
	24 hr.	< 24 hr.	< 24 hr.	24 hr.	< 24 hr.
		Co Lo			
Components:	(Concentration in ppm, v/v)				
Methane	21.2	13.2	38.8	2.68	2.73
TGNMO	1.44	2.52	2.89	2.50	2.95
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	4.04	4.71	4.62	3.57	4.33
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	0.83	0.78	0.58	0.63	0.72
Perchloroethene	0.36	0.19	0.18	0.22	0.19
Carbon Tetrachloride	0.12	0.10	0.11	0.12	0.10
Toluene	9.74	9.75	9.11	6.48	8.47
1,1,1-trichloroethane	1.95	1.38	1.45	1.70	1.37
Trichloroethene	0.18	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	2.85	4.24	4.27	2.51	3.81
o-xylene	6.49	3.26	3.32	2.57	3.21

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR222	13.1	13.3	13.2	0.76
TGNMO	VR222	2.42	2.61	2.52	3.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR222	<0.8	<0.8	---	---
	VR223	<0.8	<0.8	---	---
Benzene	VR222	4.79	4.63	4.71	1.7
Benzylchloride	VR221	<0.8	<0.8	---	---
Chlorobenzene	VR222	<0.1	<0.1	---	---
Dichlorobenzenes*	VR221	<1.1	<1.1	---	---
1,1-dichloroethane	VR222	<0.4	<0.4	---	---
1,2-dichloroethane	VR222	<0.2	<0.2	---	---
1,1-dichloroethylene	VR221	<0.1	<0.1	---	---
Dichloromethane	VR221	0.59	0.58	0.58	0.85
Perchloroethene	VR223	0.20	0.18	0.19	5.3
Carbon Tetrachloride	VR223	0.10	0.11	0.10	4.8
Toluene	VR222	10.0	9.50	9.75	2.6
1,1,1-trichloroethane	VR223	1.35	1.39	1.37	1.4
Trichloroethene	VR223	<0.06	<0.06	---	---
Chloroform	VR223	<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	VR221	< 0.1	< 0.1	---	---
m + p-xylenes	VR222	4.32	4.17	4.24	1.8
o-xylene	VR222	3.30	3.22	3.26	1.2

A set of 5 Tedlar bag samples laboratory numbers, 92862-(1-5) 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 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.	Atm AA. Inc.	No.

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Methane							Field Comments	Lab* Comments
VR 220	10/11/92	10:00	AA U.W 24hr	✓	✓	✓								928602-1
VR 222	10/12/92	00:00	AA DW <24hr Cold	✓	✓	✓								-2
VR 221	10/12/92	00:00	AA DW <24hr	✓	✓	✓								-3
VR 224	10/11/92	10:00	AA DW 24hr	✓	✓	✓								-4
VR 223	10/12/92	00:00	AA UW <24hr	✓	✓	✓								-5

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[signature]	10/12/92	12:52			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
			[signature]	10/12/92	12:52

* 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

NOV 09 1992
VALLEY RECLAMATION

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

November 4, 1992

LTR/442/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis reports, quality assurance summary, and the original chain of custody forms for samples received on October 28, & 30, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, permanent gases, methane, total gaseous non-methane organics, and hydrogen sulfide.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8146351-01

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR209	6.71	6.71	6.71	0.0
TGNMO	VR209	3.96	3.67	3.82	3.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR209	< 0.8	< 0.8	---	---
Benzene	VR209	4.40	4.23	4.32	2.0
Benzylchloride	VR165	< 0.8	< 0.8	---	---
Chlorobenzene	VR209	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR165	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR209	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR209	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR209	< 0.1	< 0.1	---	---
Dichloromethane	VR209	1.33	1.32	1.32	0.38
Perchloroethene	VR209	0.71	0.69	0.70	1.4
	VR165	0.40	0.39	0.40	1.3
Carbon Tetrachloride	VR209	0.10	0.10	0.10	0.0
	VR165	0.10	0.10	0.10	0.0
Toluene	VR209	10.4	9.83	10.1	2.8
1,1,1-trichloroethane	VR209	9.60	9.64	9.62	0.21
	VR165	3.46	3.47	3.46	0.14
Trichloroethene	VR209	< 0.06	< 0.06	---	---
	VR165	< 0.06	< 0.06	---	---

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 Toxics	Perm. Gases	DCDFM	TGNMO			CH_4 %			Field Comments	Lab* Comments
VR203	10/7/92	14:23	Probe E 1L	✓	✓	✓	✓			9.0				92812-13

Analyses

Field Testing

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/7/92	18:20			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				10/7/92	18:20

* 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

OCT 22 1992
VALLEY RECLAMATION

October 19, 1992

LTR/414/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 814635-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on October 12, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: October 19, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: October 12, 1992
Date Analyzed: October 12, & 13, 1992

AtmAA Lab No.:	92862-1	92862-2	92862-3	92862-4	92862-5
Sample I.D.:	VR220	VR222	VR221	VR224	VR223
	A.A. U.W.	A.A. D.W.	A.A. D.W.	A.A. D.W.	A.A. U. W.
	24 hr.	< 24 hr.	< 24 hr.	24 hr.	< 24 hr.
		Co Lo			
Components:	(Concentration in ppm, v/v)				
Methane	21.2	13.2	38.8	2.68	2.73
TGNMO	1.44	2.52	2.89	2.50	2.95
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	4.04	4.71	4.62	3.57	4.33
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	0.83	0.78	0.58	0.63	0.72
Perchloroethene	0.36	0.19	0.18	0.22	0.19
Carbon Tetrachloride	0.12	0.10	0.11	0.12	0.10
Toluene	9.74	9.75	9.11	6.48	8.47
1,1,1-trichloroethane	1.95	1.38	1.45	1.70	1.37
Trichloroethene	0.18	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	2.85	4.24	4.27	2.51	3.81
o-xylene	6.49	3.26	3.32	2.57	3.21

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR222	13.1	13.3	13.2	0.76
TGNMO	VR222	2.42	2.61	2.52	3.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR222	< 0.8	< 0.8	---	---
	VR223	< 0.8	< 0.8	---	---
Benzene	VR222	4.79	4.63	4.71	1.7
Benzylchloride	VR221	< 0.8	< 0.8	---	---
Chlorobenzene	VR222	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR221	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR222	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR222	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR221	< 0.1	< 0.1	---	---
Dichloromethane	VR221	0.59	0.58	0.58	0.85
Perchloroethene	VR223	0.20	0.18	0.19	5.3
Carbon Tetrachloride	VR223	0.10	0.11	0.10	4.8
Toluene	VR222	10.0	9.50	9.75	2.6
1,1,1-trichloroethane	VR223	1.35	1.39	1.37	1.4
Trichloroethene	VR223	< 0.06	< 0.06	---	---
Chloroform	VR223	< 0.08	< 0.08	---	---

AtmAA Inc.
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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: November 4, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: October 28, 1992
Date Analyzed: October 28, & 29, 1992

AtmAA Lab No.:	93022-13	93022-14
Sample I.D.:	VR209	VR165
	ISS	ISS
	Grid #2	Grid #12
Components:	(Concentration in ppm, v/v)	
Methane	6.71	10.1
TGNMO	3.82	2.29
	(Concentration in ppb, v/v)	
Acetonitrile	< 0.8	< 0.8
Benzene	4.32	2.23
Benzylchloride	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	< 1.1
1,1-dichloroethane	< 0.4	< 0.4
1,2-dichloroethane	< 0.2	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1
Dichloromethane	1.32	0.96
Perchloroethene	0.70	0.40
Carbon Tetrachloride	0.10	0.10
Toluene	10.1	4.98
1,1,1-trichloroethane	9.62	3.46
Trichloroethene	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1
m + p-xylenes	3.44	1.74
o-xylene	1.41	0.85

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR209	6.71	6.71	6.71	0.0
TGNMO	VR209	3.96	3.67	3.82	3.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR209	< 0.8	< 0.8	---	---
Benzene	VR209	4.40	4.23	4.32	2.0
Benzylchloride	VR165	< 0.8	< 0.8	---	---
Chlorobenzene	VR209	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR165	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR209	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR209	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR209	< 0.1	< 0.1	---	---
Dichloromethane	VR209	1.33	1.32	1.32	0.38
Perchloroethene	VR209	0.71	0.69	0.70	1.4
	VR165	0.40	0.39	0.40	1.3
Carbon Tetrachloride	VR209	0.10	0.10	0.10	0.0
	VR165	0.10	0.10	0.10	0.0
Toluene	VR209	10.4	9.83	10.1	2.8
1,1,1-trichloroethane	VR209	9.60	9.64	9.62	0.21
	VR165	3.46	3.47	3.46	0.14
Trichloroethene	VR209	< 0.06	< 0.06	---	---
	VR165	< 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	VR209	< 0.08	< 0.08	---	---
	VR165	< 0.08	< 0.08	---	---
Vinyl Chloride	VR209	< 0.1	< 0.1	---	---
m + p-xylenes	VR209	3.53	3.35	3.44	2.6
o-xylene	VR209	1.42	1.39	1.41	1.1

A set of 2 Tedlar bag samples laboratory numbers, 93022-(13 & 14) was analyzed for SCAQMD Rule 1150.1 components, 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 13 repeat measurements from the sample set of 2 Tedlar bag samples is 1.2%.

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	ISO.1 Air Toxics	TGNMO	CH_4				CH_4 - ppm			Field Comments	Lab* Comments
VR 209	10/27/92	06:58	ISS Grid # 2	✓	✓	✓				7.3				9302213
~~VR 219~~	~~10/27/92~~	~~09:02~~	~~ISS Grid # 6~~	✓	✓	✓				5.2				~~-14~~
VR 165	10/28/92	07:45	ISS Grid # M	✓	✓	✓				9.4				93022-14

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/28/92	12:29			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	10/28/92	12:29

* 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

AtmAA Inc.
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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Sample

Report Date:	November 4, 1992
P.O. No.:	8146351-01
Site:	Bradley Landfill
Date Received:	October 30, 1992
Date Analyzed:	October 30, 1992
AtmAA Lab No.:	93042-22
Sample I.D.:	VR155

Components:	LFG
	(Concentration in %, v/v)
Nitrogen	17.3
Oxygen	1.31
Methane	42.5
Carbon Dioxide	39.0
	(Concentration in ppm, v/v)
TGNMO	4530
	(Concentration in ppb, v/v)
Acetonitrile	228
Benzene	2530
Benzylchloride	< 15
Chlorobenzene	1050
Dichlorobenzenes*	1330
1,1-dichloroethane	4360
1,2-dichloroethane	384
1,1-dichloroethylene	494
Dichloromethane	9760
Perchloroethene	11200
Carbon Tetrachloride	< 5
Toluene	80600
1,1,1-trichloroethane	95.0
Trichloroethene	5180
Chloroform	< 10
Vinyl Chloride	3640
m + p-xylenes	31400
o-xylene	10400

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

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analysis)

(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR155	4870	5480	5180	5.9
Chloroform	VR155	< 10	< 10	---	---
Vinyl Chloride	VR155	3640	3650	3640	0.14
m + p-xylenes	VR155	30200	32500	31400	3.7
o-xylene	VR155	10000	10800	10400	3.8

One Tedlar bag sample laboratory number, 93042-22 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 colu "% Difference from Mean." Repeat analyses are an important part of AtmAA's quality assuran program. The average % Difference from Mean for 20 repeat measurements from one Tedlar bag sample is 3.8%.

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

Dichlorodifluoromethane Analysis in Tedlar Bag Sample

Report Date: November 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: October 30, 1992
Date Analyzed: October 30, 1992

AtmAA Lab No.: 93042-22
Sample I.D.: VR155
LFG

Components:	(Concentration in ppb, v/v)	
		(repeat)
Dichlorodifluoromethane	6520	7190

Michael L. Porter
Laboratory Director

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: November 5, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: October 30, 1992
Date Analyzed: October 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	Hydrogen Sulfide (Conc. in ppm)	(repeat)
93042-22	VR155	44.5	45.0

Michael L. Porter
Laboratory Director

CHAIN OF CU[illegible]DY RECORD

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

Site / Facility#

Site Name: Bradley Land fill

Sampler: (Signature) [illegible]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	H2S	ACDFM	Perm. Gases					Field Comments	Lab* Comments
VR155	10/30/92	1450	LFG	✓	✓	✓	✓	✓						93042-22

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	10/30/92	15:33			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) [illegible]	Date 10/30/92	Time 15:33

* 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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NOV 30 1992

VALLEY RECLAMATION CO

November 24, 1992

LTR/475/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for two Tedlar bag samples received on November 17, 1992.

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

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

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)			
Trichloroethene	VR155	4870	5480	5180	5.9
Chloroform	VR155	< 10	< 10	---	---
Vinyl Chloride	VR155	3640	3650	3640	0.14
m + p-xylenes	VR155	30200	32500	31400	3.7
o-xylene	VR155	10000	10800	10400	3.8

One Tedlar bag sample laboratory number, 93042-22 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 colu "% Difference from Mean." Repeat analyses are an important part of AtmAA's quality assuran program. The average % Difference from Mean for 20 repeat measurements from one Tedlar bag sample is 3.8%.

AtmAA Inc.
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laboratory services

LABORATORY ANALYSIS REPORT

Dichlorodifluoromethane Analysis in Tedlar Bag Sample

Report Date: November 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: October 30, 1992
Date Analyzed: October 30, 1992

AtmAA Lab No.: 93042-22
Sample I.D.: VR155
LFG

Components:	(Concentration in ppb, v/v)	
		(repeat)
Dichlorodifluoromethane	6520	7190

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

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: November 5, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: October 30, 1992
Date Analyzed: October 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	Hydrogen Sulfide (Conc. in ppm)	(repeat)
93042-22	VR155	44.5	45.0

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site / Facility#

Site Name: Bradley Land fill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	H_2S	RCRA FM	Perm. Gases					Field Comments	Lab* Comments
VR155	10/30/92	1450	LFG	✓	✓	✓	✓	✓						93042-22

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/30/92	15:33			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) [signature]	Date 10/31/92	Time 15:33

* 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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NOV 30 1992

VALLEY RECLAMATION CO.

November 24, 1992

LTR/475/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for two Tedlar bag samples received on November 17, 1992.

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

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date:	November 24, 1992
P.O. No.:	8146351-01
Site:	Bradley Landfill
Date Received:	November 17, 1992
Date Analyzed:	November 17, & 18, 1992

AtmAA Lab No.:	93222-3	93222-4
Sample I.D.:	VR154	VR213
	ISS	ISS
	Grid #10	Grid #8
Components:	(Concentration in ppm, v/v)	
Methane	3.26	4.46
TGNMO	1.99	1.28
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.42	1.95
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	3.76	0.86
Perchloroethene	0.96	0.24
Carbon Tetrachloride	0.092	0.097
Toluene	5.65	3.64
1,1,1-trichloroethane	10.8	7.36
Trichloroethene	<0.06	<0.06
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m+p-xylenes	1.85	0.90
o-xylene	0.76	0.79

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

Michael L. Porter
Laboratory Director

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: December 15, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: December 11, 1992
Date Analyzed: December 11, 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)
93462-17	VR179	44.8	46.5

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)			
Perchloroethene	VR173	2580	2650	2620	1.3
	VR179	9750	10700	10200	4.6
Carbon Tetrachloride	VR173	< 5	< 5	---	---
	VR179	< 5	< 5	---	---
Toluene	VR173	26.1	26.1	26.1	0.0
	VR179	73700	82600	78200	5.7
1,1,1-trichloroethane	VR173	543	553	548	0.91
	VR179	358	384	371	3.5
Trichloroethene	VR173	501	524	512	2.2
	VR179	4600	5130	4860	5.4
Chloroform	VR173	33.4	31.6	32.5	2.8
	VR179	8.58	13.1	10.8	21
Vinyl Chloride	VR173	4050	4020	4040	0.37
m + p-xylenes	VR173	93.7	94.5	94.1	0.42
	VR179	26200	29200	27700	5.4
o-xylene	VR173	20.9	20.2	20.6	1.7
	VR179	9030	9960	9500	4.9
Freon-12	VR179	7720	8050	7860	1.8
	VR173	4560	5140	4850	6.0

A set of 2 Tedlar bag samples laboratory numbers, 93462-16 &17 was analyzed for SCAQMD Rule 1150.1 components, permanent gases, 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 35 repeat measurements from the sample set of 2 Tedlar bag samples is 3.8%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Land fill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	11 50.1 Toxics	TGNMO	Permanent Gases	H_2S	O.chlorid.fluoro methane					Field Comments	Lab* Comments
VR 173	12/10/92	17:12	Probe W 10-m	✓	✓	✓							93462-16	
VR 179	12/11/92	10:10	LFG	✓	✓	✓	✓	✓					-17	

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[signature]	12/11/92	10:42			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
			Kam Porter	12/11/92	10:42

* 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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DEC 28 1992
VALLEY RECLAMATION

December 23, 1992

LTR/530/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for seven Tedlar bag samples received on December 16, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: December 23, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: December 16, 1992
Date Analyzed: December 16, & 17, 1992

AtmAA Lab No.:	93512-36	93512-37	93512-38	93512-39	93512-40
Sample I.D.:	VR231	VR233	VR234	VR232	VR230
	A.A. 24hr	A.A. 24hr	A.A. < 24hr	A.A. < 24hr	A.A. < 24hr
	UP wind	D. wind	Up wind	D. wind dup	D. wind
Components:	(Concentration in ppm, v/v)				
Methane	6.18	2.72	1.65	4.10	15.2
TGNMO	1.17	< 1	< 1	< 1	1.07
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.68	1.57	0.58	0.44	0.49
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	2.52	0.87	0.23	0.29	0.27
Perchloroethene	0.28	0.51	< 0.1	< 0.1	< 0.1
Carbon Tetrachloride	0.11	0.12	0.11	0.11	0.11
Toluene	4.22	4.52	2.85	1.32	1.46
1,1,1-trichloroethane	10.3	3.58	0.52	0.82	0.80
Trichloroethene	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	1.26	1.39	0.46	0.48	0.52
o-xylene	1.62	2.03	3.16	0.77	0.82

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

Michael L. Porter
Laboratory Director

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

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: December 23, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: December 16, 1992
Date Analyzed: December 16, & 17, 1992

AtmAA Lab No.:	93512-34	93512-35
Sample I.D.:	VR155	VR166
	ISS	ISS
	Grid #1	Grid #7
Components:	(Concentration in ppm, v/v)	
Methane	19.4	3.72
TGNMO	55.3	1.60
	(Concentration in ppb, v/v)	
Acetonitrile	1.86	< 0.8
Benzene	41.0	2.41
Benzylchloride	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	< 1.1
1,1-dichloroethane	16.2	< 0.4
1,2-dichloroethane	9.86	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1
Dichloromethane	147	2.52
Perchloroethene	134	0.40
Carbon Tetrachloride	0.12	0.10
Toluene	2580	7.08
1,1,1-trichloroethane	5.33	6.32
Trichloroethene	76.2	< 0.06
Chloroform	< 0.08	< 0.08
Vinyl Chloride	17.8	< 0.1
m + p-xylenes	1240	1.94
o-xylene	398	0.76

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
Surface & Ambient Air Samples received on December 16, 1992

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR166	3.74	3.70	3.72	0.54
	VR231	6.26	6.10	6.18	1.3
TGNMO	VR166	1.70	1.50	1.60	6.2
	VR231	1.17	1.18	1.17	0.42
		(Concentration in ppb, v/v)			
Acetonitrile	VR155	1.82	1.90	1.86	2.1
	VR233	< 0.8	< 0.8	---	---
Benzene	VR155	38.5	43.4	41.0	6.0
	VR166	2.59	2.23	2.41	7.5
	VR231	1.70	1.67	1.68	0.89
	VR230	0.53	0.45	0.49	8.2
Benzylchloride	VR155	< 0.8	< 0.8	---	---
	VR233	< 0.8	< 0.8	---	---
Chlorobenzene	VR166	< 0.1	< 0.1	---	---
	VR231	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR233	< 1.1	< 1.1	---	---
	VR234	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR155	16.3	16.2	16.2	0.31
	VR233	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR155	9.84	9.87	9.86	0.15
	VR233	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR166	< 0.1	< 0.1	---	---
	VR230	< 0.1	< 0.1	---	---
Dichloromethane	VR155	150	144	147	2.0
	VR231	2.49	2.56	2.52	1.4
Perchloroethene	VR155	136	133	134	1.1
	VR231	0.28	0.27	0.28	1.8

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)			
Carbon Tetrachloride	VR231	0.11	0.11	0.11	0.0
Toluene	VR155	2490	2660	2580	3.3
	VR166	7.37	6.80	7.08	4.0
	VR231	4.13	4.30	4.22	2.0
	VR230	1.47	1.45	1.46	0.68
1,1,1-trichloroethane	VR155	5.37	5.29	5.33	1.1
	VR231	10.2	10.4	10.3	0.97
Trichloroethene	VR155	77.2	75.2	76.2	1.3
	VR231	<0.06	<0.06	---	---
Chloroform	VR231	<0.08	<0.08	---	---
Vinyl Chloride	VR155	17.4	18.3	17.8	2.5
	VR166	<0.1	<0.1	---	---
	VR230	<0.1	<0.1	---	---
m + p-xylenes	VR155	1210	1260	1240	2.0
	VR166	2.00	1.88	1.94	3.1
	VR231	1.23	1.29	1.26	2.4
o-xylene	VR155	394	403	398	1.1
	VR166	0.84	0.69	0.76	9.8
	VR231	1.58	1.67	1.62	2.8

A set of 7 Tedlar bag samples laboratory numbers, 93512-(34-40) was analyzed for SCAQMD 1150.1 components, 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 29 repeat measurements from the sample set of 7 Tedlar bag samples is 2.6%.

