TETRA TECH GEO

175 North Corporate Drive
Suite 100
Brookfield, WI 53045
262-792-1282 FAX 262-792-1310

STATUS REPORT FOR APRIL 2011 SAMPLING EVENT
FF/NN LANDFILL
RIPON, WISCONSIN

June 30, 2011

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

Tetra Tech GEO
175 N. Corporate Drive, Suite 100
Brookfield, Wisconsin 53045

Project No. 117-2202.040

Michael R. Noel, P.G.
Vice-President, Principal Hydrogeologist

Kevin F. Lincicum, P.G.
Senior Project Hydrogeologist

STATUS REPORT FOR APRIL 2011 SAMPLING EVENT

TABLE OF CONTENTS

Page No.

TABLE OF CONTENTS (Continued)

FIGURES

CHARTS

TABLE OF CONTENTS (Continued)

TABLES

TABLE OF CONTENTS (Continued)

ATTACHMENTS

CONTRACT SF-92-01

STATUS REPORT FOR APRIL 2011 SAMPLING EVENT

SITE NAME/ACTIVITY:

FF/NN Landfill
Ripon, Wisconsin
Groundwater Monitoring and Corrective Action

WDNR File Ref. No.: 02-20-000915

PREPARED BY:

Mr. Michael R. Noel and Mr. Kevin F. Lincicum
Tetra Tech GEO
175 N. Corporate Drive, Suite 100
Brookfield, Wisconsin 53045

Tetra Tech GEO Ref No.:117-2202.040

PREPARED FOR:

Ms. Christine Lilek
Wisconsin Department of Natural Resources
1155 Pilgrim Road
Plymouth, WI 53073

Mr. Gary Edelstein, P.E.
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707

Mr. Bernard Schorle
U S Environmental Protection Agency
SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604

DATE:

June 30, 2011

FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 27 monitoring wells in April 2011. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.

- A total of 27 monitoring wells, two leachate wells and three private drinking wells were sampled for VOCs during the April 2011 event. Three duplicate samples were collected for quality control. A matrix spike and matrix spike duplicate were collected for quality control. The revised groundwater monitoring program that was agreed upon in a February 2010 meeting between the WDNR and the FF/NN Landfill PRP Group was followed for this sampling event.

- Landfill gas monitoring in the gas probes and monitoring wells was conducted in April by Jack Wendler from the City of Ripon. Jack Wendler has conducted biweekly gas monitoring of the extraction system vents and wells. Gas samples for VOC analysis were taken in April 2011 by Jack Wendler.

RESULTS OF FIELD ACTIVITIES

Groundwater Monitoring Event - Groundwater Elevations

The groundwater monitoring wells located at the FF/NN Landfill are grouped into four layers based on well screen elevations to better evaluate groundwater quality at discrete depth intervals. Attachment A contains a table showing the wells for each of the four layers.

For the April 2011 sampling event, groundwater elevations were measured in all 27 monitoring wells by Ashley Weimer from Tetra Tech. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping. These elevations are provided in Table 1 and shown on Figures 1 through 4. Each layer is discussed separately below.

Layer 1 Wells

Layer 1 contains nine wells with screen elevations ranging from 812 feet to 821 feet MSL. All of these well screens intersect the water table. The groundwater elevations are displayed on Figure 1 and Chart 1. Compared to the event in January 2011, the water levels have increased in all nine wells. The water table elevations increased an average of 1.2 feet and the increases ranged from 0.9 feet in MW-112 to 1.5 feet in MW-101.

Historically, the groundwater flow direction in this layer has been to the southwest. The April 2011 groundwater flow direction is consistent with the historical results.

Layer 2 Wells

Layer 2 contains eight wells with screen elevations ranging from 774 feet to 792 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figure 2 and Chart 2. Compared to the event in January 2011, the water levels have increased in all eight wells. The water levels increased an average of 1.2 feet and the increase ranged from 0.8 feet in P-107 to 1.5 feet in P-101.

Historically, the groundwater flow direction in this layer has been to the south-southwest. The April 2011 groundwater flow direction is consistent with the historical results.

Layer 3 Wells

Layer 3 contains seven wells with screen elevations ranging from 634 feet to 704 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figure 3 and Chart 3. Compared to the event in January 2011, the water levels have increased in all seven wells. The water levels increased an average of 0.6 feet and the increase ranged from 0.1 feet in MW-3B to 1.1 feet in P-103D.

Historically, the groundwater flow direction in this layer has been southwesterly and becomes westerly further downgradient. The April 2011 groundwater flow direction is consistent with the historical results.

Layer 4 Wells

Layer 4 contains three wells with screen elevations ranging from 508 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill. The groundwater potentiometric surface for this layer is displayed on Figure 4 and Chart 4. Compared to the event in January 2011, the water levels decreased in all three wells. The water levels decreased an average of 0.7 feet. The decrease ranged from -0.2 feet in P-107D to -1.4 feet in MW-3A.