QUALITY ASSURANCE SUMMARY

(Repeat Analysis)

(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Perchloroethene	VR173	2580	2650	2620	1.3
	VR179	9750	10700	10200	4.6
Carbon Tetrachloride	VR173	< 5	< 5	---	---
	VR179	< 5	< 5	---	---
Toluene	VR173	26.1	26.1	26.1	0.0
	VR179	73700	82600	78200	5.7
1,1,1-trichloroethane	VR173	543	553	548	0.91
	VR179	358	384	371	3.5
Trichloroethene	VR173	501	524	512	2.2
	VR179	4600	5130	4860	5.4
Chloroform	VR173	33.4	31.6	32.5	2.8
	VR179	8.58	13.1	10.8	21
Vinyl Chloride	VR173	4050	4020	4040	0.37
m + p-xylenes	VR173	93.7	94.5	94.1	0.42
	VR179	26200	29200	27700	5.4
o-xylene	VR173	20.9	20.2	20.6	1.7
	VR179	9030	9960	9500	4.9
Freon-12	VR179	7720	8050	7860	1.8
	VR173	4560	5140	4850	6.0

A set of 2 Tedlar bag samples laboratory numbers, 93462-16 &17 was analyzed for SCAQMD Rule 1150.1 components, permanent gases, 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 35 repeat measurements from the sample set of 2 Tedlar bag samples is 3.8%.

AtmAA Inc.
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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: December 15, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: December 11, 1992
Date Analyzed: December 11, 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)
93462-17	VR179	44.8	46.5

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Land fill

Sampler: (Signature) [illegible]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Permanent Gases	H_2S	Dichlorodifluoromethane					Field Comments	Lab* Comments
				Analyses						Field Testing				
VR 173	12/10/92	17:12	Probe W 10-m	✓	✓	✓							93462-16	
VR 179	12/11/92	10:10	LFG	✓	✓	✓	✓	✓					-17	

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[illegible]	12/11/92	10:42			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
			Kaun Porter	12/11/92	10:42

* 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

DEC 28 1992
VALLEY RECLAMATION

December 23, 1992

LTR/530/92
8000

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for seven Tedlar bag samples received on December 16, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, 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: December 23, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: December 16, 1992
Date Analyzed: December 16, & 17, 1992

AtmAA Lab No.:	93512-36	93512-37	93512-38	93512-39	93512-40
Sample I.D.:	VR231	VR233	VR234	VR232	VR230
	A.A. 24hr	A.A. 24hr	A.A. < 24hr	A.A. < 24hr	A.A. < 24hr
	UP wind	D. wind	Up wind	D. wind dup	D. wind
Components:	(Concentration in ppm, v/v)				
Methane	6.18	2.72	1.65	4.10	15.2
TGNMO	1.17	< 1	< 1	< 1	1.07
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.68	1.57	0.58	0.44	0.49
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	2.52	0.87	0.23	0.29	0.27
Perchloroethene	0.28	0.51	< 0.1	< 0.1	< 0.1
Carbon Tetrachloride	0.11	0.12	0.11	0.11	0.11
Toluene	4.22	4.52	2.85	1.32	1.46
1,1,1-trichloroethane	10.3	3.58	0.52	0.82	0.80
Trichloroethene	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	1.26	1.39	0.46	0.48	0.52
o-xylene	1.62	2.03	3.16	0.77	0.82

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

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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date:	December 23, 1992
P.O. No.:	8146351-01
Site:	Bradley Landfill
Date Received:	December 16, 1992
Date Analyzed:	December 16, & 17, 1992

AtmAA Lab No.:	93512-34	93512-35
Sample I.D.:	VR155	VR166
	ISS	ISS
	Grid #1	Grid #7
Components:	(Concentration in ppm, v/v)	
Methane	19.4	3.72
TGNMO	55.3	1.60
	(Concentration in ppb, v/v)	
Acetonitrile	1.86	< 0.8
Benzene	41.0	2.41
Benzylchloride	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	< 1.1
1,1-dichloroethane	16.2	< 0.4
1,2-dichloroethane	9.86	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1
Dichloromethane	147	2.52
Perchloroethene	134	0.40
Carbon Tetrachloride	0.12	0.10
Toluene	2580	7.08
1,1,1-trichloroethane	5.33	6.32
Trichloroethene	76.2	< 0.06
Chloroform	< 0.08	< 0.08
Vinyl Chloride	17.8	< 0.1
m + p-xylenes	1240	1.94
o-xylene	398	0.76

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
Surface & Ambient Air Samples received on December 16, 1992

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR166	3.74	3.70	3.72	0.54
	VR231	6.26	6.10	6.18	1.3
TGNMO	VR166	1.70	1.50	1.60	6.2
	VR231	1.17	1.18	1.17	0.42
		(Concentration in ppb, v/v)			
Acetonitrile	VR155	1.82	1.90	1.86	2.1
	VR233	<0.8	<0.8	---	---
Benzene	VR155	38.5	43.4	41.0	6.0
	VR166	2.59	2.23	2.41	7.5
	VR231	1.70	1.67	1.68	0.89
	VR230	0.53	0.45	0.49	8.2
Benzylchloride	VR155	<0.8	<0.8	---	---
	VR233	<0.8	<0.8	---	---
Chlorobenzene	VR166	<0.1	<0.1	---	---
	VR231	<0.1	<0.1	---	---
Dichlorobenzenes*	VR233	<1.1	<1.1	---	---
	VR234	<1.1	<1.1	---	---
1,1-dichloroethane	VR155	16.3	16.2	16.2	0.31
	VR233	<0.4	<0.4	---	---
1,2-dichloroethane	VR155	9.84	9.87	9.86	0.15
	VR233	<0.2	<0.2	---	---
1,1-dichloroethylene	VR166	<0.1	<0.1	---	---
	VR230	<0.1	<0.1	---	---
Dichloromethane	VR155	150	144	147	2.0
	VR231	2.49	2.56	2.52	1.4
Perchloroethene	VR155	136	133	134	1.1
	VR231	0.28	0.27	0.28	1.8

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)			
Carbon Tetrachloride	VR231	0.11	0.11	0.11	0.0
Toluene	VR155	2490	2660	2580	3.3
	VR166	7.37	6.80	7.08	4.0
	VR231	4.13	4.30	4.22	2.0
	VR230	1.47	1.45	1.46	0.68
1,1,1-trichloroethane	VR155	5.37	5.29	5.33	1.1
	VR231	10.2	10.4	10.3	0.97
Trichloroethene	VR155	77.2	75.2	76.2	1.3
	VR231	< 0.06	< 0.06	---	---
Chloroform	VR231	< 0.08	< 0.08	---	---
Vinyl Chloride	VR155	17.4	18.3	17.8	2.5
	VR166	< 0.1	< 0.1	---	---
	VR230	< 0.1	< 0.1	---	---
m + p-xylenes	VR155	1210	1260	1240	2.0
	VR166	2.00	1.88	1.94	3.1
	VR231	1.23	1.29	1.26	2.4
o-xylene	VR155	394	403	398	1.1
	VR166	0.84	0.69	0.76	9.8
	VR231	1.58	1.67	1.62	2.8

A set of 7 Tedlar bag samples laboratory numbers, 93512-(34-40) was analyzed for SCAQMD 1150.1 components, 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 29 repeat measurements from the sample set of 7 Tedlar bag samples is 2.6%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	Analyses: Methane	Analyses: TGNMO	Analyses: 1150.1 Air Toxics				Field Testing			Field Comments	Lab* Comments
VR155	12/16/92	07:20	ISS - Grid #1	✓	✓	✓								93512-34
VR166	12/16/92	08:39	ISS Grid #7	✓	✓	✓								-35
VR231	12/16/92	11:00	AA 24hr UW	✓	✓	✓								-36
VR233	12/16/92	11:00	AA 24hr DW	✓	✓	✓								-37
VR234	12/16/92	06:00	AA <24hr UW	✓	✓	✓								-38
VR232	12/16/92	06:00	AA <24hr DW Dup	✓	✓	✓								-39
VR230	12/16/92	06:00	AA <24hr DW	✓	✓	✓								-40

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[signature]	12/16/92	14:06	[signature]	12/16/92	1406
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

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 10/1/92 START TIME: 13:30 FINISH TIME: 14:35

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.01	Ø								
E-2S	0.00	0.3								
E-2M	0.04	Ø								
E-2D	0.18	Ø								
E-3	0.01	Ø								
E-4	0.00	Ø								
E-5S	0.00	Ø								
E-5M	0.16	0.2								
E-5D	0.02	Ø								
E-6	0.12	0.2								
E-7	0.12	0.2								
E-8S	0.09	Ø								
E-8M	0.20	0.1								
E-8D	0.03	0.2								
E-9	0.10	Ø								
E-10	0.09	Ø								
E-11S	0.1	22.0	34	108°	+.06	11	.37	23.7	41.9	ΔP 1.5
E-11M	0.25	0.1	37					OPENED @		ΔP .5
E-11D	0.37	0.1								
E-12	0.20	Ø								
E-13										
E-14S	0.13	Ø								
E-14M	0.10	Ø								
E-14D	0.34	Ø								

COMMENTS: * Quick Connect Broken

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): _____
BAROMETRIC (after): 29.8

BY: R. Johnson DATE 10/1/92 START TIME: 14:35 FINISH TIME: 15:50

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.09	0								
W-1M	0.21	0								
W-1D	0.41	0								
W-2A	0.08	0								
W-2B	0.20	0								
W-3S	0.11	0								
W-3M	0.29	0								
W-3D	0.48	0								
W-4	0.14	0								
W-5S	0.09	0								
W-5M	0.23	0								
W-5D	0.49	0								
W-6	0.20	0								
W-7S	0.09	0								
W-7M	0.29	0.2								
W-7D	0.53	0.3								
W-8	0.09	0								
W-9A	0.08	0								
W-9B	0.18	0								
W-10S	0.07	0								
W-10M	0.71	12.0								
W-10D	0.22	0								
W-11	0.08	0								
W-12S	0.04	0								
W-12M	0.21	0								
W-12D	0.82	0								
W-13	0.11	0.2								
W-14S	0.04	0								
W-14M	0.15	0								
W-14D	0.61	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.91
BAROMETRIC (after): _____

BY: R. Johnson DATE 10/7/92 START TIME: _____ FINISH TIME: _____

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.08	0								
W-1M	0.15	0								
W-1D	0.27	0								
W-2A	0.02	0								
W-2B	0.16	0								
W-3S	0.08	0								
W-3M	0.17	0								
W-3D	0.33	0								
W-4	0.17	0								
W-5S	0.6	0								
W-5M	0.15	0								
W-5D	0.27	0								
W-6	0.16	0								
W-7S	0.09	0								
W-7M	0.20	0.1								
W-7D	0.29	0								
W-8	0.17	0								
W-9A	0.04	0								
W-9B	0.12	0								
W-10S	0.04	0								
W-10M	0.39	0								
W-10D	0.10	0								
W-11	0.02	0								
W-12S	0.00	0								
W-12M	0.05	0								
W-12D	0.36	0								
W-13	0.02	0.3								
W-14S	0.00	0								
W-14M	0.02	0								
W-14D	0.24	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R. Johnson DATE 10/7/92 START TIME: 14:15 FINISH TIME: 15:10

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.01	Ø								
E-2S	0.01	Ø								
E-2M	0.00	Ø								
E-2D	0.17	Ø								
E-3	0.01	Ø								
E-4	0.00	Ø								
E-5S	0.00	Ø								
E-5M	0.10	Ø								
E-5D	0.01	Ø								
E-6	0.08	Ø								
E-7	0.07	Ø								
E-8S	0.06	Ø								
E-8M	0.11	Ø								
E-8D	0.01	Ø								
E-9	0.09	Ø								
E-10	0.05	Ø								
E-11S	0.07	9.0								
E-11M	0.08	Ø								
E-11D	0.26	Ø								
E-12	0.10	Ø								
⊗ E-13										
E-14S	0.06	Ø								
E-14M	0.05	Ø								
E-14D	0.18	Ø								

COMMENTS: ⊗ Damaged - Quick connect broken

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
F. KIESLER
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal

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

BAROMETRIC (before): 30.05
BAROMETRIC (after): 30.02

EMD Techs

BY: D. Hansen DATE: 10/15/91 START TIME: 1440 FINISH TIME: 1550

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.0								
E-2S	Ø	0.0								
E-2M	Ø	+.01								
E-2D	Ø	+.10								
E-3	Ø	+.01								
E-4	Ø	+.02								
E-5S	Ø	+.01								
E-5M	Ø	+.09								
E-5D	Ø	0.0								
E-6	Ø	[illegible]								
E-7	Ø	+.03								
E-8S	Ø	+.02								
E-8M	Ø	+.05								
E-8D	Ø	0.0								
E-9	Ø	+.02								
E-10	Ø	+.02								
E-11S	Ø	+.02								
E-11M	Ø	+.03								
E-11D	Ø	+.20								
E-12	Ø	+.01								
* E-13										
E-14S	Ø	0.0								
E-14M	Ø	0.0								
E-14D	Ø	+.07								

COMMENTS: * Replaced broken quick connect

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): 29.99
BAROMETRIC (after): _____

BY: D. Hanson DATE: 10/23/98 START TIME: 1440 FINISH TIME: 1604

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+.10								
W-1M	Ø	+.24								
W-1D	Ø	+.57								
W-2A	Ø	+.13								
[illegible]										
W-3S	Ø	+.11								
W-3M	Ø	+.30								
W-3D	Ø	+.61								
W-4	Ø	+.14								
W-5S	Ø	+.07								
W-5M	Ø	+.16								
W-5D	Ø	+.54								
W-6	Ø	+.07								
W-7S	Ø	+.01								
W-7M	Ø	+.06								
W-7D	Ø	+.37								
W-8	Ø	+.07								
W-9A	Ø	+.04								
W-9B	Ø	0.0								
W-10S	Ø	+.05								
W-10M	29	+.43		Placed well 11.94 on line DP 4						
W-10D	Ø	+.14								
W-11										
W-12S										
W-12M										
W-12D										
W-13										
W-14S										
W-14M										
W-14D										

Valley Reclamation
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(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): [illegible]
BAROMETRIC (after): [illegible]

BY: D. Hansen DATE: 6/23/92 START TIME: 1320 FINISH TIME: 1423

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.0								
E-2S	Ø	+.02								
E-2M	Ø	+.01								
[illegible]	[illegible]	[illegible]								
[illegible]	Ø	[illegible]								
E-4	Ø	0.0								
E-5S	Ø	+.01								
E-5M	Ø	[illegible]								
E-5D	Ø	[illegible]								
E-6	Ø	+.07								
E-7	Ø	+.09								
E-8S	Ø	+.05								
E-8M	Ø	+.13								
E-8D	[illegible]	[illegible]								
E-9	Ø	+.09								
E-10	Ø	+.09								
E-11S	Ø	+.11								
E-11M	Ø	+.14								
E-11D	Ø	+.79								
E-12	Ø	+.20								
E-13	Ø	+.01								
E-14S	Ø	+.15								
E-14M	Ø	+.11								
E-14D	[illegible]	[illegible]								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: R. Johnson DATE 10/29/92 START TIME: 14:20 FINISH TIME: 15:30

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

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): _____
BAROMETRIC (after): 29.85

BY: R. Johnson DATE 10/29/92 START TIME: 15:30 FINISH TIME: 16:22

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	-0.02	0								
W-1M	-0.06	0								
W-1D	-0.06	0								
W-2A	-0.02	0								
W-2B	-0.04	0								
W-3S	-0.03	0								
W-3M	-0.02	0								
W-3D	-0.03	0								
W-4	-0.04	0								
W-5S	+0.03	0								
W-5M	+0.01	0								
W-5D	-0.07	0								
W-6	+0.04	0								
W-7S	0.00	0								
W-7M	+0.03	0								
W-7D	-0.06	0								
W-8	0.00	0								
W-9A	+0.02	0								
W-9B	+0.02	0								
W-10S	+0.03	0								
W-10M	+0.06	0								
W-10D	+0.04	0								
W-11	0.00	0								
W-12S	0.00	0								
W-12M	+0.02	0								
W-12D	+0.03	0								
W-13	+0.02	0.2								
W-14S	0.00	0								
W-14M	0.00	0								
W-14D	+0.03	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.03

BY: R. Johnson DATE 11/4/92 START TIME: 13:45 FINISH TIME: 16:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	0.1								
E-2S	0.00	0.1								
E-2M	0.76	0.0								
E-2D	0.34	0.2								
E-3	0.00	0.0								
E-4	-0.03	0.0								
E-5S	0.04	0.0								
E-5M	0.14	0.0								
E-5D	0.05	0.0								
E-6	-0.36	0.0								
E-7	0.05	0.2								
E-8S	-0.58	0.0								
E-8M	-0.48	0.0								
E-8D	-2.10	0.1								
E-9	0.08	0.0								
E-10	0.77	0.0								
E-11S	0.80	0.0								
E-11M	0.03	0.0								
E-11D	0.31	0.0								
E-12	0.01	0.0								
E-13	0.04	0.0								
E-14S	0.03	0.0								
E-14M	0.03	0.0								
E-14D	0.18	0.0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.03

BY: R Johnson DATE 11/4/92 START TIME: 13:45 FINISH TIME: 16:45

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.10	0.0								
W-1M	0.25	0.0								
W-1D	0.47	0.0								
W-2A	0.08	0.0								
W-2B	0.14	0.0								
W-3S	0.10	0.0								
W-3M	0.22	0.0								
W-3D	0.46	0.0								
W-4	0.13	0.1								
W-5S	0.04	0.0								
W-5M	0.15	0.0								
W-5D	0.38	0.0								
W-6	0.15	0.0								
W-7S	0.08	0.1								
W-7M	0.24	0.1								
W-7D	0.42	0.2								
W-8	0.08	0.1								
W-9A	0.08	0.0								
W-9B	0.10	0.0								
W-10S	0.06	0.0								
W-10M	0.53	0.0								
W-10D	0.17	0.0								
W-11	0.08	0.0								
W-12S	0.01	0.0								
W-12M	0.08	0.0								
W-12D	0.48	0.0								
W-13	0.06	0.2								
W-14S	-0.03	0.0								
W-14M	0.00	0.0								
W-14D	0.26	0.0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.12

BY: R Johnson DATE 11/11/92 START TIME: 13:40 FINISH TIME: 15:00

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	0								
E-2S	0.00	0								
E-2M	0.04	0								
E-2D	0.22	0								
E-3	0.00	0								
E-4	0.00	0								
E-5S	0.03	0								
E-5M	0.10	0								
E-5D	0.03	0								
E-6	0.06	0								
E-7	0.03	0								
E-8S	0.04	0								
E-8M	0.09	0								
E-8D	0.01	0								
E-9	0.05	0								
E-10	0.05	0								
E-11S	0.29	0								
E-11M	0.10	0								
E-11D	0.48	0								
E-12	0.10	0								
E-13	0.00	0								
E-14S	0.06	0								
E-14M	0.05	0								
E-14D	0.39	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.12

BY: R. Johnson DATE 11/11/92 START TIME: 15:00 FINISH TIME: 16:06

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.06	Ø								
W-1M	0.15	Ø								
W-1D	0.29	Ø								
W-2A	0.07	Ø								
W-2B	0.14	Ø								
W-3S	0.08	Ø								
W-3M	0.17	Ø								
W-3D	0.34	Ø								
W-4	0.10	Ø								
W-5S	0.04	Ø								
W-5M	0.11	Ø								
W-5D	0.26	0.1								
W-6	0.18	Ø								
W-7S	0.04	Ø								
W-7M	0.14	Ø								
W-7D	0.25	0.5								
W-8	0.03	Ø								
W-9A	0.02	Ø								
W-9B	0.07	Ø								
W-10S	0.02	Ø								
W-10M	0.28	Ø								
W-10D	0.06	Ø								
W-11	0.03	Ø								
W-12S	0.01	Ø								
W-12M	0.05	Ø								
W-12D	0.26	Ø								
W-13	0.02	0.2								
W-14S	0.02	Ø								
W-14M	0.00	Ø								
W-14D	0.12	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.95
BAROMETRIC (after):

BY: D. Hanson DATE Nov. 19, 1992 START TIME: 1450 FINISH TIME: 1615

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	[illegible]	Ø	[illegible]							
E-2S	.00	Ø	[illegible]							
E-2M	+.03	Ø								
E-2D	+.20	Ø								
E-3	+.01	Ø								
E-4	.00	Ø								
E-5S	.00	Ø								
E-5M	+.03	Ø								
E-5D	.00	Ø								
E-6	+.08	Ø								
E-7	+.02	Ø								
E-8S	+.01	Ø								
E-8M	+.03	Ø								
E-8D	.00	Ø								
E-9	+.02	Ø								
E-10	.00	Ø								
E-11S	.00	Ø								
E-11M	.00	Ø								
E-11D	.00	Ø								
E-12	-.02	Ø								
E-13	.00	Ø								
E-14S	-.01	Ø								
E-14M	.00	Ø								
E-14D	+.09	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.92
BAROMETRIC (after): 29.94

BY: D. Hansen DATE 11/20/92 START TIME: 1540 FINISH TIME: 1630

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+.05	Ø								
W-1M	+.11	Ø								
W-1D	+.22	Ø								
W-2A	+.06	Ø								
W-2B	+.12	Ø								
W-3S	+.04	Ø								
W-3M	+.09	Ø								
W-3D	+.23	Ø								
W-4	+.06	Ø								
W-5S	.00	Ø								
W-5M	+.03	Ø								
W-5D	+.12	Ø								
W-6	+.04	Ø								
W-7S	+.01	Ø								
W-7M	+.03	Ø								
W-7D	+.14	Ø								
W-8	.00	Ø								
W-9A	.00	Ø								
W-9B	-.01	Ø								
W-10S	-.01	Ø								
W-10M	+.11	37	94						inc.	DP 16
W-10D	-.08	Ø	95D						once	DP 4
W-11	-.04	Ø	93S						inc.	DP 9
W-12S	-.01	Ø								
W-12M	+.04	Ø								
W-12D	+.08	Ø								
W-13	-.01	Ø								
W-14S	-.02	Ø								
W-14M	-.07	Ø								
W-14D	-.09	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
~~EMD Techs~~