When pumping at the City of Ripon Municipal Well # 9 was terminated in May 2007, the flow direction shifted from the southeast to the west. The City brought Well # 9 back on line in April 2010. The groundwater flow direction in April 2011 is to the south-southeast reflecting the change due to pumping at Well # 9.

Groundwater Monitoring Event - Monitoring Well Sampling

The revised groundwater monitoring program that was agreed upon in a February 2010 meeting between the WDNR and the FF/NN Landfill PRP Group was followed for this sampling event. The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B. Analytical results and field forms are provided in Attachments B and C, respectively. The VOC analytical results for the monitoring wells are tabulated in Table 2. The temporal trend of chlorinated compound concentrations in all wells is provided in Charts 36 through 62.

Natural attenuation parameters were taken on selected wells during the April 2011 sampling event. The DO and ORP along with temperature, pH and conductivity were measured using a QED MP20 MicroPurge Flow Cell Meter. The iron II was measured in the field using CHEMetrics analyte-specific Vacu-vials® for photometric analysis using a CHEMetrics Model V-2000 LED photometer.

Following is a summary of the April 2011 VOC analytical results as they relate to groundwater standards for each well that was sampled. To better track impacts at various depths, the results are organized according to the four stratigraphic groupings of wells discussed previously.

Layer 1 Wells

MW-101 No detection of any VOC.

MW-102 No detection of any VOC.

MW-103 No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) has not been detected since October 2007. Trichloroethene (TCE) exceeded its preventative action limit (PAL) with a concentration of 2.1 ppb. Cis-1,2-dichloroethene (DCE) was detected below NR 140 standards.

MW-104 No compounds exceeded the NR 140 PAL. Chlorobenzene and 1,4-dichlorobenzene were detected well below NR 140 standards. These results are similar to the previous sampling event in May 2010. VC has not been detected in this well since April 2006 and benzene has not been detected since October 2007.

MW-106 No detection of any VOC.

MW-107 No detection of any VOC. The last detection of TCE was October 2009.

MW-108 No detection of any VOC.

MW-111 No detection of any VOC.

MW-112 No compounds exceeded the NR 140 standards. DCE was detected at 1.8 ppb. VC has not been detected in this well since the last sampling in May 2010.

Layer 2 Wells

P-101 No detection of any VOC.

P-102 No detection of any VOC.

P-103 VC was detected above the ES but below the LOQ with a concentration of 0.39 ppb. This concentration is similar to recent results which have been stable to declining.

P-104 No detection of any VOC.

P-106 No detection of any VOC. TCE was last detected in this well in October 2004.

P-107 VC was detected above the ES but below the LOQ with a concentration of 0.84 ppb. VC has been detected at low levels in this well and shows an overall stable trend.

P-108 No detection of any VOC.

P-111 No detection of any VOC.

Layer 3 Wells

MW-3B No detection of any VOC.

P-103D VC was detected above the ES but below the LOQ with a concentration of 0.69 ppb. This concentration is similar to recent results which have been stable to declining.

P-111D VC exceeded its ES at 5.8 ppb (7.1 ppb dup). DCE and chloroethane were detected at concentrations below NR 140 standards. The results are similar to past results.

P-113B No detection of any VOC.

P-114 VC exceeded its ES at 8.2 ppb (8.5 ppb duplicate). This result is higher than last sampling round but is similar to past results. DCE was detected at a concentration below NR 140 standards.

P-115 VC was detected over its ES at 1.4 ppb. This result is similar to those found in the past.

P-116 No detection of any VOC.

Layer 4 Wells

MW-3A No detection of any VOC.

P-107D VC exceeded its ES at 2.6 ppb. This concentration is the same as the last sampling round in January 2011 and is similar to past results.

P-113A No detection of any VOC.

Natural Attenuation Parameters

Because VC is the sole remaining contaminant of concern and because VC reduction is most commonly an aerobic process via direct oxidation, MNA parameters that can demonstrate oxidative conditions were taken. Based on EPA (1998) guidance, iron II was taken as indirect evidence of natural attenuation. The results of the MNA sampling are shown on Table 3 and continue to indicate that the aquifer is marginally aerobic.

Groundwater Monitoring Event - Private Drinking Water Well Sampling

Historically, seven private wells have been sampled. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Perry/Watkins, Gaastra and Rohde) were sampled and each sample was analyzed for volatile organic compounds (VOCs) using EPA Method 524.2 (Safe Drinking Water Act). In addition to VOC analysis, the samples were also analyzed for iron II. Analytical results and field forms are provided in Attachments B and C, respectively. The VOC analytical results for the private drinking water wells are tabulated in Table 3. No VOC's were detected in the private wells during this sampling event except for methylene

chloride which is a common lab-introduced chemical. VC has never been detected in any of these wells since sampling first began in 2001.

Interim Landfill Gas Extraction System Performance Monitoring

Results of the gas monitoring are presented in Tables 3 and 4 and Charts 5-30.

Current extraction is from shallow vent GV-6 and the three deep leachate wells (LC-1, LC-2 and LC-3). The other vents have remained closed to prevent oxygen levels from increasing above 5%. There were no modifications to the system during this monitoring period and the run time continues to be 6 hours per day.

Gas samples for VOC analysis were collected on April 25, 2011. The results are summarized on Table 6 and the lab report is included in Attachment B. The VOCs are generally higher than in the previous round of sampling. The shorter run time of 6 hours may be causing the increase in VOC concentrations. However, the historical data shows that VOCs have been significantly reduced since startup of the extraction system.

Monitoring of the gas probes and wells outside the limits of fill indicates that the gas extraction system has controlled gas migration from the fill area since startup in March 2006. Gas concentrations in all exterior wells and gas probes have been consistently below the methane LEL during this period.

UPCOMING ACTIVITIES PLANNED

Quarterly groundwater sampling, private water well sampling, water level measurements and landfill gas extraction point sampling will be conducted in July 2011.

Landfill gas monitoring will be conducted periodically by Jack Wendler from the City of Ripon.

The gas extraction system will continue to be monitored for effectiveness throughout this quarter.

PERSONNEL

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Mr. Kevin Lincicum is the Project Hydrogeologist who oversaw the field activities. The laboratory analyses for April 2011 groundwater samples were completed by Pace Analytical Services, Inc. in Green Bay, Wisconsin. The drinking water well samples were submitted to Pace Analytical Services, Inc. in Green Bay and were analyzed by Northern Lake Service, Inc. located in Crandon, Wisconsin. The laboratory analyses for the air samples was completed by Pace Analytical Services, Inc. located in Minneapolis, Minnesota.

FIGURES

BANECK

GAASTRA

P-116
(HADEL)

BICYCLE PATH

CHARLES STREET

P-113A
P-113B

P-114
(EHSTER)

LAYER 1
DIRECTION
OF FLOW

818

(818.51)
MW-108
P-108

MILLER
(abandoned)

P-115
(WIESE)

ALTNAU (abandoned)

SOUTH KORO ROAD

P-111
P-111D
MW-111
(818.37)

(820.23)
MW-112

GP-8

GP-2

GP-10

P-104
MW-104
(823.47)

GV-4

GP-11

GP-3

LC-3

GP-7

GV-1

GV-2

GV-3

LC-1

P-107D
P-107
MW-107
(819.76)

GV-5

GV-7

GV-6

GP-6

GV-8

P-101
MW-101
(823.66)

P-103D
P-103
MW-103
(821.34)

LC-2

GV-9

GV-10

GV-11

GV-12

GP-4

819

820

821

822

823

824

ROHDE

GP-1

GP-12

P-102
MW-102
(824.10)

GP-5

MW-3A
MW-3B

P-106
MW-106
(824.02)

CTY HWY FF

EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- (823.29) — GROUNDWATER ELEVATION