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

BAROMETRIC (before):
BAROMETRIC (after): 29.82

BY: R. Johnson DATE 12/2/92 START TIME: 16:15 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.03	0								
W-1M	0.09	0								
W-1D	0.22	0								
W-2A	0.05	0								
W-2B	0.09	0								
W-3S	0.05	0								
W-3M	0.11	0								
W-3D	0.26	0								
W-4	0.07	0								
W-5S	0.03	0								
W-5M	0.11	0.1								
W-5D	0.28	0								
W-6	0.13	0								
W-7S	0.04	0								
W-7M	0.17	0								
W-7D	0.38	0								
W-8	0.17	0								
W-9A	0.04	0								
W-9B	0.07	0								
W-10S	0.04	0.1								
W-10M	0.57	28.0								
W-10D	0.09	0								
W-11	0.04	0								
W-12S	0.02	0								
W-12M	0.11	0								
W-12D	0.64	0								
W-13	0.05	0								
W-14S	-0.01	0								
W-14M	0.04	0								
W-14D	0.39	0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
~~EMD Techs~~

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

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

BY: R Johnson DATE 12/2/92 START TIME: 1520 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	0								
E-2S	0.00	0								
E-2M	0.02	0								
E-2D	0.22	0								
E-3	0.00	0								
E-4	-0.01	0								
E-5S	0.02	0								
E-5M	0.08	0								
E-5D	0.03	0								
-6	0.04	0								
-7	0.04	0								
E-8S	0.03	0								
E-8M	0.05	0								
E-8D	-0.01	0.1								
E-9	0.04	0								
E-10	0.02	0								
E-11S	-0.01	0								
E-11M	0.01	0								
E-11D	0.54	0								
E-12	-0.02	0								
* E-13	0.07	0								
E-14S	-0.01	0								
E-14M	0.00	0								
E-14D	0.26	0								

COMMENTS: * - Possibly pugged -

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
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P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.99

BY: R. Johnson DATE 12/10/92 START TIME: 16:30 FINISH TIME: 17:40

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.11	0								
W-1M	0.23	0								
W-1D	0.46	0								
W-2A	0.10	0								
W-2B	0.21	0								
W-3S	0.12	0								
W-3M	0.24	0								
W-3D	0.51	0								
W-4	0.10	0								
W-5S	0.5	0								
W-5M	0.18	0								
W-5D	0.59	0								
W-6	0.15	0								
W-7S	0.06	0								
W-7M	0.26	0								
W-7D	0.66	0								
W-8	0.04	0								
W-9A	0.03	0								
W-9B	0.06	0								
W-10S	0.03	0								
W-10M	0.79	31.0								
W-10D	0.10	0.1								
W-11	0.05	0								
W-12S	0.03	0								
W-12M	0.13	0								
W-12D	0.83	0								
W-13	0.03	0								
W-14S	0.00	0								
W-14M	0.03	0								
W-14D	0.42	0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 12/10/92 START TIME: 14:40 FINISH TIME: 16:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	1.66	0								
E-2S	0.00	0								
* E-2M	4.64	*								
E-2D	0.11	0								
*? E-3	3.55	0								
E-4	0.82	0								
E-5S	-5.17	0								
E-5M	0.11	0								
E-5D	-0.51	0								
E-6	0.65	0								
E-7	Flooded.									
E-8S	-0.21	0								
E-8M	-0.25	0								
E-8D	1.81	0								
?E-9	0.00	0.1								
E-10	-0.30	0								
E-11S	0.04	0								
E-11M	0.15	0								
E-11D	1.19	0								
E-12	0.18	0								
E-13	*	0								
E-14S	0.29	0								
E-14M	0.09	0								
E-14D	0.88	0								

COMMENTS: * Plugged.

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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

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

BAROMETRIC (before):
BAROMETRIC (after): 29.91

BY: R Johnson DATE 12/17/92 START TIME: 1615 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.08	0								
W-1M	0.21	0								
W-1D	0.47	0								
W-2A	0.08	0								
W-2B	0.21	0.7								
W-3S	0.15	0								
W-3M	0.30	0.1								
W-3D	0.65	0								
W-4	0.17	0								
W-5S	0.08	0								
W-5M	0.24	0								
W-5D	0.84	0								
W-6	0.24	0.1								
W-7S	0.11	0								
W-7M	0.48	0								
W-7D	1.07	0								
W-8	0.13	0								
W-9A	0.21	0								
W-9B	0.44	0								
W-10S	0.16	0								
W-10M	14.9	20								
W-10D	0.48	0								
W-11	0.12	0								
W-12S	0.08	0								
W-12M	0.33	0								
W-12D	1.57	0								
W-13	0.13	0								
W-14S	0.03	0								
W-14M	0.15	0								
W-14D	0.96	0								

COMMENTS:

Valley Reclamation Co.
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BRADLEY LANDFILL
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D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.91

BY: R. Johnson DATE 12/17/92 START TIME: 14:35 FINISH TIME: 16:05

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	-0.01	0								
E-2S	0.00	0								
E-2M	7.93	*								
E-2D	-5.79	0								
E-3	-0.28	*								
E-4	-3.10	0.1								
E-5S	0.01	0								
E-5M	0.16	0								
E-5D	-6.69	0								
E-6	-0.50	0								
E-7	0.17	0.1								
E-8S	-0.03	0								
E-8M	-0.23	0								
E-8D	-3.50	0								
E-9	0.15	0								
E-10	0.08	0								
E-11S	0.09	0								
E-11M	0.15	0								
E-11D	1.04	0								
E-12	0.19	0								
E-13	0.15	*								
E-14S	0.04	0								
E-14M	0.04	0								
E-14D	0.59	0								

COMMENTS: * Plugged

Valley Reclamation Co.
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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F. Kiesler
B. Austin
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B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 12/23/92 START TIME: 13:35 FINISH TIME: 14:40

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	0.1								
E-2S	0.00	0								
E-2M	0.01	0								
E-2D	-0.56	0								
E-3	0.06	0								
E-4	-0.06	0.2								
E-5S	0.15	0								
E-5M	0.11	0								
E-5D	-3.00	0								
-6	0.03	0.1								
-7	-0.89	0								
E-8S	-0.35	0								
E-8M	-0.17	0								
E-8D	-0.06	0								
E-9	0.02	0								
E-10	0.02	0								
E-11S	0.02	0								
E-11M	0.04	0								
E-11D	0.08	0								
E-12	0.05	0								
E-13	0.00	0								
E-14S	0.02	0								
E-14M	0.03	0								
E-14D	0.20	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.15

BY: R Johnson DATE 12/23/92 START TIME: 1515 FINISH TIME: 1630

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.02	0								
W-1M	0.02	0								
W-1D	0.06	0								
W-2A	0.03	0.1								
W-2B	0.08	8.0								
W-3S	0.03	0								
W-3M	0.07	0								
W-3D	0.13	0								
W-4	0.02	0.1								
W-5S	0.01	0								
W-5M	0.03	0								
W-5D	0.14	0								
W-6	0.06	0.1								
W-7S	0.04	0								
W-7M	0.10	0								
W-7D	0.19	0								
W-8	0.02	0								
W-9A	-0.01	0								
W-9B	-0.01	0								
W-10S	0.01	0.1								
W-10M	0.29	24.0								
W-10D	0.03	0								
W-11	0.02	0								
W-12S	0.02	0								
W-12M	0.06	0.1								
W-12D	0.38	0								
W-13	0.03	0.2								
W-14S	0.01	0								
W-14M	0.02	0								
W-14D	0.20	0								

COMMENTS:

Valley Reclamation Co.
9227 [illegible] .nga Avenue
Sun Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 30.14
BAROMETRIC (after): 30.11

BY: D. Hansen DATE 12/30/92 START TIME: 1330 FINISH TIME: 1500

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+.10	Ø								
W-1M	+.18	Ø								
W-1D	+.38	Ø								
W-2A	+.10	Ø								
W-2B	+.16	Ø								
W-3S	+.15	Ø								
W-3M	+.28	Ø								
W-3D	+.45	Ø								
W-4	+.17	Ø								
W-5S	+.06	Ø								
W-5M	+.16	Ø								
W-5D	+.36	Ø								
W-6	+.18	Ø								
W-7S	+.09	Ø								
W-7M	+.23	Ø								
W-7D	+.33	Ø								
W-8	+.04	Ø								
W-9A	+.03	Ø								
W-9B	+.09	Ø								
W-10S	+.03	Ø								
W-10M	+.36	Ø								
W-10D	+.09	Ø								
W-11	+.0[illegible]	Ø								
W-12S	+.02	Ø								
W-12M	+.09	Ø								
W-12D	+.42	Ø								
W-13	+.05	Ø								
W-14S	+.50	Ø								
W-14M	+.01	Ø								
W-14D	+.24	Ø								

COMMENTS: no adjustments made

Valley Reclamation Co.
[illegible] Tujunga Avenue,
[illegible] Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 30.05
BAROMETRIC (after): 30.02

BY: D. Hanson DATE 12/31/92 START TIME: 1320 FINISH TIME: 1720

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	-.06	Ø								
E-2S	-.21	Ø								
E-2M	-.11	Ø								
E-2D	-.08	Ø								
E-3	-.06	Ø								
E-4	-.06	Ø								
E-5S	-2.13	Ø								
E-5M	-.05	Ø								
E-5D	-.19									
E-6	-.12	Ø								
E-7	-1.98	Ø								
E-8S	-.01	Ø								
E-8M	-.02	Ø								
E-8D	-.03	Ø								
* E-9										
E-10	-.38	Ø								
E-11S	+.08	Ø								
E-11M	+.12	Ø								
E-11D	+.58	Ø								
E-12	+.12	Ø								
† E-13										
E-14S	-.23	Ø								
E-14M	-.21	Ø								
E-14D	-.11	Ø								

COMMENTS: * under water 2'

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AIR EMISSIONS MONITORING REPORT

FIRST QUARTER 1993

Valley Reclamation Company
Bradley Landfill & Recycling Center
9081Tujunga Avenue, 2nd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

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May 13, 1993

Mr. Joe Tramma
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, California 91765-4182

RE: SCAQMD RULE 1150.1 - FIRST QUARTER 1993 MONITORING REPORT BRADLEY LANDFILL & RECYCLING CENTER

Dear Mr. Tramma:

Enclosed herewith please find Waste Management Disposal Services, Inc.'s, First Quarter 1993, 1150.1 Monitoring Report. 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 contact me at the number listed above should you have any questions.

Sincerely,

Frank Kiesler
Environmental Engineer

FK:rg
Enclosures

cc: Mike McKee
David Thompson
Deanna Nichols (w/o Attachments)
f:backup\Riel\airrept.let

LANDFILL AIR EMISSIONS MONITORING

REPORT

BRADLEY LANDFILL AND RECYCLING CENTER

FIRST QUARTER 1993

MAY 1993

Prepared by:

Waste Management Disposal Services of California Inc.
9081 Tujunga Ave.
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 first quarter of 1993 (January, February and March 1993) 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 Waste Management Disposal Services of California Inc. (formerly 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 first quarter of 1993 (January, February and March 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, 1993), 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 portion of the Los Angeles metropolitan area. The landfill is owned and operated by WMDSC, Inc. (formerly Valley Reclamation Company) and was formerly utilized as a sand and gravel pit 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 the vicinity of Sump 6, of Bradley West Extension.

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 (PLES). 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. All sampling was performed, 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, presented in Appendix A, show the instantaneous surface sweep locations.

Any detections of total organic compounds in excess of 500 parts per million (ppm) are marked on the grid site map (Appendix A) giving location and concentration. Any total organic compound 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 are positioned up and downwind of the site. 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. During each month, 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 the onsite meteorological station; this data is summarized in Appendix B. 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 between 10:00 a.m. and 11:00 a.m. the following day. The less-than-24-hour samplers were programmed to sample during the peak air 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 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. The majority of the ISS grids were 100 ft. by 500 ft., 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 maximum and 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.

Integrated Surface Samples (ISS) were not obtained due to unsuitable weather conditions for sampling throughout the month of February.

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 gas 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 meter 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. A dedicated pump was used to direct the gas 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 January, February and March 1993. Grid maps showing the landfill areas surveyed and locations of notable emissions (i.e., greater than 500 ppm total organic compounds as methane) are included in Appendix A. There were no detections of total organic compounds as methane above 500 ppm during the months of January and February. However, during the month of March, there was a detection greater than 500 ppm. Additional cover soil was added and compacted to eliminate this source (see Appendix A for more details).

3.2 INTEGRATED SURFACE SAMPLING

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

January	16 ISS grids
February	0 ISS grids
March	12 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, with the exception of February, two samples were selected for laboratory testing. No ISS samples were collected during the month of February, due to a series of rain storms creating unfavorable sampling conditions. 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 in 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. Duplicate (co-located) samples were obtained at the downwind, less-than-24-hour sample location (the point of maximum expected contaminant concentrations). Table 4 summarizes the co-located 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. No significant differences were noted in organic concentrations between the original and co-located samples. Analytical results are presented in Appendix E.

3.4 INTERNAL LANDFILL GAS SAMPLING

Sample results for the internal landfill gas samples collected in January, February and March 1993 are summarized in Table 5. The complete laboratory results are 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 in Appendix F. Perimeter probe gas samples were collected and 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 %
January	W-10D	12
	W-9B	7
	E-8D	12
February	E-8D	11
March	W-10D	7
	E-8D	10

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 outlined 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 co-located ambient air samples (see Section 3.3).

- Regular service checks and calibration of all field equipment.

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

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, March, 1993.

TABLE 1
INTEGRATED SURFACE SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	January VR216 Grid #4	January VR224 Grid #11	February VR204 Grid #3	February VR210 Grid #12
Total methane	1.0ppm	7.62 ppm	4.62 ppm	2.52 ppm	3.20 ppm
TGNMO	1.0ppm	2.18 ppm	1.67 ppm	2.10 ppm	1.30 ppm
		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND
Benzene	0.1	2.44	1.44	4.74	1.92
Benzyl Chloride	0.8	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND
1,1–Dichloroethane	0.4	ND	ND	ND	ND
1,2–Dichloroethane	0.2	ND	ND	ND	ND
1,1–Dichloroethene	0.1	ND	ND	ND	ND
Dichloromethane	0.2	1.55	0.94	1.00	0.44
Perchloroethene	0.1	ND	ND	0.36	0.08
Carbon Tetrachloride	0.06	0.11	0.11	0.14	0.14
Toluene	0.1	7.88	6.94	11.4	4.39
1,1,1–Trichloroethane	0.06	13.8	1.42	16.1	5.83
Trichloroethene	0.06	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND
m+p–Xylenes	0.4	2.60	1.50	5.26	1.90
o–Xylenes	0.2	1.13	0.56	1.94	0.88

NOTES
ND = not detected

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

Compounds	Detection limits	January Upwind VR237	January Downwind VR239	February Downwind VR242	March Upwind VR254	March Downwind VR251
Total methane	1.0ppm	1.90ppm	3.18 ppm	26.0ppm	3.86ppm	8.86ppm
TGNMO	1.0ppm	1.28ppm	1.01 ppm	1.37ppm	1.90ppm	1.74ppm
		(ppb)		(ppb)	(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND
Benzene	0.1	0.51	0.34	0.66	1.73	1.56
Benzyl Chloride	0.8	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND
1,1–Dichloroethane	0.4	ND	ND	ND	ND	ND
1,2–Dichloroethane	0.2	ND	ND	ND	ND	ND
1,1–Dichloroethene	0.1	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.21	0.31	0.36	0.78	0.56
Perchloroethene	0.1	ND	ND	ND	0.23	0.25
Carbon Tetrachloride	0.06	0.10	0.11	0.12	0.099	0.098
Toluene	0.1	1.80	1.14	1.60	4.33	4.37
1,1,1–Trichloroethane	0.06	0.58	1.02	0.50	1.69	1.78
Trichloroethene	0.06	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	0.58	0.38	0.70	1.69	1.99
o–Xylenes	0.2	0.29	ND	0.14	0.39	0.53

NOTES
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	January Upwind VR238	January Downwind VR236	February Upwind VR241	February Downwind VR243	March Upwind VR252	March Downwind VR250
Total methane	1.0ppm	8.25ppm	1.90 ppm	121ppm	2.01 ppm	8.07ppm	3.50ppm
TGNMO	1.0ppm	1.16ppm	1.29 ppm	1.55ppm	1.88ppm	1.83ppm	1.71ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	0.66	1.17	0.74	0.77	2.25	1.72
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1–Dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2–Dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1–Dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.67	0.41	0.23	0.26	0.86	0.42
Perchloroethene	0.1	0.13	0.12	ND	ND	0.37	0.32
Carbon Tetrachloride	0.06	0.094	0.11	0.11	0.12	0.10	0.097
Toluene	0.1	2.32	3.72	1.51	2.05	4.62	5.54
1,1,1–Trichloroethane	0.06	1.84	3.14	0.40	0.48	2.33	3.00
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	0.67	1.67	0.68	0.92	2.34	2.05
o–Xylenes	0.2	0.35	0.70	0.23	0.29	0.66	0.70

NOTES
ND = not detected

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

Compounds	Detection limits	January Co–located VR235	January Downwind VR239	February Co–located VR240	February Downwind VR242	March Co–located VR253	March Downwind VR251
Total methane	1.0ppm	2.95ppm	3.18 ppm	5.74ppm	26.0ppm	5.01ppm	8.86ppm
TGNMO	1.0ppm	1.14ppm	1.01 ppm	<1.0ppm	1.37ppm	1.67ppm	1.74ppm
		ppb		ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	0.37	0.34	0.79	0.66	1.16	1.56
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	0.36	0.31	0.40	0.36	0.46	0.56
Perchloroethene	0.1	ND	ND	ND	ND	0.26	0.25
Carbon Tetrachloride	0.06	0.11	0.11	0.12	0.12	0.10	0.098
Toluene	0.1	1.08	1.14	1.54	1.60	3.86	4.37
1,1,1–Trichloroethane	0.06	1.09	1.02	0.51	0.50	1.78	1.78
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	0.45	0.38	0.68	0.70	1.76	1.99
o–Xylenes	0.2	ND	ND	0.14	0.14	0.72	0.53

NOTES:
ND = not Detected

TABLE 5

Internal Gas Samples – Analytical Results

Component	Detection limits	January VR166	February VR183	March VR179
	(ppm V/V)			
Hydrogen Sulfide	1.0	50.0	45.4	45.0
TGNMO in ppm	0.5	4780	4940	5060
	(percentage V/V)			
Methane	0.2%	43.5	42.1	41.8
Carbon Dioxide	0.2%	40.4	39.2	38.5
Oxygen	0.2%	ND	0.88	1.35
Nitrogen	0.2%	16.5	16.8	18.3
	(ppb V/V)			
Acetonitrile	5.0	234	159	226
Benzene	50	2480	2040	1920
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	1220	997	1560
Dichlorobenzene	100	1380	985	1850
1,1–Dichloroethane	100	4880	5160	4920
1,2–Dichloroethane	20	429	756	448
1,1–Dichloroethene	30	446	396	344
Dichloromethane	15	6360	8710	6360
Perchloroethene	2	17700	13000	10500
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	105000	82500	101000
1,1,1–Trichloroethane	5	52.2	134	38.2
Trichloroethene	4	4760	4520	4490
Chloroform	2	ND	ND	ND
Vinyl Chloride	20	3740	2780	3090
m+p–Xylenes	100	33600	28900	48300
o–Xylenes	60	11100	8700	13000
Freon–11	10	256	581	172
Freon–12	10	6000	6570	5150

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

APPENDIX A

INSTANTANEOUS SURFACE SWEEP SITE MAP

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).