N

SCALE

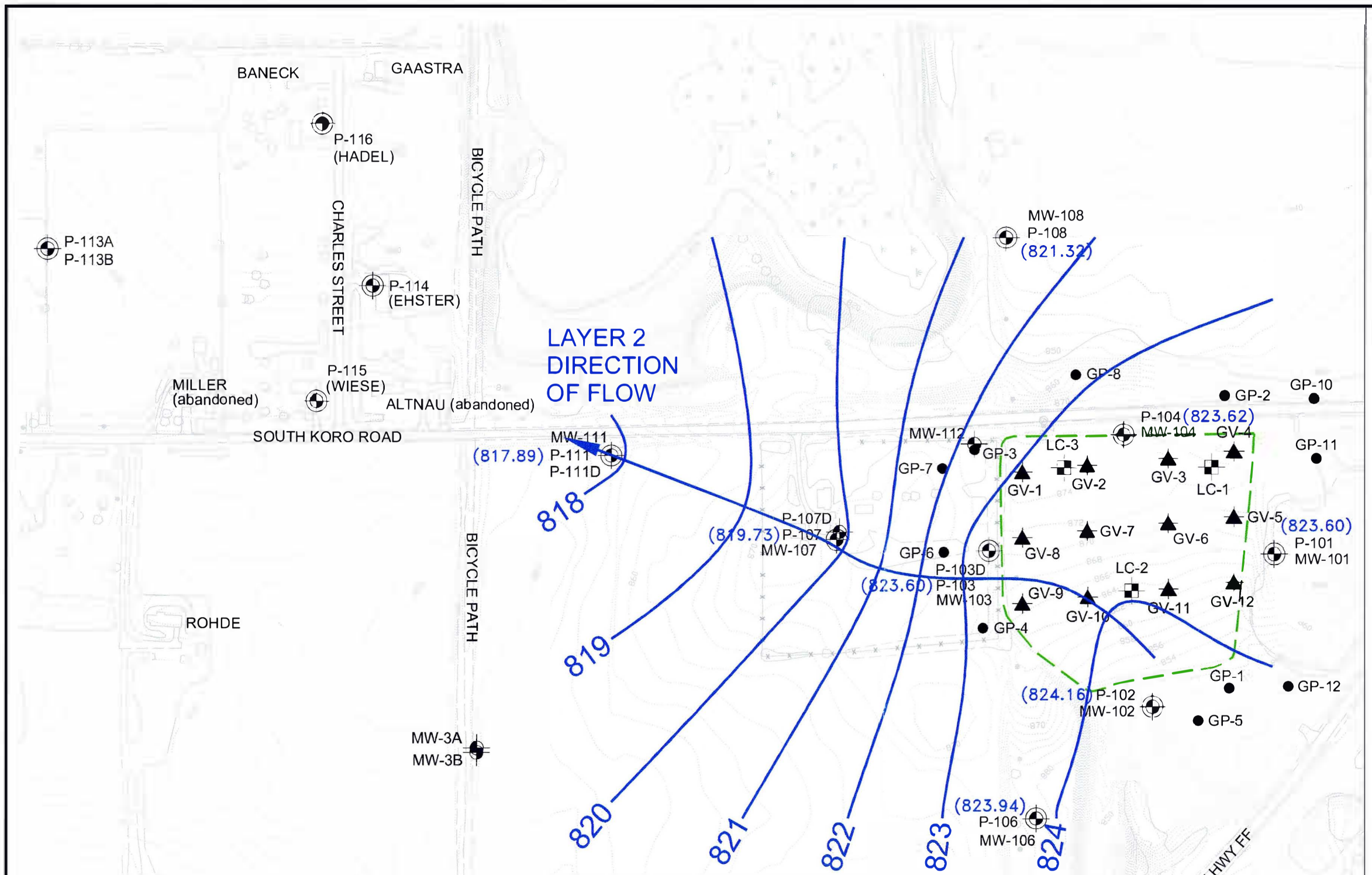
0 500

Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 4/15/11
	DESIGNED: HJW
GROUNDWATER ELEVATIONS LAYER 1 WELLS APRIL 2011	CHECKED: MRN
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 1

S:\CAD\RIPON\2202.040\4-15-11\2202040FIG1.DWG



EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- (823.25) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL
RIPON, WISCONSIN

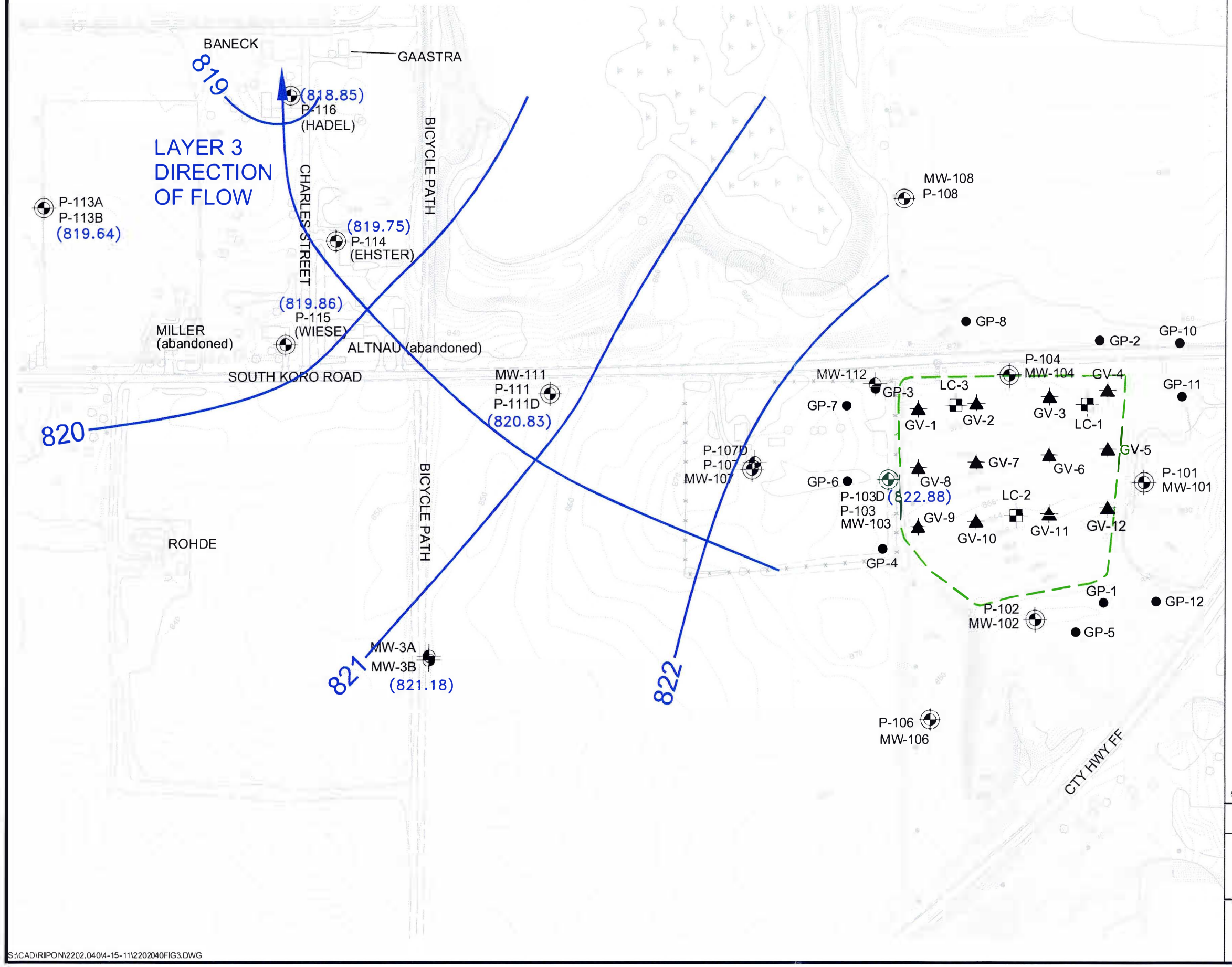
GROUNDWATER ELEVATIONS
LAYER 2 WELLS
APRIL 2011

DATE:	4/15/11
DESIGNED:	HJW
CHECKED:	MRN
APPROVED:	MRN
DRAWN:	HJW
PROJ.:	117-2202040

TETRA TECH

Figure 2

S:\CAD\RIPON\2202.040\4-15-11\2202040FIG2.DWG



EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- (822.35) — GROUNDWATER ELEVATION