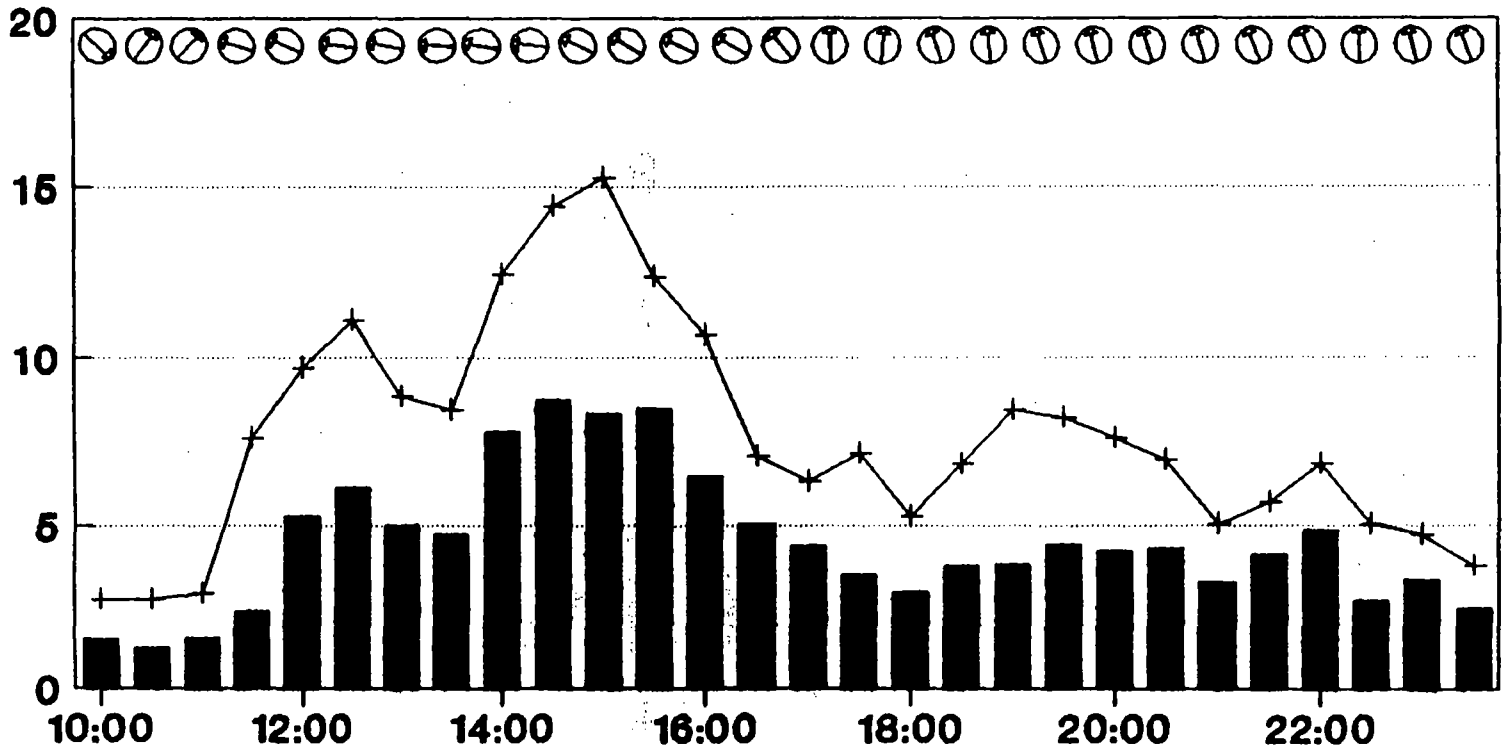
12 TO 14 OF 14

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

APPENDIX B

METEOROLOGICAL DATA

Ambient Air Wind Data
January 26, 1993

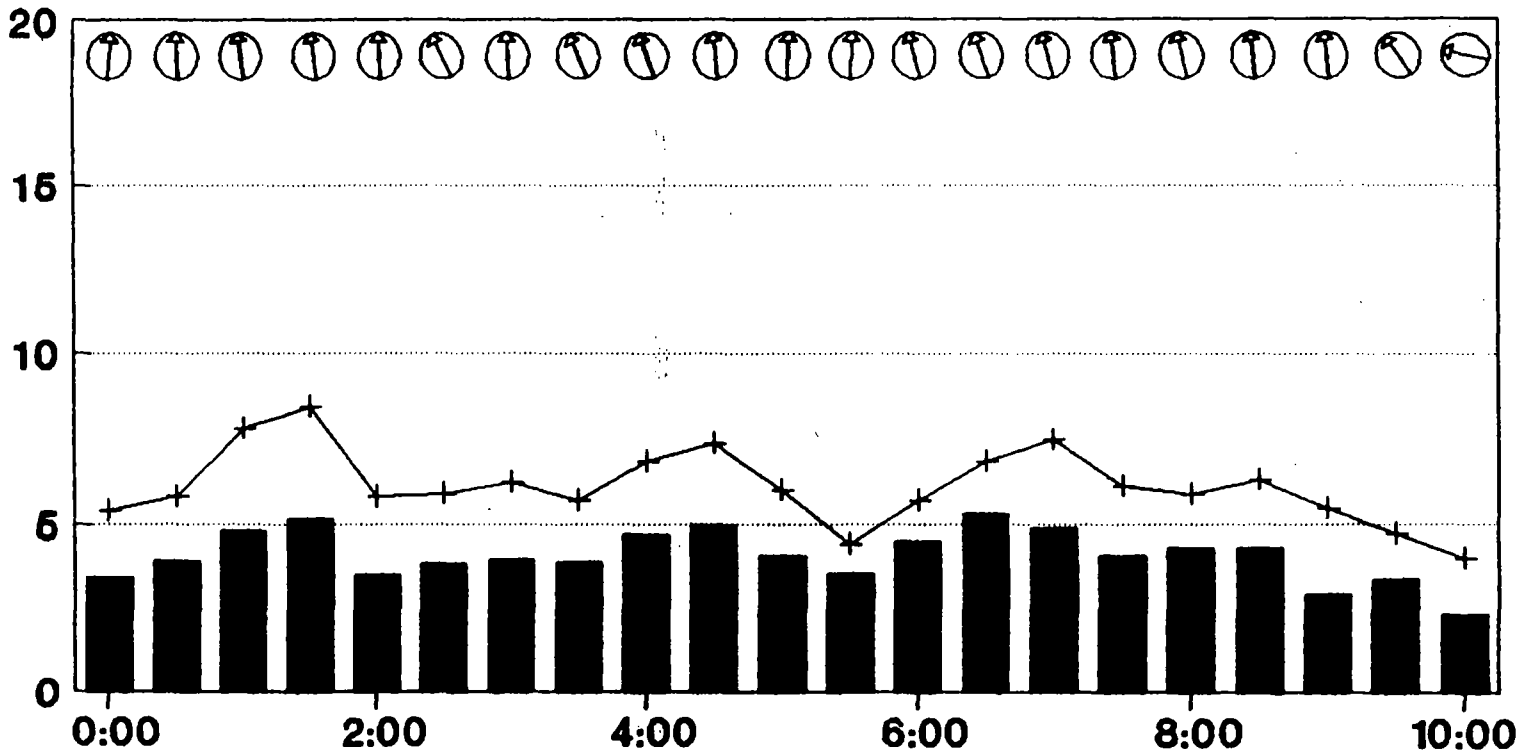


Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

Ambient Air Wind Data
January 27, 1993



Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

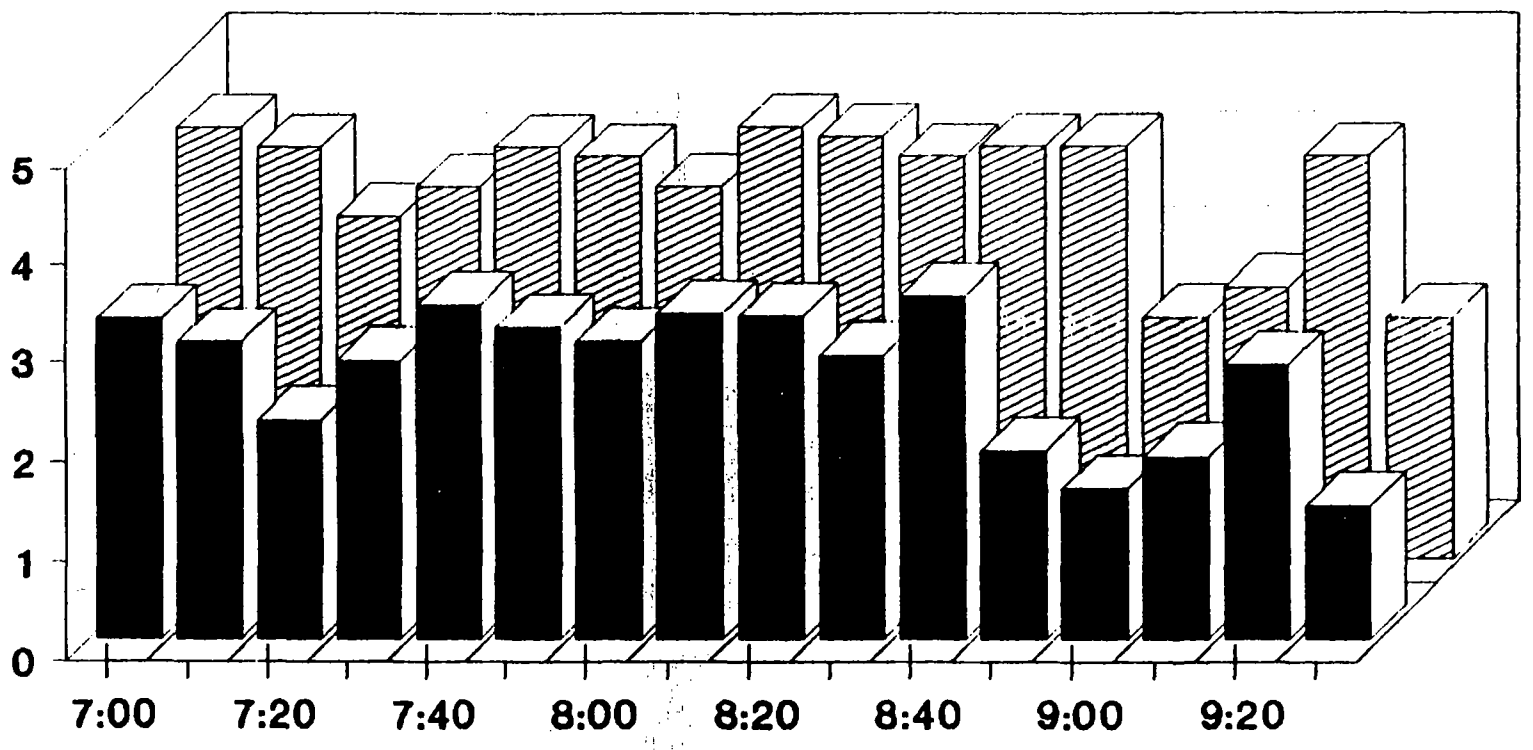
AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
JANUARY 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
26-Jan	1000	1.522	2.734	132.9
26-Jan	1030	1.277	2.734	34.8
26-Jan	1100	1.558	2.944	41.3
26-Jan	1130	2.363	7.570	287.8
26-Jan	1200	5.266	9.670	293.4
26-Jan	1230	6.118	11.040	280.8
26-Jan	1300	5.014	8.830	280.2
26-Jan	1330	4.724	8.410	274.3
26-Jan	1400	7.770	12.410	282.5
26-Jan	1430	8.720	14.400	277.2
26-Jan	1500	8.310	15.250	295.9
26-Jan	1530	8.460	12.300	303.0
26-Jan	1600	6.433	10.620	296.1
26-Jan	1630	5.052	7.040	301.3
26-Jan	1700	4.367	6.308	321.7
26-Jan	1730	3.510	7.150	358.8
26-Jan	1800	2.974	5.257	5.1
26-Jan	1830	3.789	6.834	341.2
26-Jan	1900	3.826	8.410	355.9
26-Jan	1930	4.439	8.200	344.4
26-Jan	2000	4.245	7.570	347.5
26-Jan	2030	4.324	6.939	342.8
26-Jan	2100	3.295	5.047	345.6
26-Jan	2130	4.113	5.678	339.2
26-Jan	2200	4.826	6.834	335.9
26-Jan	2230	2.692	5.047	358.6
26-Jan	2300	3.361	4.731	344.6
26-Jan	2330	2.483	3.785	341.0

AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
JANUARY 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
27-Jan	0	3.438	5.362	3.9
27-Jan	30	3.938	5.783	356.6
27-Jan	100	4.807	7.780	350.5
27-Jan	130	5.145	8.410	346.9
27-Jan	200	3.516	5.783	357.6
27-Jan	230	3.846	5.888	346.0
27-Jan	300	3.982	6.203	357.8
27-Jan	330	3.879	5.678	348.4
27-Jan	400	4.686	6.834	347.5
27-Jan	430	4.958	7.360	351.6
27-Jan	500	4.071	5.993	0.6
27-Jan	530	3.563	4.416	0.7
27-Jan	600	4.517	5.678	344.4
27-Jan	630	5.301	6.834	340.0
27-Jan	700	4.882	7.460	344.2
27-Jan	730	4.097	6.098	351.6
27-Jan	800	4.327	5.888	344.7
27-Jan	830	4.290	6.308	352.0
27-Jan	900	2.921	5.467	352.3
27-Jan	930	3.405	4.731	324.8
27-Jan	1000	2.338	3.995	282.0

INTEGRATED SURFACE SAMPLING
January 26,1993

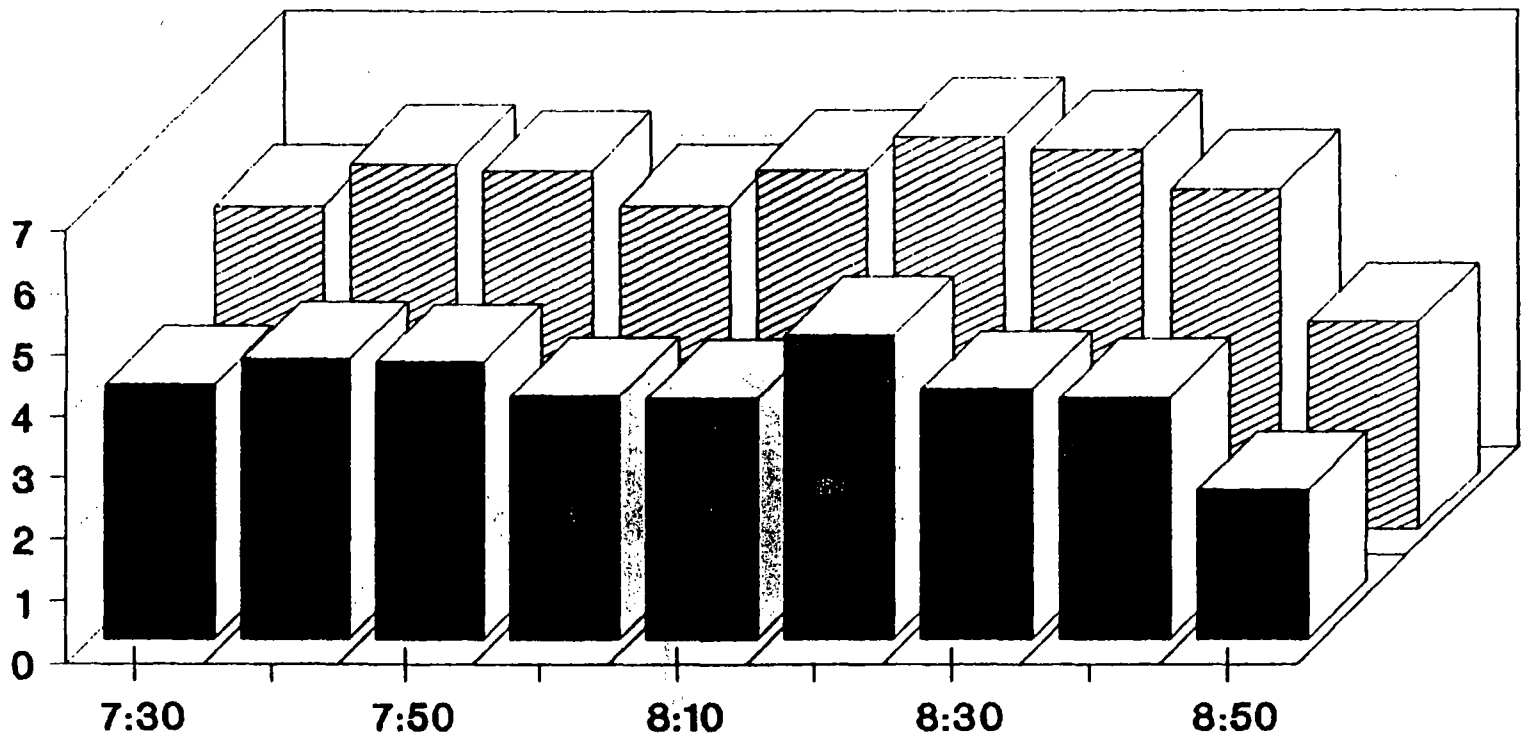


LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
January 27,1993



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
JANUARY 26, 1993

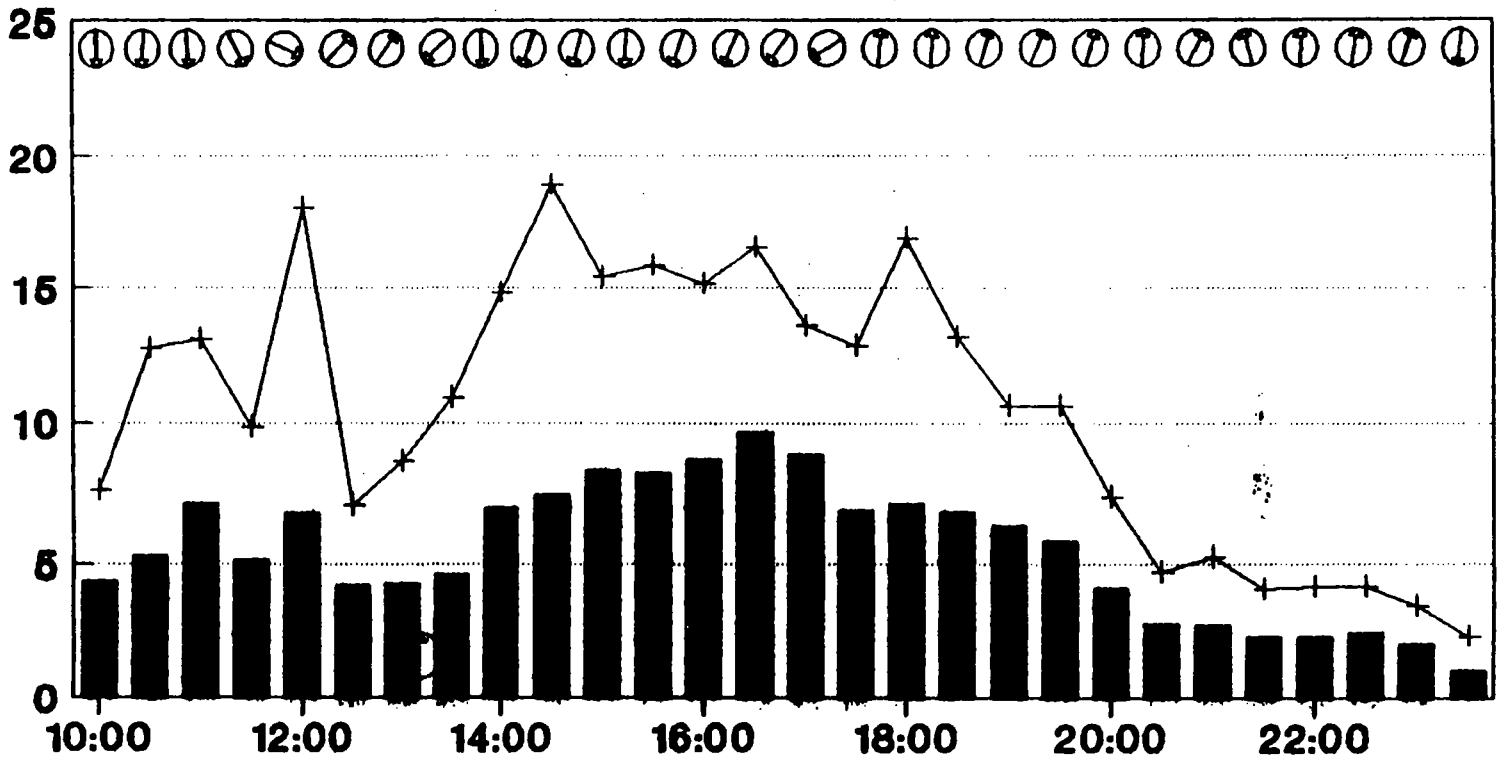
Time	Average Wind Speed	Maximum Wind Speed
700	3.214	4.416
710	2.974	4.206
720	2.190	3.470
730	2.788	3.785
740	3.355	4.206
750	3.121	4.100
800	2.982	3.785
810	3.268	4.416
820	3.238	4.311
830	2.838	4.100
840	3.449	4.206
850	1.880	4.206
900	1.506	2.418
910	1.820	2.734
920	2.740	4.100
930	1.329	2.418

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
JANUARY 27, 1993

730	4.135	5.257
740	4.539	5.888
750	4.498	5.783
800	3.945	5.257
810	3.909	5.783
820	4.916	6.308
830	4.044	6.098
840	3.913	5.467
850	2.400	3.364

Ambient Air Wind Data

February 27, 1993



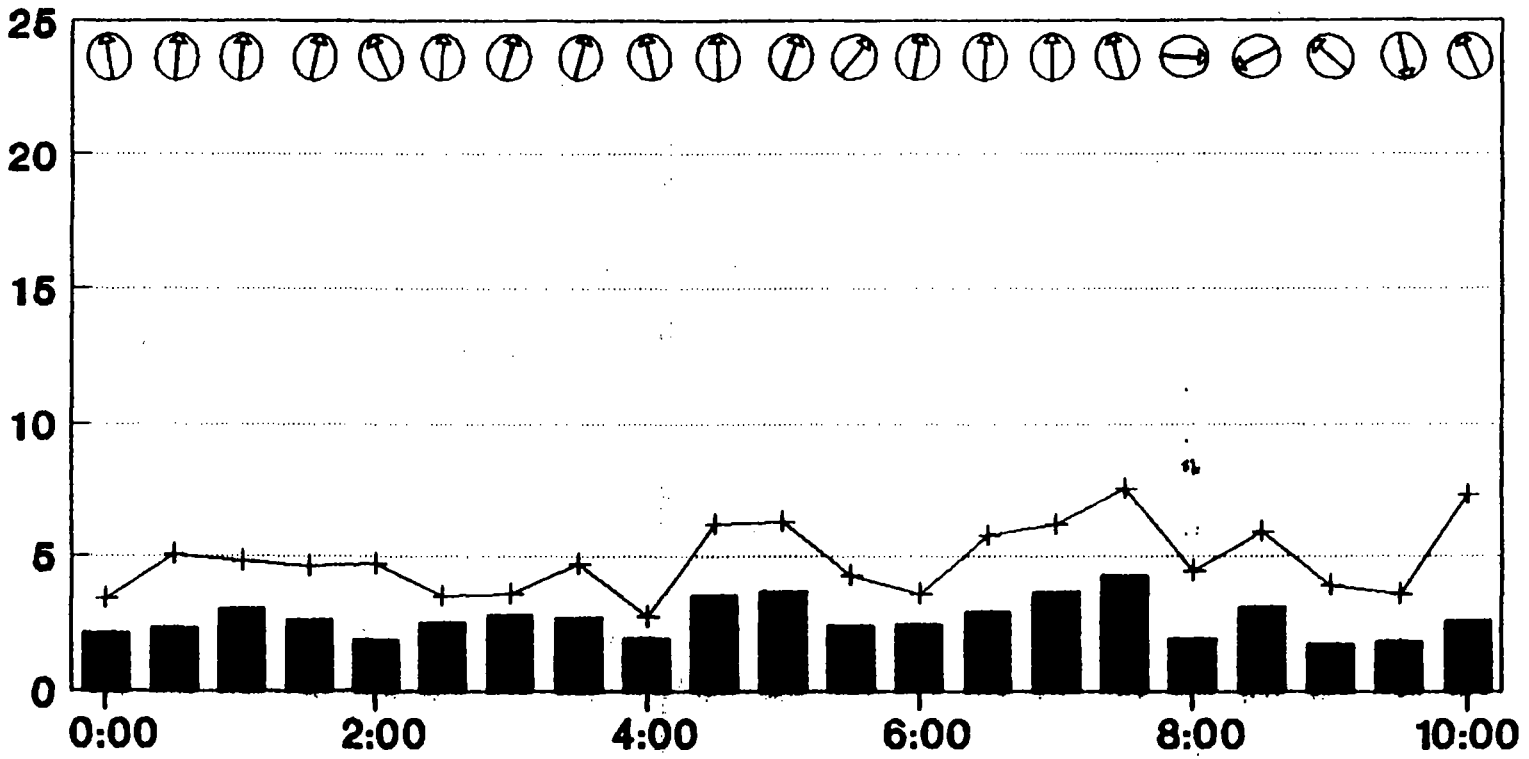
Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