N

SCALE

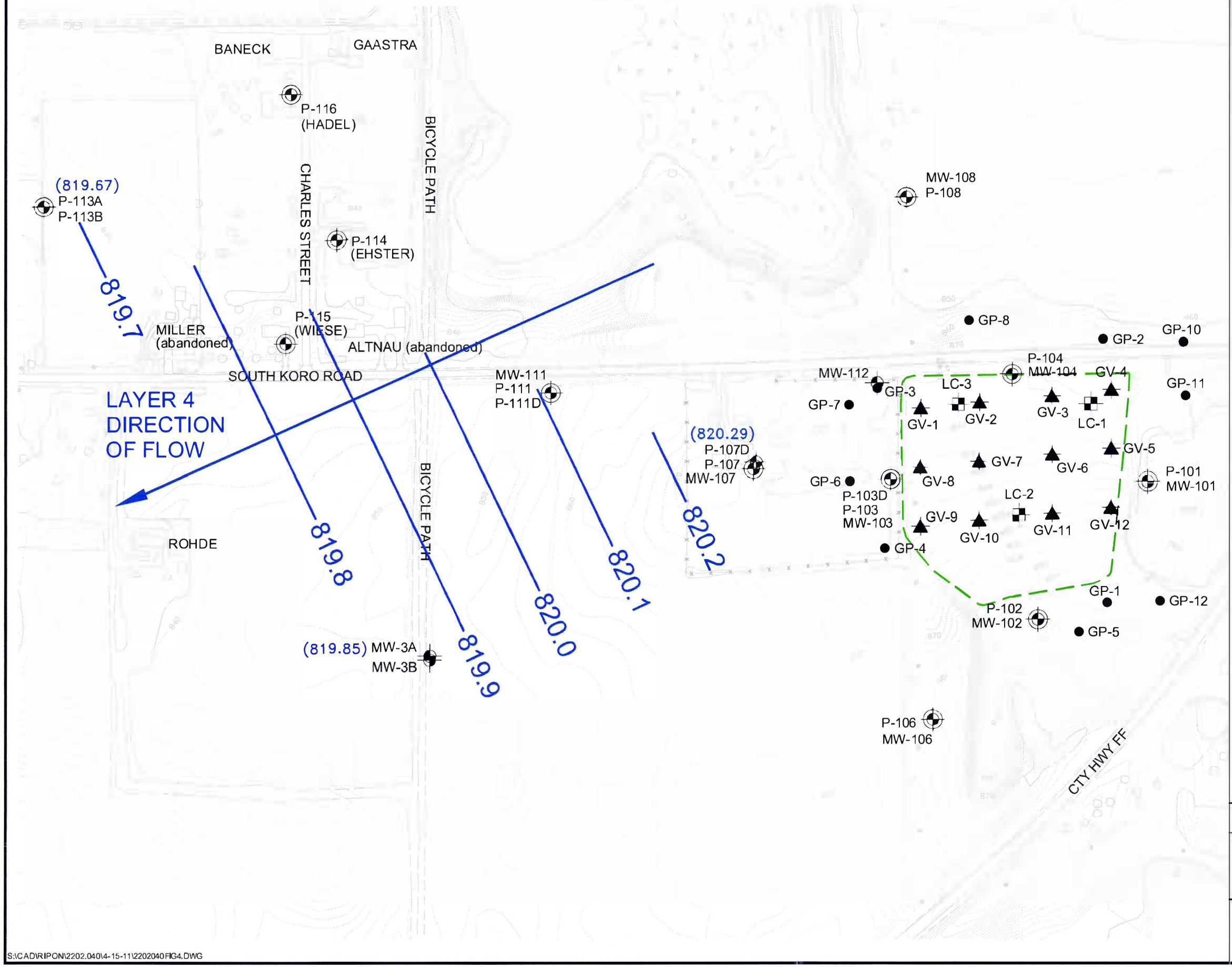
0 500

Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 4/15/11
	DESIGNED: HJW
GROUNDWATER ELEVATIONS	CHECKED: MRN
LAYER 3 WELLS	APPROVED: MRN
APRIL 2011	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 3

S:\CAD\RIPON\2202.040\4-15-11\2202040FIG3.DWG



EXPLANATION

- P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 — GAS PROBE LOCATION AND DESIGNATION
- GV-1 — GAS VENT LOCATION AND DESIGNATION
- (820.05) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 4 WELLS
APRIL 2011

DATE:	4/15/11
DESIGNED:	HJW
CHECKED:	MRN
APPROVED:	MRN
DRAWN:	HJW
PROJ.:	117-2202040

TETRA TECH

Figure 4

S:\CAD\RIPON\2202.040\4-15-11\2202040FIG4.DWG

CHARTS

Chart 1: Layer 1 Historic Water Level Data

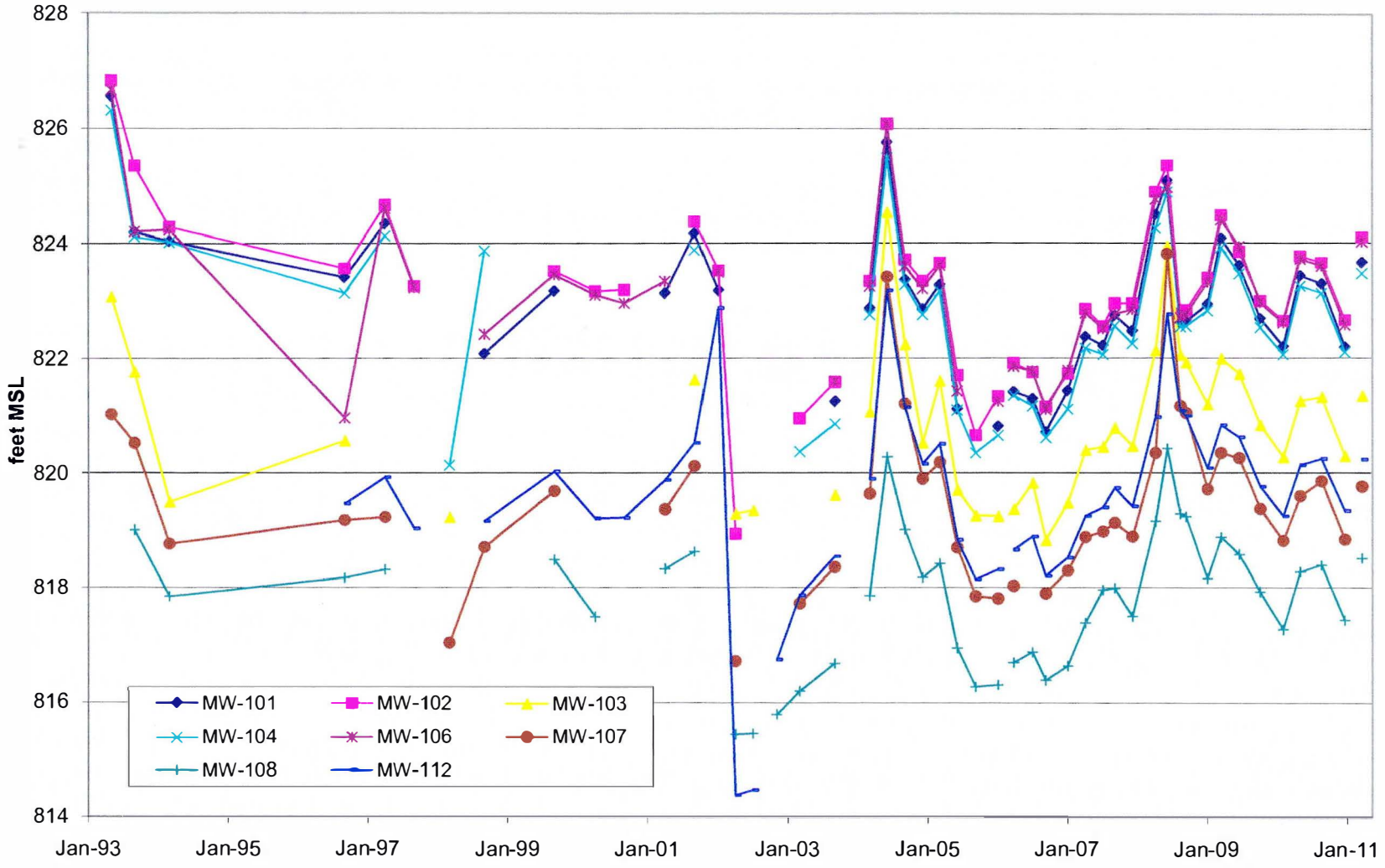