Ambient Air Wind Data

February 28, 1993



Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
FEBRUARY 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
28-Feb	0	2.105	3.364	350.8
28-Feb	30	2.269	5.047	4.6
28-Feb	100	2.995	4.836	5.1
28-Feb	130	2.556	4.626	13.5
28-Feb	200	1.838	4.731	335.7
28-Feb	230	2.473	3.470	5.2
28-Feb	300	2.757	3.575	16.7
28-Feb	330	2.665	4.731	16.0
28-Feb	400	1.889	2.734	347.9
28-Feb	430	3.529	6.203	358.2
28-Feb	500	3.662	6.308	19.5
28-Feb	530	2.368	4.311	38.3
28-Feb	600	2.420	3.575	11.1
28-Feb	630	2.932	5.783	3.2
28-Feb	700	3.653	6.203	358.2
28-Feb	730	4.312	7.570	346.3
28-Feb	800	1.917	4.416	94.3
28-Feb	830	3.088	5.888	244.4
28-Feb	900	1.715	3.890	312.2
28-Feb	930	1.793	3.575	168.2
28-Feb	1000	2.581	7.360	119.0

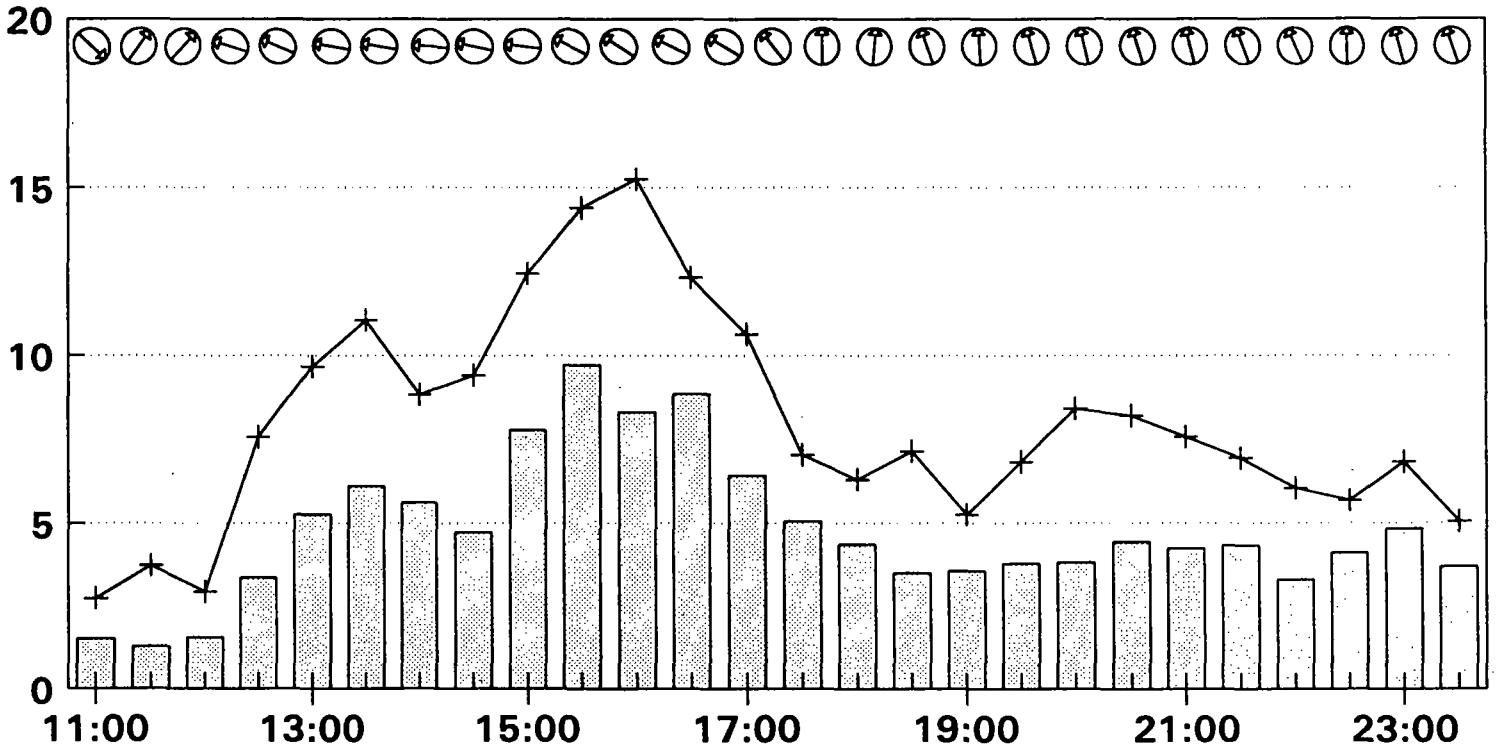
AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
FEBRUARY 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
27-Feb	1000	4.391	7.570	179.9
27-Feb	1030	5.292	12.720	183.2
27-Feb	1100	7.100	13.040	174.5
27-Feb	1130	5.141	9.880	154.1
27-Feb	1200	6.786	18.080	113.5
27-Feb	1230	4.230	7.040	46.6
27-Feb	1300	4.309	8.620	33.9
27-Feb	1330	4.635	10.930	227.3
27-Feb	1400	6.947	14.820	178.4
27-Feb	1430	7.450	18.930	198.0
27-Feb	1500	8.310	15.460	196.5
27-Feb	1530	8.180	15.880	182.1
27-Feb	1600	8.690	15.140	202.5
27-Feb	1630	9.680	16.610	203.6
27-Feb	1700	8.870	13.560	214.7
27-Feb	1730	6.876	12.830	241.2
27-Feb	1800	7.110	16.930	6.6
27-Feb	1830	6.822	13.140	1.8
27-Feb	1900	6.316	10.620	18.0
27-Feb	1930	5.808	10.620	25.1
27-Feb	2000	4.165	7.360	16.8
27-Feb	2030	2.801	4.731	3.2
27-Feb	2100	2.743	5.257	14.7
27-Feb	2130	2.332	4.100	352.3
27-Feb	2200	2.334	4.206	1.4
27-Feb	2230	2.458	4.206	11.2
27-Feb	2300	2.053	3.470	18.4
27-Feb	2330	1.040	2.313	188.5

AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
MARCH 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
30–Mar	1100	1.558	2.944	41.3
30–Mar	1130	3.363	7.570	287.8
30–Mar	1200	5.266	9.670	293.4
30–Mar	1230	6.118	11.040	280.8
30–Mar	1300	5.614	8.830	280.2
30–Mar	1330	4.724	9.410	274.3
30–Mar	1400	7.770	12.410	282.5
30–Mar	1430	9.720	14.400	277.2
30–Mar	1500	8.310	15.250	295.9
30–Mar	1530	8.860	12.300	303.0
30–Mar	1600	6.433	10.620	296.1
30–Mar	1630	5.052	7.040	301.3
30–Mar	1700	4.367	6.308	321.7
30–Mar	1730	3.510	7.150	358.8
30–Mar	1800	3.574	5.257	5.1
30–Mar	1830	3.789	6.834	341.2
30–Mar	1900	3.826	8.410	355.9
30–Mar	1930	4.439	8.200	344.4
30–Mar	2000	4.245	7.570	347.5
30–Mar	2030	4.324	6.939	342.8
30–Mar	2100	3.295	6.047	345.6
30–Mar	2130	4.113	5.678	339.2
30–Mar	2200	4.826	6.834	335.9
30–Mar	2230	3.692	5.047	358.6
30–Mar	2300	3.361	4.731	344.6
30–Mar	2330	2.483	3.785	341.0

Ambient Air Wind Data
March 30, 1993



Average Wind Speed

Maximum Wind Speed

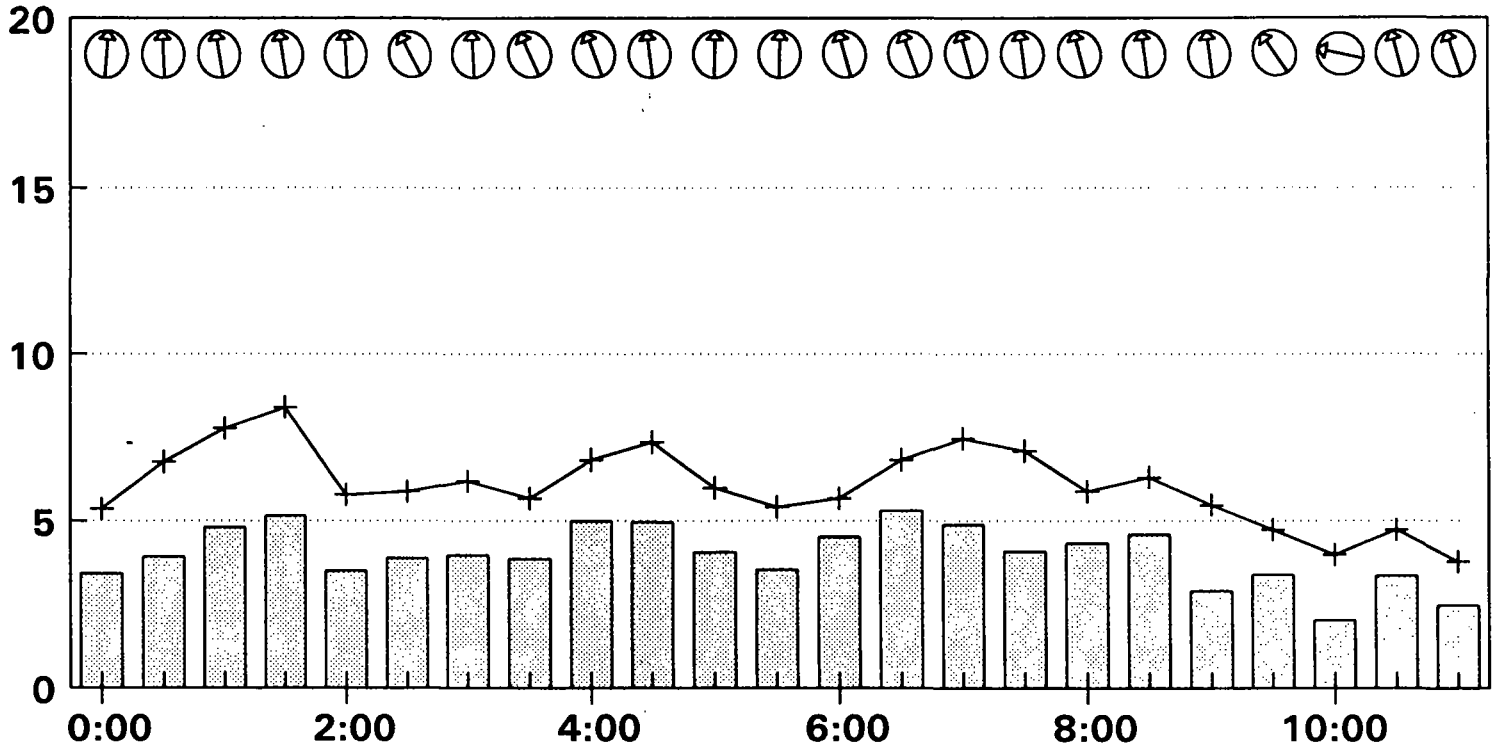
Direction Wind is Coming From

Wind Speed in mph

AMBIENT AIR
METEOROLOGICAL DATA COLLECTED
MARCH 1993

DATE	TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED	AVERAGE WIND DIRECTION
31-Mar	0	3.438	5.362	3.9
31-Mar	30	3.938	6.783	356.6
31-Mar	100	4.807	7.780	350.5
31-Mar	130	5.145	8.410	346.9
31-Mar	200	3.516	5.783	357.6
31-Mar	230	3.886	5.888	346.0
31-Mar	300	3.982	6.203	357.8
31-Mar	330	3.879	5.678	348.4
31-Mar	400	4.986	6.834	347.5
31-Mar	430	4.958	7.360	351.6
31-Mar	500	4.071	5.993	0.6
31-Mar	530	3.563	5.416	0.7
31-Mar	600	4.517	5.678	344.4
31-Mar	630	5.301	6.834	340.0
31-Mar	700	4.882	7.460	344.2
31-Mar	730	4.097	7.098	351.6
31-Mar	800	4.327	5.888	344.7
31-Mar	830	4.590	6.308	352.0
31-Mar	900	2.921	5.467	352.3
31-Mar	930	3.405	4.731	324.8
31-Mar	1000	2.038	3.995	282.0
31-Mar	1030	1.522	2.734	132.9
31-Mar	1100	1.277	3.734	34.8

Ambient Air Wind Data
March 31, 1993



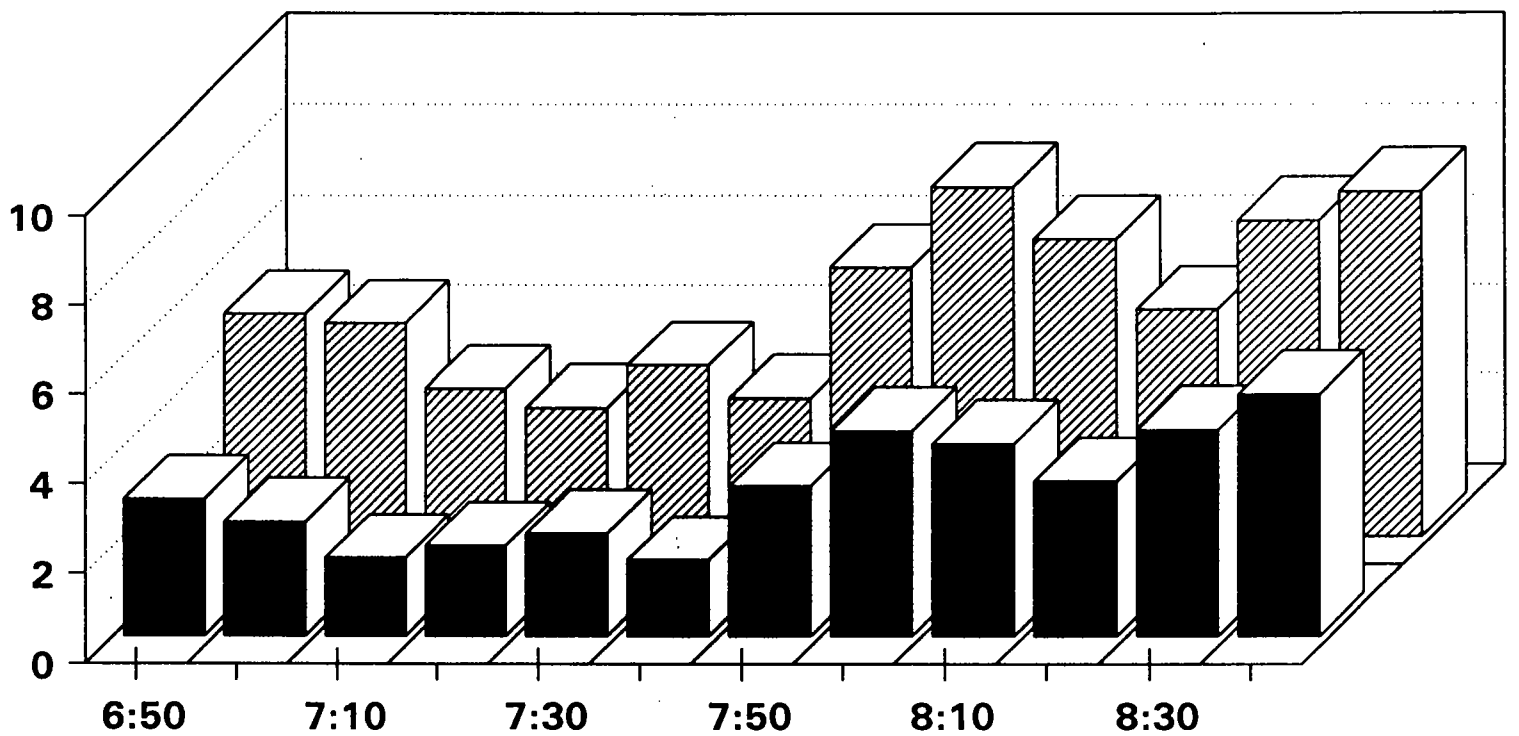
Average Wind Speed

Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
March 4,1993

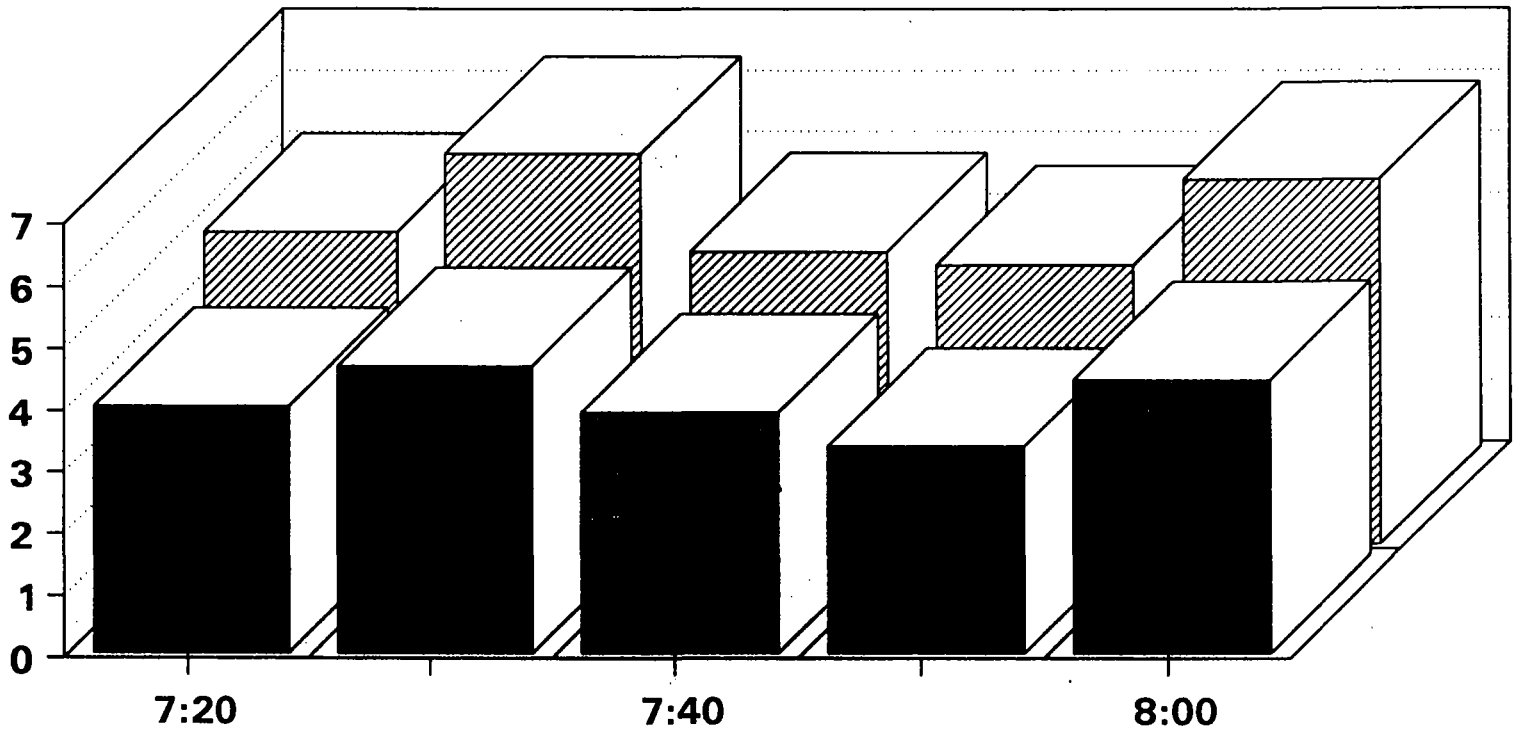


LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
March 5,1993



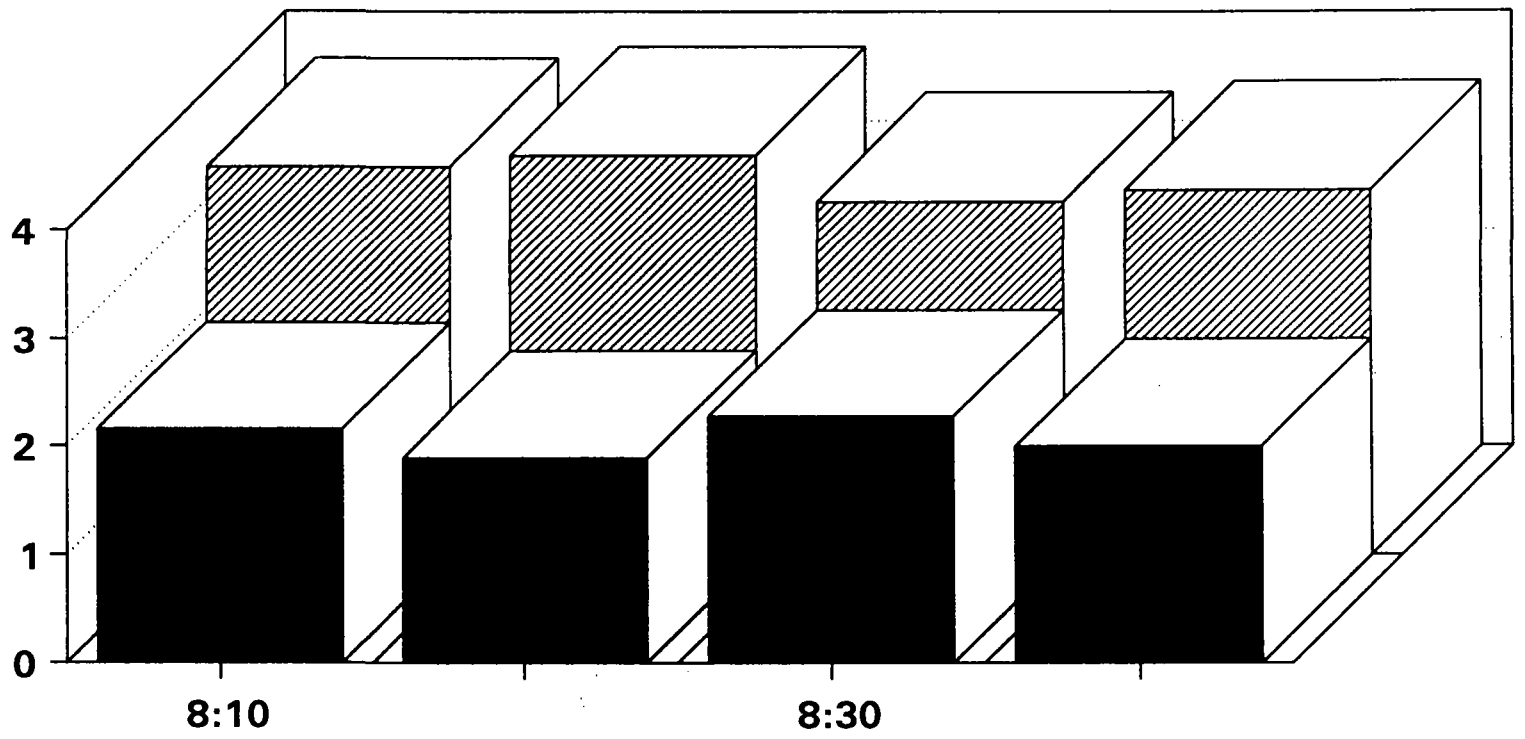
LEGEND

Mean wind speed

Max. wind speed

Wind Speed in mph

INTEGRATED SURFACE SAMPLING
March 18,1993



LEGEND

Mean wind speed Max. wind speed

Wind Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
March 4, 1993

Time	Average Wind Speed	Maximum Wind Speed
650	3.030	4.942
700	2.532	4.731
710	1.722	3.259
720	2.002	2.839
730	2.279	3.785
740	1.680	3.049
750	3.333	5.993
800	4.555	7.780
810	4.275	6.624
820	3.442	5.047
830	4.585	7.040
840	5.358	7.680

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
March 5, 1993

720	3.998	5.047
730	4.644	6.308
740	3.893	4.731
750	3.343	4.521
800	4.421	5.888

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
March 18, 1993

810	2.153	3.575
820	1.884	3.680
830	2.269	3.259
840	1.994	3.364

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199228
for partially scanned image(s).

15 TO 16 OF 16

For complete hardcopy version of the oversize document
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(415) 536-2000

APPENDIX D

FIELD RECORD LOGS

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

Site: Bradley Date: 1/25/93
Start Time: 11 Completion Time: 11

Technician: Vicki K. Bag I.D. No.: UR 187

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: Vicki L

Sample Location: Inl #1 Sampler Number: 9011

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

Program Start Date: 1/26/93 Time: 07.07
Program Stop Date: 1/26/93 Time:

Program Timer Setting: Actual Time:

Rotometer Setting Start: 21 Stop:

Field Readings: 4.7 ppm Methane
Other (Specify)

Observations:

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

Site: Bradley Date: 11/16/92
Start Time: 1513 Completion Time: 1515

Technician: Vicki L Bag I.D. No.: VR 183

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: 1/26/93 Time: 07.07
Program Stop Date: / Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 6.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 11:41 Completion Time: 11:43

Technician: Vicki K. Bag I.D. No.: UR203

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 #3 Sampler Number: _____

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

Program Start Date: 1/26/93 Time: 7:45
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 11[illegible] Completion Time: 12[illegible]

Technician: Vicki A. Bag I.D. No.: UR216

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: Vicki A.

Sample Location: Grid #4 Sampler Number: 9011

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

Program Start Date: 1/26/93 Time: [illegible]
Program Stop Date: 1/26/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 8.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley 44 Date: 1/25/93 11:46
Start Time: 11:44 Completion Time: 11:46

Technician: Vicki A. Bag I.D. No.: UR 214

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: Vicki A

Sample Location: Grid #5 Sampler Number: 9011

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

Program Start Date: 1/26/93 Time: 08:17
Program Stop Date: 1/26/93 Time:

Program Timer Setting: Actual Time:

Rotometer Setting Start: 21 Stop:

Field Readings: 7.7 ppm Methane
Other (Specify)

Observations:

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

Site: Bradley Date: 1/25/93
Start Time: 1151 Completion Time: 1153

Technician: Vicki A. Bag I.D. No.: UR208

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: _____

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

Program Start Date: 1/26/93 Time: 08:13
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 11.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 1144 Completion Time: 1150

Technician: Vicki A. Bag I.D. No.: UR212

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: Vicki A.

Sample Location: Grid #7 Sampler Number: 7011

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

Program Start Date: 1/26/93 Time: 08:57
Program Stop Date: 1/26/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.6 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 955 Completion Time: 952

Technician: Vicki A. Bag I.D. No.: VF207

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: Vicki A.

Sample Location: Grid #8 Sampler Number: 9011

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

Program Start Date: 1/26/93 Time: 09:25
Program Stop Date: 1/26/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 6.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 1153 Completion Time: 1152

Technician: Vicki A. Bag I.D. No.: UR221

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 #9 Sampler Number: _____

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

Program Start Date: 1/26/93 Time: 8:53
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 9.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 11/16/92
Start Time: 1540 Completion Time: 1542

Technician: Vicki A. Bag I.D. No.: VR170

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 #10 Sampler Number: _____

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

Program Start Date: 1/26/93 Time: 9:21
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 98 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 743 Completion Time: 745

Technician: Vicki A. Bag I.D. No.: 1F224

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: Vicki A.

Sample Location: Grid #11 Sampler Number: 9011

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

Program Start Date: 1/27/93 Time: 08:35
Program Stop Date: 1/27/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 1205 Completion Time: 1206

Technician: Vicki A. Bag I.D. No.: UR219

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: Vicki A

Sample Location: Grid #12 Sampler Number: 9011

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

Program Start Date: 1/27/93 Time: 08:04
Program Stop Date: 1/27/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 1130 Completion Time: 1110

Technician: Vicki A. Bag I.D. No.: UR 210

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: Vicki A.

Sample Location: Grid #13 Sampler Number: 9011

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

Program Start Date: 1/27/93 Time: 08:48
Program Stop Date: 1/27/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 06:48 Completion Time: 06:50

Technician: R. Johnson Bag I.D. No.: UR 232

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: 1/27/93 Time: 08:40
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.7 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 06:50 Completion Time: 6:51

Technician: R. Johnson Bag I.D. No.: UR 229

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: 1/27/93 Time: 07:32
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 47 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 12:05 Completion Time: 12:06

Technician: Vicki A. Bag I.D. No.: UR219

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: Vicki A

Sample Location: Grid #12 Sampler Number: 9011

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

Program Start Date: 1/27/93 Time: 08:04
Program Stop Date: 1/27/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 5.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Date: 1/25/93
Start Time: 1136 Completion Time: 1110

Technician: Vicki A. Bag I.D. No.: UR 210

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: Vicki A.

Sample Location: Grid #13 Sampler Number: 9011

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

Program Start Date: 1/27/93 Time: 08:48
Program Stop Date: 1/27/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 06:48 Completion Time: 06:50

Technician: R. Johnson Bag I.D. No.: UR 232

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: 1/27/93 Time: 08:40
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 3.7 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 06:50 Completion Time: 6:52

Technician: R. Johnson Bag I.D. No.: UR 224

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: 1/27/93 Time: 07:32
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 21 Stop: _____

Field Readings: 47 ppm Methane
_____ Other (Specify) _____

Observations: _____

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

Site: Bradley Landfill Date: 12-15-92
Start Time: 1357 Completion Time: 1358

Technician: Vicki A. Bag I.D. No.: JR120

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: W-9B Sampler Number: 9012

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

Program Start Date: 1/27/93 Time: 16:47
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 7.0% Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 13:42 Completion Time: 1343

Technician: R. Johnson Bag I.D. No.: VR154

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: East 8-D Sampler Number: _____

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

Program Start Date: 1/27/93 Time: 15:23
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 12.0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 1/27/93
Start Time: 13:38 Completion Time: 13:40

Technician: R. Johnson Bag I.D. No.: UR166

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: LFG Sampler Number: 9013

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

Program Start Date: 1/27/93 Time: 14:35
Program Stop Date: _____ Time: _____

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: Bradley Date: 1/25/93
Start Time: 11 Completion Time: 11 20

Technician: Vicki K. Bag I.D. No.: VR 236

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: DW 24 hour Sampler Number: 9005

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

Program Start Date: 1/26/93 Time: 10:00
Program Stop Date: 1/27/93 Time: 10:00

Program Timer Setting: 14:45 Actual Time: 14:45

Rotometer Setting Start: 30 Stop: 31

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: Barometer - 29.99

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:49 Completion Time: 11:50

Technician: Vicki A. Bag I.D. No.: VR155

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: Vicki A.

Sample Location: E8-D Sampler Number: 9012

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

Program Start Date: 2/16/93 Time: 15:05
Program Stop Date: 2/16/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 11% Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/26/93
Start Time: 17:47 Completion Time: 17:46

Technician: R. Johnson Bag I.D. No.: UR 243

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: DW 24hr Sampler Number: 9205

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

Program Start Date: 2/27/93 Time: 10:00
Program Stop Date: 2/28/93 Time: [illegible]

Program Timer Setting: 18:30 Actual Time: 18:30

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/26/93
Start Time: 17:44 Completion Time: 17:51

Technician: R. Johnson Bag I.D. No.: UR 244

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: UW <24hr Sampler Number: 9003

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

Program Start Date: 2/28/93 Time: 00:00
Program Stop Date: 2/23/93 Time: 00:00

Program Timer Setting: 18:33 Actual Time: 1833

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/26/93
Start Time: 17:43 Completion Time: 17:45

Technician: R. Johnson Bag I.D. No.: UR 241

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: UW 24hr Sampler Number: 9001

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

Program Start Date: 2/27/93 Time: 10:00
Program Stop Date: 2/28/93 Time: 10:00

Program Timer Setting: 16:20 Actual Time: 16:20

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/26/93
Start Time: 17.45 Completion Time: 17.47

Technician: R. Johnson Bag I.D. No.: UR 242

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: [illegible] DW Sampler Number: 9001

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

Program Start Date: 2/25/93 Time: 00:00
Program Stop Date: 2/23/93 Time: 00:00

Program Timer Setting: 18:18 Actual Time: 18:18

Rotometer Setting Start: 00 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/26/93
Start Time: 17:41 Completion Time: 17:43

Technician: R. Johnson Bag I.D. No.: UR 240

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: DW < 24hr Dup Sampler Number: 2004

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

Program Start Date: 2/28/93 Time: 00:00
Program Stop Date: 2/28/93 Time: 06:00

Program Timer Setting: 18:18 Actual Time: 18:18

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley

PURPOSE: OVA SWEEP

OPERATOR: R. Johnson

DATE: 2/16/93 **Start** 9:22 **Finish** _____

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	(Pass)/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	4.6 ppm	**CALIBRATION CHECK**
Leak Test	(Pass)/Fail	
Clean System Check (Check Valve Chatter)	(Pass)/Fail	
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9	100	3.0
95	95	100	
500	500	100	

AUDIT

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

Instrument calibrated to _____ gas

COMMENTS: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley

PURPOSE: ISS SAMPLE FIELD READING

OPERATOR: Vicki A.

DATE: 3/5/93 **Start** 08:37 **Finish** 08:53

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	2.1 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	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
~~[illegible]~~			3.6
9	9	100%	
95	95	100%	
500	500	100%	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 08:52	9	8.8	
2.	95	84.0	
	500		

Instrument calibrated to Methane gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley

PURPOSE: TSS Sample Check

OPERATOR: R. Johnson

DATE: 3/13/93 **Start** 8:49 **Finish** _____

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	2.8 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
9	9	100	3.6
95	95	100	

AUDIT

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

Instrument calibrated to _____ gas

COMMENTS: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:52 Completion Time: 11:53

Technician: Vicki A. Bag I.D. No.: VR 225

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 #1 Sampler Number: _____

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

Program Start Date: 3/4/93 Time: 0700
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 3.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:30 Completion Time: 11:32

Technician: Vicki A. Bag I.D. No.: VR219

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: Vicki A.

Sample Location: Grid # 2 Sampler Number: 9011

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

Program Start Date: 3/4/93 Time: 07:10
Program Stop Date: 3/4/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 36 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:42 Completion Time: 11:43

Technician: Vicki A. Bag I.D. No.: VP204

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: Vicki A.

Sample Location: Grid #3 Sampler Number: 9011

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

Program Start Date: 3/4/93 Time: 07:46
Program Stop Date: 3/4/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 3.7 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:32 Completion Time: 11:34

Technician: Vicki A. Bag I.D. No.: VR214

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 #4 Sampler Number:_____

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

Program Start Date: 3/14/93 Time: 7:36
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 2.1 Stop:_____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:35 Completion Time: 11:37

Technician: Vicki A. Bag I.D. No.: VK 203

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 #5 Sampler Number:_____

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

Program Start Date: 3/4/93 Time: 08:13
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:23 Completion Time: 11:25

Technician: Vicki A. Bag I.D. No.: VK229

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. Dinson

Sample Location: Grid #6 Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 6:50
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 20 Stop:_____

Field Readings: 34 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:40 Completion Time: 11:42

Technician: Vicki A. Bag I.D. No.: 1221

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: Vicki A.

Sample Location: Grid # 7 Sampler Number: 9011

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

Program Start Date: 3/4/93 Time: 08:15
Program Stop Date: 3/4/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 4.0 ppm Methane
" Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93

Start Time: 10:30 Completion Time: 11:22

Technician: Vicki A. Bag I.D. No.: V12222

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: Vicki A.

Sample Location: Grid #8 Sampler Number: 9011

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

Program Start Date: 3/5/93 Time: 17:55

Program Stop Date: 3/5/93 Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 20 Stop:_____

Field Readings: 3.8 ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:47 Completion Time: 11:49

Technician: Vicki A. Bag I.D. No.: VR187

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: Vicki A.

Sample Location: Grid #9 Sampler Number: 9011

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

Program Start Date: ~~[illegible]~~ 3/5/93 Time: 07:22
Program Stop Date: 3/5/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 40 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:55 Completion Time: 11:56

Technician: Vicki A. Bag I.D. No.: VR226

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: Vicki A.

Sample Location: Grid #10 Sampler Number: 9011

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

Program Start Date: ~~03/5/93~~ 3/5/93 Time: 07:50
Program Stop Date: 3/5/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 3.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:34 Completion Time: 11:35

Technician: Vicki A. Bag I.D. No.: VF208

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 H11 Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 7:21
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 35 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:27 Completion Time: 11:29

Technician: Vicki A. Bag I.D. No.: VR210

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 #12 Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 7:49
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 4.3 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:25 Completion Time: 11:27

Technician: Vicki A. Bag I.D. No.: VR232

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:_____

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

Program Start Date: 3/18/93 Time: 811
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 21 Stop:_____

Field Readings: 4.5 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:32 Completion Time: 11:34

Technician: Vicki A. Bag I.D. No.: VR214

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 H4 Sampler Number:_____

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

Program Start Date: 3/14/93 Time: 7:36
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 21 Stop:_____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:42 Completion Time: 11:43

Technician: Vicki A. Bag I.D. No.: VP204

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: Vicki A.

Sample Location: Grid #3 Sampler Number: 9011

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

Program Start Date: 3/4/93 Time: 07:46
Program Stop Date: 3/4/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 3.7 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:35 Completion Time: 11:37

Technician: Vicki A. Bag I.D. No.: VK203

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 #5 Sampler Number:_____

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

Program Start Date: 3/4/93 Time: 08:13
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:23 Completion Time: 11:25

Technician: Vicki A. Bag I.D. No.: VL229

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. Dimson

Sample Location: Grid #6 Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 6:50
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 20 Stop:_____

Field Readings: 34 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:40 Completion Time: 11:42

Technician: Vicki A. Bag I.D. No.: 11221

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: Vicki A.

Sample Location: Grid # 7 Sampler Number: 9011

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

Program Start Date: 3/4/93 Time: 08:15
Program Stop Date: 3/4/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 4.0 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: _____ Date: 2/16/93

Start Time: 10:30 Completion Time: 11:22

Technician: Vicki A. Bag I.D. No.: V12222

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: Vicki A.

Sample Location: Grid #8 Sampler Number: 9011

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

Program Start Date: 3/5/93 Time: 17:55

Program Stop Date: 3/5/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 3.8 ppm Methane

_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:47 Completion Time: 11:49

Technician: Vicki A. Bag I.D. No.: VR187

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: Vicki A.

Sample Location: Grid #9 Sampler Number: 9011

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

Program Start Date: ~~[illegible]~~ 3/5/93 Time: 07:22
Program Stop Date: 3/5/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 40 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:55 Completion Time: 11:56

Technician: Vicki A. Bag I.D. No.: VR226

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: Vicki A.

Sample Location: Grid #10 Sampler Number: 9011

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

Program Start Date: ~~[illegible]~~ 3/5/93 Time: 07:50
Program Stop Date: 3/5/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 20 Stop: _____

Field Readings: 3.8 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:34 Completion Time: 11:35

Technician: Vicki A. Bag I.D. No.: VF208

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: Gr. V. Hill Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 7:21
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 35 ppm Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:27 Completion Time: 11:29

Technician: Vicki A. Bag I.D. No.: VR210

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 #12 Sampler Number:_____

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

Program Start Date: 3/5/93 Time: 2:49
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 4.3 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site:_____ Date: 2/16/93
Start Time: 11:25 Completion Time: 11:27

Technician: Vicki A. Bag I.D. No.: VR232

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:_____

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

Program Start Date: 3/18/93 Time: 8:11
Program Stop Date:_____ Time:_____

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start: 21 Stop:_____

Field Readings: 4.5 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 2/16/93
Start Time: 11:50 Completion Time: 11:51

Technician: Vicki A. Bag I.D. No.: VR228

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: Vicki A.

Sample Location: Grid # 14 Sampler Number: 9011

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

Program Start Date: 3/18/93 Time: 08:10
Program Stop Date: 3/18/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 020 Stop: _____

Field Readings: 3.4 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 3/15/93
Start Time: 14:12 Completion Time: 14:13

Technician: R. Johnson Bag I.D. No.: UR113

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: Vicki A.

Sample Location: East 8 Deep Sampler Number: 9012

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

Program Start Date: 3/15/93 Time: 15:20
Program Stop Date: 3/15/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

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

Site: Bradley Date: 3/15/93
Start Time: 1411 Completion Time: 1412

Technician: R. Johnson Bag I.D. No.: UR111

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: Vicki A.

Sample Location: West 10 Deep Sampler Number: 9012

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

Program Start Date: 3/15/93 Time: 16:20
Program Stop Date: 3/15/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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

Site: BRADLEY Date: 3/15/93
Start Time: 14:14 Completion Time: 14:15

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: Vicki A.

Sample Location: Landfill Collection System Sampler Number: 9012

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

Program Start Date: 3/16/93 Time: 08:45
Program Stop Date: 3/16/93 Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 35 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

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VALLEY RECLAMATION CO

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

Site: Bradley Date: 3/30/93
Start Time: 10:41 Completion Time: 10:42

Technician: R. Johnson Bag I.D. No.: VR 251

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: DW-24hr Sampler Number: 9001

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

Program Start Date: 3/31/93 Time: 0:00
Program Stop Date: 3/31/93 Time: 0:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

APR 20 1993

VALLEY RECLAMATION CO

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

Site: Bradley Date: 3/30/93
Start Time: 10:42 Completion Time: 10:43

Technician: R. Johnson Bag I.D. No.: VR252

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: UW 24 LV Sampler Number: 9002

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

Program Start Date: 3/30/93 Time: ~~10:55~~ 11:00
Program Stop Date: 3/31/93 Time: 11:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

APR 20 1993

VALLEY RECLAMATION CO

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

Site: Bradley Date: 3/30/93
Start Time: 10:46 Completion Time: 10:47

Technician: R. Johnson Bag I.D. No.: VR 254

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: Unc 24 hr Sampler Number: 9003

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

Program Start Date: 3/30/93 Time: 0:00
Program Stop Date: 3/31/93 Time: ~~06~~ 06:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

APR 20 1993

VALLEY RECLAMATION CO

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

Site: Bradley Date: 3/30/93
Start Time: 10:40 Completion Time: 10:41

Technician: R. Johnson Bag I.D. No.: VR-50

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: DW 24 LV Sampler Number: _____

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

Program Start Date: 3/30/93 Time: 11:00
Program Stop Date: 3/31/93 Time: 11:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

APR 20 1993

VALLEY RECLAMATION CO

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

Site: Bradley Date: 3/30/93
Start Time: 10:45 Completion Time: 10:46

Technician: R. Johnson Bag I.D. No.: VR253

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: DW224 L (Dp) Sampler Number: 9004

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

Program Start Date: 3/31/93 Time: 0:00
Program Stop Date: 3/31/93 Time: 06:00

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

February 2, 1993 LTR/031/93

FEB - 3 1993
VALLEY RECLAMATION C

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis reports, quality assurance summary, and the original chain of custody form for five ambient air and two integrated surface samples received on January 27, 1993.