Chart 2: Layer 2 Historic Water Level Data

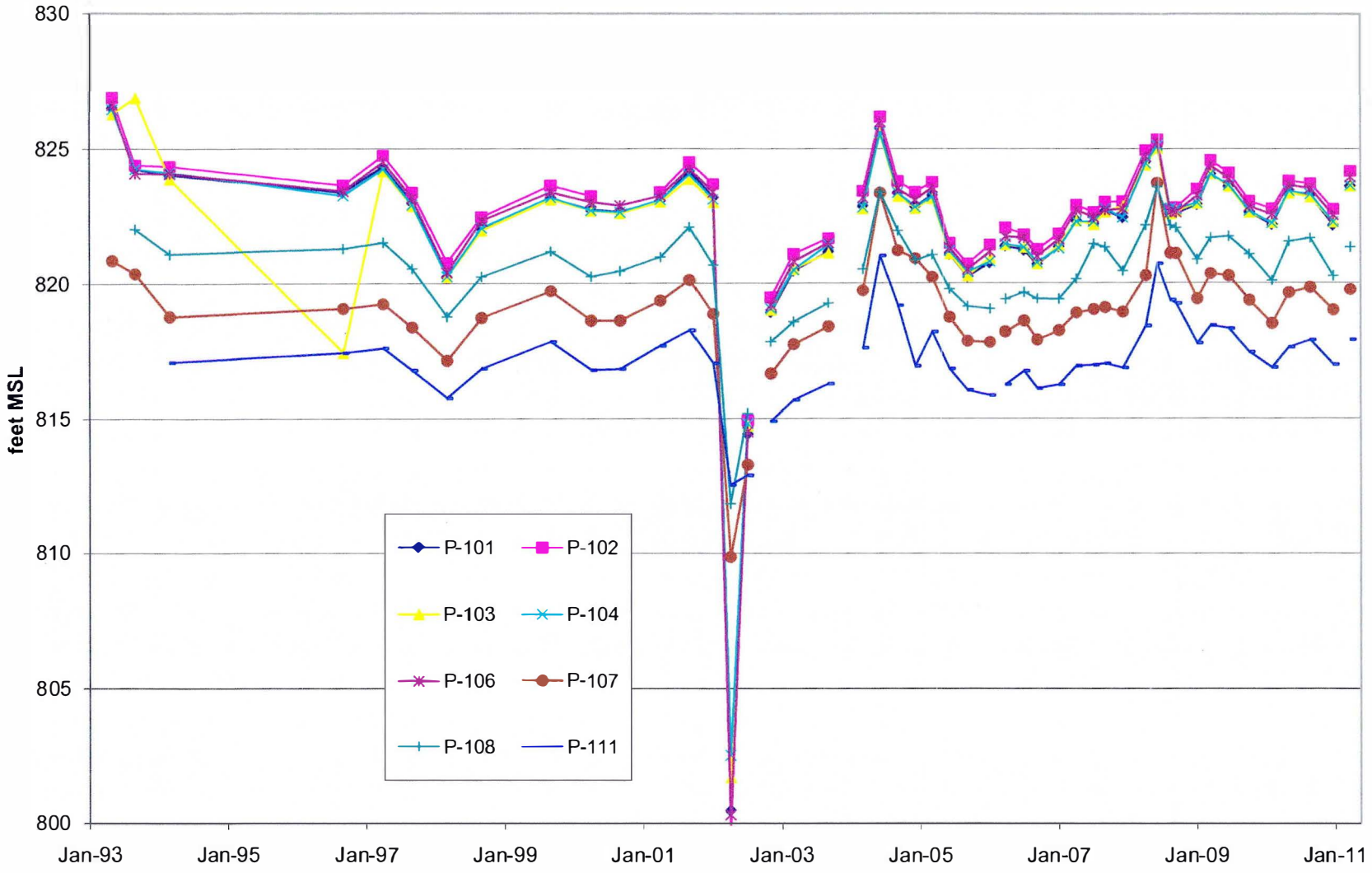


Chart 3: Layer 3 Historic Water Level Data

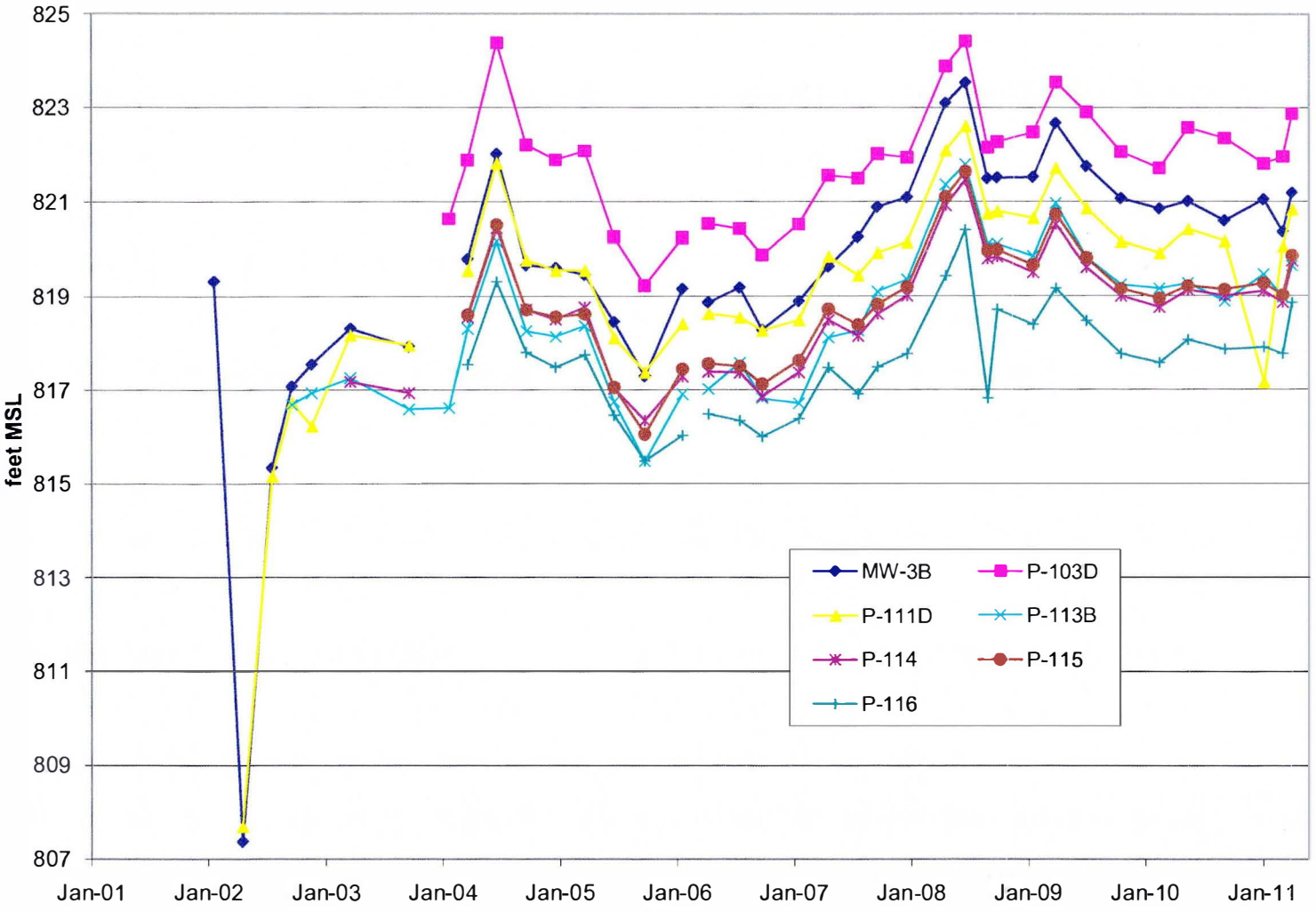


Chart 4: Layer 4 Historic Water Level Data