The samples were analyzed for SCAQMD Rule 1150.1 components, total gaseous non-methane organics, and methane.

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: February 1, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: January 27, 1993
Date Analyzed: January 27 & 28, 1992

AtmAA Lab No.:	90273-27	90273-28	90273-29	90273-30	90273-31
Sample I.D.:	VR236	VR237	VR235	VR239	VR238
	A.A.	A.A.	A.A. DW	A.A.	A.A.
	DW 24hr	UW < 24hr	< 24hr dup	DW < 24hr	UW 24hr
Components:	(Concentration in ppm, v/v)				
Methane	1.90	1.90	2.95	3.18	8.25
TGNMO	1.29	1.28	1.14	1.01	1.16
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	1.17	0.51	0.37	0.34	0.66
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	0.41	0.21	0.36	0.31	0.67
Perchloroethene	0.12	<0.1	<0.1	<0.1	0.13
Carbon Tetrachloride	0.11	0.10	0.11	0.12	0.094
Toluene	3.72	1.80	1.08	1.14	2.32
1,1,1-trichloroethane	3.14	0.58	1.09	1.02	1.84
Trichloroethene	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroform	<0.08	<0.08	<0.08	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1
m + p-xylenes	1.67	0.58	0.45	0.38	0.67
o-xylene	0.70	0.29	<0.2	<0.2	0.35

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

Michael L. Porter
Laboratory Director

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

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: February 1, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: January 27, 1993
Date Analyzed: January 27 & 28, 1992

AtmAA Lab No.:	90273-32	90273-33
Sample I.D.:	VR216	VR224
	ISS	ISS
	Grid #4	Grid #11
Components:	(Concentration in ppm, v/v)	
Methane	7.62	4.62
TGNMO	2.18	1.67
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.44	1.44
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	1.55	0.94
Perchloroethene	<0.1	<0.1
Carbon Tetrachloride	0.11	0.11
Toluene	7.88	6.94
1,1,1-trichloroethane	13.8	1.42
Trichloroethene	<0.06	<0.06
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	2.60	1.50
o-xylene	1.13	0.56

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR236	1.86	1.94	1.90	2.1
	VR235	2.98	2.92	2.95	1.0
	VR238	8.26	8.24	8.25	0.12
	VR224	4.59	4.64	4.62	0.54
TGNMO	VR236	1.34	1.25	1.29	3.5
	VR238	1.30	1.03	1.16	12
	VR224	1.72	1.62	1.67	3.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR238	<0.8	<0.8	---	---
	VR224	<0.8	<0.8	---	---
Benzene	VR216	2.63	2.25	2.44	7.8
	VR224	1.47	1.42	1.44	1.7
Benzylchloride	VR238	<0.8	<0.8	---	---
Chlorobenzene	VR216	<0.1	<0.1	---	---
	VR224	<0.1	<0.1	---	---
Dichlorobenzenes*	VR238	<1.1	<1.1	---	---
	VR216	<1.1	<1.1	---	---
1,1-dichloroethane	VR216	<0.4	<0.4	---	---
1,2-dichloroethane	VR216	<0.2	<0.2	---	---
1,1-dichloroethylene	VR235	<0.1	<0.1	---	---
	VR224	<0.1	<0.1	---	---
Dichloromethane	VR216	1.56	1.54	1.55	0.64
Perchloroethene	VR236	0.13	0.11	0.12	8.3
	VR237	<0.1	<0.1	---	---
	VR216	<0.1	<0.1	---	---
	VR224	<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)			
Carbon Tetrachloride	VR236	0.11	0.11	0.11	0.0
	VR237	0.10	0.10	0.10	0.0
Toluene	VR216	8.45	7.32	7.88	7.2
	VR224	7.18	6.70	6.94	3.4
1,1,1-trichloroethane	VR236	3.17	3.10	3.14	1.1
	VR237	0.57	0.59	0.58	1.7
	VR216	13.6	14.0	13.8	1.4
	VR224	1.41	1.43	1.42	0.70
Trichloroethene	VR236	<0.06	<0.06	---	---
	VR237	<0.06	<0.06	---	---
	VR216	<0.06	<0.06	---	---
	VR224	<0.06	<0.06	---	---
Chloroform	VR236	<0.08	<0.08	---	---
	VR237	<0.08	<0.08	---	---
	VR216	<0.08	<0.08	---	---
	VR224	<0.08	<0.08	---	---
Vinyl Chloride	VR235	<0.1	<0.1	---	---
	VR224	<0.1	<0.1	---	---
m + p-xylenes	VR216	2.54	2.67	2.60	2.5
	VR224	1.56	1.43	1.50	4.3
o-xylene	VR126	1.16	1.10	1.13	2.6

A set of 7 Tedlar bag samples laboratory numbers, 90273-(27-33) was analyzed for SCAQMD Rule 1150.1 components, 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 22 repeat measurements from the sample set of 7 Tedlar bag samples is 3.0%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley

Sampler: (Signature) [signature]

	Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Methane				CH4			Field Comments	Lab* Comments
					Analyses						Field Testing				
*	VR 236	1/27/93	10:00	AA DW 24hr	✓	✓	✓								90273-27
	VR 237	1/27/93	06:00	AA UW<24hr.	✓	✓	✓								-28
	VR 235	1/27/93	06:00	AA DW <24hr Dup	✓	✓	✓								-29
	VR 239	1/27/93	06:00	AA DW <24hr.	✓	✓	✓								-30
*	VR 238	1/27/93	10:00	AA UW 24hr.	✓	✓	✓								-31
	VR 216	1/26/93	08:48	ISS Grid #4	✓	✓	✓				8.5 ppm				-32
	VR 224	1/27/93	08:35	ISS Grid #11	✓	✓	✓				5.8 ppm				-33

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/27/93	11:27			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) [signature]	Date 1/27/93	Time 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

* Vial Recieved in open position!

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

February 4, 1993 LTR/037/93

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

FEB -8 1993
VALLEY RECLAMATION

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis reports, quality assurance summary, and the original chain of custody form for four Tedlar bag samples received on January 28, 1993.

The samples were analyzed for SCAQMD Rule 1150.1 components, permanent gases, total gaseous non-methane organics, methane, and hydrogen sulfide.

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

February 23, 1993

LTR/064/93

MAR 1 - 1993
VALLEY RECLAMATION

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for two Tedlar bag samples received on February 17, 1993.

The samples were analyzed for SCAQMD Rule 1150.1 components, (including Freon-11 & Freon-12) permanent gases, total gaseous non-methane organics, hydrogen sulfide.

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: February 22, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: February 17, 1993
Date Analyzed: February 17, & 19, 1993

AtmAA Lab No.:	90483-12	90483-13
Sample I.D.:	VR183 LFG	VR155 Probe East 8-D
Components:	(Concentration in %, v/v)	
Nitrogen	16.8	60.3
Oxygen	0.88	1.08
Methane	42.1	14.9
Carbon Dioxide	39.2	23.8
	(Concentration in ppm, v/v)	
TGNMO	4940	567
	(Concentration in ppb, v/v)	
Acetonitrile	159	<0.8
Benzene	2040	33.2
Benzylchloride	<20	<6
Chlorobenzene	997	<25
Dichlorobenzenes*	985	61.7
1,1-dichloroethane	5160	44.6
1,2-dichloroethane	756	23.9
1,1-dichloroethylene	396	50.2
Dichloromethane	8710	<30
Perchloroethene	13000	271
Carbon Tetrachloride	<5	<5
Toluene	82500	257
1,1,1-trichloroethane	134	<4
Trichloroethene	4520	73.4
Chloroform	<5	<5
Vinyl Chloride	2780	308
m + p-xylenes	28900	194
o-xylene	8700	68.1
Freon-11	581	<3
Freon-12	6570	354

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.
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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR155	60.5	60.1	60.3	0.33
Oxygen	VR155	1.14	1.03	1.08	5.1
Methane	VR183	42.0	42.2	42.1	0.24
Carbon Dioxide	VR183	38.9	39.4	39.2	0.64
		(Concentration in ppm, v/v)			
TGNMO	VR183	5070	4820	4940	2.5
		(Concentration in ppb, v/v)			
Acetonitrile	VR183	164	154	159	3.1
Benzene	VR183	1990	2100	2040	2.7
Benzylchloride	VR183	< 20	< 20	---	---
Chlorobenzene	VR183	944	1050	997	5.3
Dichlorobenzenes*	VR183	910	1060	985	7.6
1,1-dichloroethane	VR183	4630	5690	5160	10
1,2-dichloroethane	VR183	698	813	756	7.6
1,1-dichloroethylene	VR183	382	410	396	3.5
Dichloromethane	VR183	8740	8680	8710	0.34
Perchloroethene	VR183	12200	13800	13000	6.2
Carbon Tetrachloride	VR183	< 5	< 5	---	---
Toluene	VR183	78800	86200	82500	4.5

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)			
Trichloroethene	VR183	4500	4530	4520	0.33
1,1,1-trichloroethane	VR183	134	134	134	0.0
Chloroform	VR183	< 5	< 5	---	---
Vinyl Chloride	VR183	2710	2850	2780	2.5
m + p-xylenes	VR183	27300	30500	28900	5.5
o-xylene	VR183	8220	9180	8700	5.5
Freon-11	VR183	577	586	581	0.76
Freon-12	VR183	6520	6630	6570	0.88

A set of 2 Tedlar bag samples laboratory numbers, 90483-(12 & 13) 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 22 repeat measurements from the sample set of 2 Tedlar bag samples is 3.4%.

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: February 22, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: February 17, 1993
Date Analyzed: February 19, 1993

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)
90483-12	VR183	45.4	44.8

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	Perm. Gases	1160.1 Toxics	TGNMO	H_2S	DCDFM	TCFM	CH_4			Field Comments	Lab* Comments
VR183	2/16/93	17:10	LFG	✓	✓	✓	✓	✓	✓					90483-12
VR155	2/16/93	15:05	Probe East 8-D	✓	✓	✓		✓	✓	11%				90483-13

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/17/93	10:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Van R. Patten	2/17/93	10:00

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

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

February 23, 1993

LTR/064/93

MAR 1 - 1993
VALLEY RECLAMATION

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for two Tedlar bag samples received on February 17, 1993.

The samples were analyzed for SCAQMD Rule 1150.1 components, (including Freon-11 & Freon-12) permanent gases, total gaseous non-methane organics, hydrogen sulfide.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

AtmAA Inc.
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laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: February 22, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: February 17, 1993
Date Analyzed: February 17, & 19, 1993

AtmAA Lab No.:	90483-12	90483-13
Sample I.D.:	VR183 LFG	VR155 Probe East 8-D
Components:	(Concentration in %, v/v)	
Nitrogen	16.8	60.3
Oxygen	0.88	1.08
Methane	42.1	14.9
Carbon Dioxide	39.2	23.8
	(Concentration in ppm, v/v)	
TGNMO	4940	567
	(Concentration in ppb, v/v)	
Acetonitrile	159	<0.8
Benzene	2040	33.2
Benzylchloride	<20	<6
Chlorobenzene	997	<25
Dichlorobenzenes*	985	61.7
1,1-dichloroethane	5160	44.6
1,2-dichloroethane	756	23.9
1,1-dichloroethylene	396	50.2
Dichloromethane	8710	<30
Perchloroethene	13000	271
Carbon Tetrachloride	<5	<5
Toluene	82500	257
1,1,1-trichloroethane	134	<4
Trichloroethene	4520	73.4
Chloroform	<5	<5
Vinyl Chloride	2780	308
m + p-xylenes	28900	194
o-xylene	8700	68.1
Freon-11	581	<3
Freon-12	6570	354

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.
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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR155	60.5	60.1	60.3	0.33
Oxygen	VR155	1.14	1.03	1.08	5.1
Methane	VR183	42.0	42.2	42.1	0.24
Carbon Dioxide	VR183	38.9	39.4	39.2	0.64
		(Concentration in ppm, v/v)			
TGNMO	VR183	5070	4820	4940	2.5
		(Concentration in ppb, v/v)			
Acetonitrile	VR183	164	154	159	3.1
Benzene	VR183	1990	2100	2040	2.7
Benzylchloride	VR183	< 20	< 20	---	---
Chlorobenzene	VR183	944	1050	997	5.3
Dichlorobenzenes*	VR183	910	1060	985	7.6
1,1-dichloroethane	VR183	4630	5690	5160	10
1,2-dichloroethane	VR183	698	813	756	7.6
1,1-dichloroethylene	VR183	382	410	396	3.5
Dichloromethane	VR183	8740	8680	8710	0.34
Perchloroethene	VR183	12200	13800	13000	6.2
Carbon Tetrachloride	VR183	< 5	< 5	---	---
Toluene	VR183	78800	86200	82500	4.5

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)			
Trichloroethene	VR183	4500	4530	4520	0.33
1,1,1-trichloroethane	VR183	134	134	134	0.0
Chloroform	VR183	< 5	< 5	—	—
Vinyl Chloride	VR183	2710	2850	2780	2.5
m + p-xylenes	VR183	27300	30500	28900	5.5
o-xylene	VR183	8220	9180	8700	5.5
Freon-11	VR183	577	586	581	0.76
Freon-12	VR183	6520	6630	6570	0.88

A set of 2 Tedlar bag samples laboratory numbers, 90483-(12 & 13) 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 22 repeat measurements from the sample set of 2 Tedlar bag samples is 3.4%.

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: February 22, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: February 17, 1993
Date Analyzed: February 19, 1993

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)
90483-12	VR183	45.4	44.8

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	Perm. Gases	1150.1 Toxics	TGNMO	H_2S	DCDFM	TCFM	CH_4			Field Comments	Lab* Comments
VR183	2/16/93	17:10	LFG	✓	✓	✓	✓	✓	✓					90483-12
VR155	2/16/93	15:05	Probe East 8-D	✓	✓	✓		✓	✓	11%				90483-13

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/17/93	10:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Van R. Pater	2/17/93	10:00

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

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

April 8, 1993 LTR/117/93

Frank Kiesler
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No 8146351-01

Dear Frank:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for five Tedlar bag samples received on March 31, 1993.

The samples were analyzed for SCAQMD Rule 1150.1 components, 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: April 7, 1993
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: March 31, 1993
Date Analyzed: April 1, 1993

AtmAA Lab No.:	90903-15	90903-16	90903-17	90903-18	90903-19
Sample I.D.:	VR250	VR254	VR252	VR251	VR253
	D.W.	U.W.	U.W.	D.W.	D.W.
	24hr.	<24hr.	24hr.	<24hr.	<24hr.
					Dup.
Components	(Concentration in ppmv)				
Methane	3.50	3.86	8.07	8.86	5.01
TGNMO	1.71	1.90	1.83	1.74	1.67
	(Concentration in ppbv)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	1.72	1.73	2.25	1.56	1.61
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	0.42	0.78	0.86	0.56	0.46
Perchloroethene	0.32	0.23	0.37	0.25	0.26
Carbon Tetrachloride	0.097	0.099	0.10	0.098	0.10
Toluene	5.54	4.33	4.62	4.37	3.86
1,1,1-trichloroethane	3.00	1.69	2.33	1.78	1.78
Trichloroethene	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroform	<0.08	<0.08	<0.08	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1
m+p-xylenes	2.05	1.69	2.34	1.99	1.76
o-xylene	0.70	0.39	0.66	0.53	0.72

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
** total amount containing meta, para, and ortho isomers*
Sample Lab No. 90903-6 was received with valve in open position.

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Date Received: March 31, 1993
P.O. No.: 8146351-01

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	VR252	8.06	7.93	8.07	0.18
	VR251	8.87	8.86	8.86	0.06
	VR253	5.01	5.00	5.01	0.09
TGNMO	VR252	1.91	1.75	1.83	4.4
	VR251	1.78	1.69	1.74	2.9
	VR253	1.79	1.55	1.67	7.2
		(Concentration in ppbv)			
Acetonitrile	VR251	<0.8	<0.8	---	---
Benzene	VR250	1.94	1.49	1.72	13
Benzylchloride	VR252	<0.8	<0.8	---	---
Chlorobenzene	VR250	<0.1	<0.1	---	---
Dichlorobenzenes*	VR252	<1.1	<1.1	---	---
1,1-dichloroethane	VR250	<0.4	<0.4	---	---
1,2-dichloroethane	VR250	<0.2	<0.2	---	---
1,1-dichloroethylene	VR252	<0.1	<0.1	---	---
Dichloromethane	VR252	0.88	0.84	0.86	2.3
Perchloroethene	VR251	0.25	0.25	0.25	0.0
	VR253	0.25	0.26	0.26	2.0
Carbon Tetrachloride	VR251	0.10	0.095	0.098	2.6
	VR253	0.10	0.10	0.10	0.0
Toluene	VR250	5.77	5.30	5.54	4.2
1,1,1-trichloroethane	VR251	1.80	1.76	1.78	1.1
	VR253	1.78	1.78	1.78	0.0

QUALITY ASSURANCE SUMMARY

(Repeat Analysis)

(continued)

Components	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppbv)			
Trichloroethene	VR251	< 0.06	< 0.06	---	---
Chloroform	VR251	< 0.08	< 0.08	---	---
Vinyl Chloride	VR252	< 0.1	< 0.1	---	---
m + p-xylenes	VR250	2.20	1.90	2.05	7.3
o-xylene	VR250	0.67	0.72	0.70	3.6

A set of 5 Tedlar bag samples laboratory numbers, 90903-(15-19) 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 17 repeat measurements from the sample set of 5 Tedlar bag samples is 3.0%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name BRADLEY

Sampler: (Signature) V. Altel

Bag Identification Number	Date	Time	Type Of Sample	Methane	TGNMO	1150.1 Toxics							Field Comments	Lab* Comments
VR 250	3/30/93	11:00	DW 24 hr.	✓	✓	✓								90963-15
Valve* VR 254	3/31/93	00:00	UW <24 hr.	✓	✓	✓								-16
Rec'd VR 252	3/30/93	11:00	UW 24 hr.	✓	✓	✓								-17
open VR 251	3/31/93	00:00	DW <24 hr.	✓	✓	✓								-18
VR 253	3/31/93	00:00	DW <24 hr. (DUP.)	✓	✓	✓								-19

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
V. Altel	3/31/93	13:45			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	3/31/93	13:45

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

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 1/5/93 START TIME: 1420 FINISH TIME: 1530

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	1.41	Ø								
E-2S	-2.31	Ø								
E-2M	-.07	.1								
E-2D	3.79	Ø								
E-3	-.59	Ø								
E-4	.38	Ø								
E-5S	-1.62	Ø								
E-5M	-.51	Ø								
E-5D	-1.20	Ø								
6	-.56	Ø								
1	-1.03	Ø								
E-8S	-.30	Ø								
E-8M	Ø	Ø								
E-8D	-.73	Ø								
E-9 *										
E-10	Ø	Ø								
E-11S	.05	Ø								
E-11M	.08	Ø								
E-11D	.73	Ø								
E-12	.10	Ø								
E-13 *	-.01									
E-14S	+.05	Ø								
E-14M	-.34	Ø								
E-14D	-.41	Ø								

COMMENTS: *E7 → Probe under repair
E-13 → Probe clogged

Valley Reclamation Co.
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Sun Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.88

BY: R Johnson DATE 1/5/93 START TIME: 15:50 FINISH TIME: 17:00

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.06	0								
W-1M	0.11	0								
W-1D	0.26	0								
W-2A	0.15	0								
W-2B	0.04	5.0								
W-3S	0.08	0								
W-3M	0.15	0								
W-3D	0.33	0								
W-4	0.11	0								
W-5S	0.05	0								
W-5M	0.15	0								
W-5D	0.44	0								
W-6	0.15	0.2								
W-7S	0.07	0								
W-7M	0.24	0.1								
W-7D	0.55	0								
W-8	0.06	0								
W-9A	0.04	0								
W-9B	0.09	0								
W-10S	0.04	0.1								
W-10M	0.30	3.0								
W-10D	0.12	0								
W-11	0.07	0								
W-12S	0.02	0								
W-12M	0.15	0								
W-12D	1.00	0								
W-13	0.07	0								
W-14S	0.03	0								
W-14M	0.11	0								
W-14D	0.63	0								

COMMENTS:

Valley Reclamation Co.
9227 T[illegible]ings Avenue
[illegible] Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
[redacted]

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

BAROMETRIC (before): 3001
BAROMETRIC (after): 3000

BY: [illegible] DATE 1-14-93 START TIME: 1:30 FINISH TIME: 2:19

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	+.1	0								
W-1M	+.1	0	41			3	.71	48.3	22.7	
W-1D	+.2	0	86	N/A	-3.4	17	.37	20.4	40.8	9 CFM
W-2A	0	0	96	124°	-6.6	29	.57	25.7	39.6	+ 27 CFM
[redacted]			100S	134°	-4.4	18	.31	19.6	42.1	+ 12 CFM
W-3S	0	0	100D	127°	-1.4	10	.30	18.8	42.6	+ 8.9 CFM
W-3M	0	0								
W-3D	0	0								
W-4	0	0								
W-5S	0	0								
W-5M	0	0								
W-5D	0	0								
W-6	0	0								
W-7S	0	0								
W-7M	0	0								
W-7D	0	0								
W-8	0	0								
W-9A	-.1	0								
W-9B	0	0								
W-10S	0	0								
W-10M	0	0								
W-10D	0	0								
W-11	0	0								
W-12S	0	0								
W-12M	0	0								
W-12D	+.1	0								
[redacted]										
W-14D	0	0								

COMMENTS: Trickles on GAS WELL # 41 @ 3 CFM

Valley Reclamation Co.
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GAS PROBE READINGS
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B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 1/22/93 START TIME: 16:35 FINISH TIME: 18:00

*	PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
0	E-1	0.00	0								
0	E-2S	0.00	0								
0	E-2M	0.00	0								
0	E-2D	0.01	0								
0	E-3	0.00	0								
0	E-4	0.00	0								
0	E-5S	0.00	0								
0	E-5M	0.06	0								
0	E-5D	0.00	0								
	-6	0.03	0								
	/										
0	E-8S	0.00	~~0.00~~								
0	E-8M	-0.01	0								
0	E-8D	0.24	10.0								
0	E-9	-0.28	0								
0	E-10	0.00	0								
0	E-11S	0.05	0								
0	E-11M	0.06	0								
0	E-11D	0.59	0								
0	E-12	0.08	0								
0	E-13	-0.43	0								
0	E-14S	-0.22	0								
0	E-14M	-0.03	0								
0	E-14D	-0.60	0								

COMMENTS: * Methane leading from Gastech meter
** - probe flooded from - Drainage from MRF.

Valley Reclamation Co.
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Sun Valley, CA 91352
(818) 767-6180

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B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.94

BY: R. Johnson DATE 1/27/93 START TIME: 16:40 FINISH TIME: 17:30

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	-0.05	0								
W-1M	-0.08	0								
W-1D	-0.09	0								
W-2A	-0.04	0								
W-2B	0.08	0								
W-3S	-0.03	0								
W-3M	-0.04	0								
W-3D	0.03	0								
W-4	-0.03	0								
W-5S	-0.03	0								
W-5M	-0.08	0								
W-5D	0.10	0								
W-6	-0.04	0								
W-7S	-0.04	0								
W-7M	-0.04	0								
W-7D	0.28	0								
W-8	-0.03	0								
W-9A	0.03	0								
W-9B	0.05	7.0								
W-10S	0.03	0								
W-10M	0.58	0								
W-10D	0.08	12.0								
W-11	0.03	0								
W-12S	0.01	0								
W-12M	0.09	0								
W-12D	0.69	0								
W-13	0.01	0								
W-14S	-0.02	0								
W-14M	-0.01	0								
W-14D	0.33	0								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 29.99
BAROMETRIC (after):

BY: R Johnson DATE 1/27/93 START TIME: 14:45 FINISH TIME: 16:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	0								
E-2S	0.00	0								
E-2M	0.05	0								
E-2D	0.02	0								
E-3	0.00	0								
E-4	0.00	0								
E-5S	0.05	0								
E-5M	0.10	0								
E-5D	0.00	0.1								
E-6	0.09	0								
E-7	-0.04	0								
E-8S	0.04	0								
E-8M	0.05	0								
E-8D	0.37	12.0								
E-9	0.11	0								
E-10	0.14	0								
E-11S	0.05	0								
E-11M	0.06	0								
E-11D	0.47	0								
E-12	0.08	0								
* E-13	0.00	0								
E-14S	-0.01	0								
E-14M	-0.06	0								
E-14D	0.16	0								

COMMENTS: * Plugged - unable to draw ∈ Pump

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.05

BY: Rul DATE 2/5/93 START TIME: 16:35 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	.03	Ø								
W-1M	.05	Ø								
W-1D	Ø	Ø								
W-2A	.01	Ø								
W-2B	.04	Ø								
W-3S	.01	Ø								
W-3M	.04	Ø								
W-3D	.14	Ø								
W-4	-.01	Ø								
W-5S	.01	Ø								
W-5M	.01	Ø								
W-5D	.14	Ø								
W-6	.01	Ø								
W-7S	.02	Ø								
W-7M	.06	Ø								
W-7D	.17	0.2								
W-8	.02	Ø								
W-9A	.01	Ø								
W-9B	.02	Ø								
W-10S	.02	Ø								
W-10M	.33	Ø								
W-10D	.04	6.0								
W-11	.03	Ø								
W-12S	.03	Ø								
W-12M	.08	Ø								
W-12D	.45	Ø								
W-13	.05	Ø								
W-14S	.02	Ø								
W-14M	.05	Ø								
W-14D	.25	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kleeler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: Rel DATE 2/5/93 START TIME: 15:55 FINISH TIME: 16:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	Ø								
E-2S	-.02	Ø								
E-2M	-.01	0.1								
E-2D	Ø	Ø								
E-3	Ø	Ø								
E-4	.02	Ø								
E-5S	.01	Ø								
E-5M	.01	Ø								
[illegible]D	.02	Ø								
[illegible]	.02	Ø								
[illegible]-7	-.09	Ø								
E-8S	.01	Ø								
E-8M	-.03	Ø								
E-8D	.12	14.0								
E-9	.02	Ø								
E-10	.02	Ø								
E-11S	.02	Ø								
E-11M	.03	Ø								
E-11D	.07	Ø								
E-12	.04	Ø								
E-13 *										
E-14S	.02	Ø								
E-14M	.02	Ø								
E-14D	.06	Ø								

[illegible]MMENTS:

[illegible]3 → Probe Plugged

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Bisknborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.05

BY: R. Johnson DATE 2/11/93 START TIME: 14:40 FINISH TIME:

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	Ø								
E-2S	-0.01	0.0								
E-2M	0.00	0.3								
E-2D	-0.02	1.4								
E-3	-0.02	Ø								
E-4	0.00	Ø								
E-5S	0.01	Ø								
E-5M	0.00	Ø								
E-5D	0.00	Ø								
E-6	0.00	0.3								
E-7	0.01	0.2								
E-8S	0.00	Ø								
E-8M	-0.01	0.2								
E-8D	0.68	12.0								
E-9	~~0.81~~	~~0.7~~								
E-10	0.00	~~0.4~~								
E-11S	0.00	Ø								
E-11M	0.74	Ø								
E-11D	0.13	Ø								
E-12	0.10	Ø								
E-13	0.00	Ø								
E-14S	0.00	Ø								
E-14M	0.00	Ø								
E-14D	0.00	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.08

BY: R Johnson DATE 2/12/93 START TIME: 18:25 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	-.07	Ø								
W-1M	-.13	Ø								
W-1D	-.16	Ø								
W-2A	-.11	Ø								
W-2B	-.09	Ø								
W-3S	-.12	Ø								
W-3M	-.14	Ø								
W-3D	-.16	Ø								
W-4	-.16	Ø								
W-5S	-.06	Ø								
W-5M	-.15	Ø								
V-5D	-.06	Ø								
W-6	-.11	Ø								
W-7S	-.05	Ø								
W-7M	-.13	Ø								
W-7D	-.13	0.1%								
W-8	-.06	Ø								
W-9A	-.03	Ø								
W-9B	-.06	Ø								
W-10S	-.02	Ø								
W-10M	.12	Ø								
W-10D	.06	7								
W-11	-.02	Ø								
W-12S	-.02	Ø								
W-12M	-.03	Ø								
W-12D	.13	Ø								
W-13	-.02	Ø								
W-14S	-.02	Ø								
W-14M	-.05	Ø								
V-14D	Ø	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

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

BY: R Johnson DATE 1/22/93 START TIME: 15:20 FINISH TIME: 16:30

#	PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
0	W-1S	0.10	0								
0	W-1M	0.17	0								
0	W-1D	0.40	0								
0	W-2A	0.29	0								
0	W-2B	0.15	0								
0	W-3S	0.13	0								
0	W-3M	0.23	0								
0	W-3D	0.54	0								
0	W-4	0.24	0								
0	W-5S	0.08	0								
0	W-5M	0.22	0								
0	V-5D	0.72	0								
0.1	W-6	0.24	0								
0	W-7S	0.14	0								
0	W-7M	0.42	0								
0	W-7D	0.87	0								
0	W-8	0.15	0								
0	W-9A	0.11	0								
4.0	W-9B	0.24	8.0								
0	W-10S	0.13	0								
0	W-10M	1.19	0								
3.0	W-10D	0.30	8.0								
0	W-11	0.11	0								
0	W-12S	0.10	0								
0	W-12M	0.29	0								
0	W-12D	0.38	0								
0	W-13	0.14	0								
0.0	W-14S	0.04	0								
0	W-14M	0.17	0								
	W-14D	0.90	0								

COMMENTS:

Valley Reclamation Co.
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): _____
BAROMETRIC (after): 29.36

BY: Vicki/Riel DATE 2/23/93 START TIME: 14:15 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.24	0								
W-1M	0.39	0								
W-1D	0.74	0								
W-2A	0.29	0								
W-2B	0.32	0								
W-3S	0.32	0								
W-3M	0.20	0								
W-3D	0.69	0								
W-4	0.38	0								
W-5S	0.20	0								
W-5M	0.40	0								
W-5D	1.05	0.1								
W-6	0.41	0								
W-7S	0.28	0								
W-7M	0.59	0								
W-7D	1.06	0.1								
W-8	0.30	0								
W-9A	0.29	0								
W-9B	0.35	1.0								
W-10S	0.18	0								
W-10M	0.77	0								
W-10D	0.40	15.0								
W-11	0.20	0								
W-12S	0.11	0								
W-12M	0.30	0								
W-12D	1.36	0								
W-13	0.21	0								
W-14S	0.09	0								
W-14M	0.24	0								
W-14D	1.07	0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.12

BY: Vicki Riel DATE 3/4/93 ~~1310~~ START TIME: 13:10 FINISH TIME: 14:05

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	.4	0								
W-1M	.1	Ø								
W-1D	.20	Ø								
W-2A	.08	Ø								
W-2B	.10	Ø								
W-3S	.07	Ø								
W-3M	.20	Ø								
W-3D	.33	Ø								
W-4	.04	Ø								
W-5S	.06	Ø								
W-5M	.06	Ø								
W-5D	.16	Ø								
W-6	.17	Ø								
W-7S	.09	Ø								
W-7M	.20	Ø								
W-7D	.16	Ø								
W-8	.08	Ø								
W-9A	.05	Ø								
W-9B	.05	Ø								
W-10S	.01	Ø								
W-10M	.34	Ø								
W-10D	.13	1								
W-11	.06	Ø								
W-12S	.05	Ø								
W-12M	.09	Ø								
W-12D	.43	Ø								
W-13	.10	Ø								
W-14S	.03	Ø								
W-14M	.05	Ø								
W-14D	.21	Ø								

COMMENTS:

Valley Reclamation Co.
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Sun Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.13

BY: Vicki/Rick DATE 3/5/99 START TIME: 13:50 FINISH TIME:

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	3.56	0								
E-2S	-3.14	Ø								
E-2M	-0.29	0.1								
E-2D	-2.96	Ø								
E-3	1.54	Ø								
E-4	-0.04	Ø								
E-5S	-0.29	Ø								
E-5M	0.18	Ø								
E-5D	-0.53	Ø								
E-6	0.22	Ø								
E-7	0.03	Ø								
E-8S	0.30	Ø								
E-8M	-0.23	0.1								
E-8D	0.81	7.0								
E-9	0.16	Ø								
E-10	0.12	Ø								
E-11S	-0.01	Ø								
E-11M	0.01	Ø								
E-11D	-.01	Ø								
E-12	0.24	Ø								
E-13	Ø	Ø								
E-14S	-0.25	Ø								
E-14M	-0.16	Ø								
E-14D	0.57	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

EQUIPMENT USED:
Gas Tech. NP-204
Neotronics, PDM 204

BAROMETRIC (before): _____
BAROMETRIC (after): 29.86

BY: Vicki/Riel DATE 2/23/93 START TIME: 14:15 FINISH TIME: _____

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.24	0								
W-1M	0.39	0								
W-1D	0.74	0								
W-2A	0.29	0								
W-2B	0.32	0								
W-3S	0.32	0								
W-3M	0.20	0								
W-3D	0.69	0								
W-4	0.38	0								
W-5S	0.20	0								
W-5M	0.40	0								
W-5D	1.05	0.1								
W-6	0.41	0								
W-7S	0.28	0								
W-7M	0.59	0								
W-7D	1.06	0.1								
W-8	0.30	0								
W-9A	0.29	0								
W-9B	0.35	1.0								
W-10S	0.18	0								
W-10M	0.77	0								
W-10D	0.40	15.0								
W-11	0.20	0								
W-12S	0.11	0								
W-12M	0.30	0								
W-12D	1.36	0								
W-13	0.21	0								
W-14S	0.09	0								
W-14M	0.24	0								
W-14D	1.07	0								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.12

BY: Vicki Riel DATE 3/4/93 ~~1310~~ START TIME: 13:10 FINISH TIME: 14:05

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	.4	Ø								
W-1M	.1	Ø								
W-1D	.20	Ø								
W-2A	.08	Ø								
W-2B	.10	Ø								
W-3S	.07	Ø								
W-3M	.20	Ø								
W-3D	.33	Ø								
W-4	.04	Ø								
W-5S	.06	Ø								
W-5M	.06	Ø								
W-5D	.16	Ø								
W-6	.17	Ø								
W-7S	.09	Ø								
W-7M	.20	Ø								
W-7D	.16	Ø								
W-8	.08	Ø								
W-9A	.05	Ø								
W-9B	.05	Ø								
W-10S	.01	Ø								
W-10M	.34	Ø								
W-10D	.13	1								
W-11	.06	Ø								
W-12S	.05	Ø								
W-12M	.09	Ø								
W-12D	.43	Ø								
W-13	.10	Ø								
W-14S	.03	Ø								
W-14M	.05	Ø								
W-14D	.21	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

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P. Yamamoto
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D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.13

BY: Vicki/Rick DATE 3/5/99 START TIME: 13:50 FINISH TIME:

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	3.56	0								
E-2S	-3.14	Ø								
E-2M	-0.29	0.1								
E-2D	-2.96	Ø								
E-3	1.54	Ø								
E-4	-0.04	Ø								
E-5S	-0.29	Ø								
E-5M	0.18	Ø								
E-5D	-0.53	Ø								
E-6	0.22	Ø								
E-7	0.03	Ø								
E-8S	0.30	Ø								
E-8M	-0.23	0.1								
E-8D	0.81	7.0								
E-9	0.16	Ø								
E-10	0.12	Ø								
E-11S	-0.01	Ø								
E-11M	0.01	Ø								
E-11D	-.01	Ø								
E-12	0.24	Ø								
E-13	Ø	Ø								
E-14S	-0.25	Ø								
E-14M	-0.16	Ø								
E-14D	0.57	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
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BRADLEY LANDFILL
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Revision 5

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P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 30.03
BAROMETRIC (after):

BY: Ried/Vicki DATE 3/9/93 START TIME: 15:30 FINISH TIME: 16:15

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.17	Ø								
W-1M	0.15	Ø								
W-1D	0.31	Ø								
W-2A	0.07	Ø								
W-2B	0.13	Ø								
W-3S	0.09	Ø								
W-3M	0.18	Ø								
W-3D	0.37	Ø								
W-4	0.11	Ø								
W-5S	0.08	Ø								
W-5M	0.17	Ø								
W-5D	0.50	Ø								
W-6	0.11	Ø								
W-7S	0.07	Ø								
W-7M	0.24	Ø								
W-7D	0.57	Ø								
W-8	0.07	Ø								
W-9A	0.05	0.1								
W-9B	0.12	Ø								
W-10S	0.05	Ø								
W-10M	0.91	Ø								
W-10D	0.13	14								*
W-11	0.06	Ø								
W-12S	0.02	Ø								
W-12M	0.12	Ø								
W-12D	0.75	Ø								
W-13	0.08	Ø								
W-14S	0.03	Ø								
W-14M	0.08	Ø								
W-14D	0.45	Ø								

COMMENTS:

Valley Reclamation Co.
9227 Tujunga Avenue
Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before): 30.03
BAROMETRIC (after):

BY: Ried / Vicki DATE 3/9/93 START TIME: 14:30 FINISH TIME: 15:30

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ	
E-1	0.10	Ø									
E-2S	Ø	Ø									
E-2M	Ø	0.1									
E-2D	2.12	2									**
E-3	0.18	Ø									
E-4	-0.01	Ø									
E-5S	0.04	Ø									
E-5M	0.09	Ø									
E-5D	-1.04	Ø									*
E-6	0.09	Ø									
E-7	0.09	Ø									
E-8S	0.06	Ø									
E-8M	0.11	0.1									
E-8D	0.55	10									**
E-9	0.08	Ø									7.5 × 1
E-10	0.07	Ø									
E-11S	0.07	Ø									
E-11M	0.07	Ø									
E-11D	0.52	Ø									
E-12	0.10	Ø									
E-13	-4.37	Ø									*
E-14S	0.07	Ø									
E-14M	0.07	Ø									
E-14D	0.37	Ø									

COMMENTS:

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F. Kiesler
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P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

QUIPMENT USED:
Gas Tech, NP-204
Neotronics, PDM 204

BAROMETRIC (before):
BAROMETRIC (after): 30.01

BY: Vicki/Rick DATE 3-15-93 START TIME: 14:30 FINISH TIME: 15:20

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	Ø								
E-2S	0.00	0.2								
E-2M	0.09	2.0								
E-2D	0.12	Ø								
E-3	-0.01	Ø								
E-4	-0.01	Ø								
E-5S	0.02	Ø								
E-5M	0.04	Ø								
E-5D	-1.68	Ø								
E-6	0.03	Ø								
E-7	-0.83	Ø								
E-8S	0.04	Ø								
E-8M	0.05	Ø								
E-8D	0.25	10.0								
E-9	0.02	Ø								
E-10	0.05	Ø								
E-11S	0.06	Ø								
E-11M	0.07	Ø								
E-11D	0.27	0.1								
E-12	0.07	Ø								
E-13	-26.0	Ø								
E-14S	0.01	Ø								
E-14M	0.01	Ø								
E-14D	0.20	Ø								

COMMENTS:

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Revision 5

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

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

BAROMETRIC (before):
BAROMETRIC (after): 30.01

BY: Viki / Riel DATE 3/15/93 START TIME: 15:35 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.06	Ø								
W-1M	0.14	Ø								
W-1D	0.28	Ø								
W-2A	0.07	Ø								
W-2B	0.13	Ø								
W-3S	0.10	Ø								
W-3M	0.19	Ø								
W-3D	0.37	Ø								
W-4	0.09	Ø								
W-5S	0.04	Ø								
W-5M	0.10	Ø								
W-5D	0.42	0.1								
W-6	0.12	Ø								
W-7S	0.04	Ø								
W-7M	0.19	Ø								
W-7D	0.44	Ø								
W-8	0.05	Ø								
W-9A	0.03	Ø								
W-9B	0.10	2.0								
W-10S	0.03	0.3								
W-10M	0.62	Ø								
W-10D	0.12	7.0								
W-11	0.02	Ø								
W-12S	0.01	Ø								
W-12M	0.06	Ø								
W-12D	0.52	Ø								
W-13	-0.02	0.1								
W-14S	-0.02	Ø								
W-14M	-0.05	Ø								
W-14D	0.18	Ø								

COMMENTS:

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 29.82

BY: Rick/Vicky DATE 3-26-93 START TIME: 14:10 FINISH TIME:

PROBE	PRESS	CH4%	WELL #	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.12	Ø								
W-1M	0.18	Ø								
W-1D	0.31	Ø								
W-2A	-0.09	Ø								
W-2B	0.04	Ø								
W-3S	0.12	0.2								
W-3M	0.21	1.6								
W-3D	0.39	Ø								
W-4	0.17	Ø								
W-5S	0.05	Ø								
W-5M	0.14	Ø								
W-5D	0.46	Ø								
W-6	0.14	5.0								
W-7S	0.04	0.5								
W-7M	0.24	Ø								
W-7D	0.57	Ø								
W-8	0.07	0.3								
W-9A	0.05	Ø								
W-9B	0.04	Ø								
W-10S	0.07	17.0								
W-10M	0.82	Ø								
W-10D	0.07	4.0								
W-11	0.06	Ø								
W-12S	0.06	Ø								
W-12M	0.14	Ø								
W-12D	0.93	Ø								
W-13	0.13	Ø								
W-14S	0.06	Ø								
W-14M	0.14	Ø								
W-14D	0.58	Ø								

COMMENTS: OX1939 ~~calibrated~~ Adjt after Measuring Probes

Low Scale 5% = 2.3
High Scale 100% = 42

Valley Reclamation Co.
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Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 5

cc: G. Loughnane
F. Kiesler
B. Austin
P. Yamamoto
B. Biskeborn
D. Vidal
EMD Techs

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

BAROMETRIC (before):
BAROMETRIC (after): 30.00

BY: Vicki/Rel DATE 3/24/93 START TIME: 15:10 FINISH TIME:

PROBE	PRESS	CH4%	WELL 3	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.00	Ø								
E-2S	0.00	0.6								
E-2M	0.05	Ø								
E-2D	0.23	Ø								
E-3	0.62	Ø								
E-4	0.00	Ø								
E-5S	0.02	Ø								
E-5M	0.04	Ø								
E-5D	0.04	Ø								
E-6	0.02	Ø								
E-7	0.06	Ø								
E-8S	0.04	Ø								
E-8M	0.03	Ø								
E-8D	0.33	8.0								
E-9	0.04	Ø								
E-10	0.04	Ø								
E-11S	0.04	0.2								
E-11M	0.05	Ø								
E-11D	0.32	Ø								
E-12	0.08	Ø								
E-13	-9.63	Ø								
E-14S	0.05	Ø								
E-14M	0.06	Ø								
E-14D	0.30	Ø								

COMMENTS: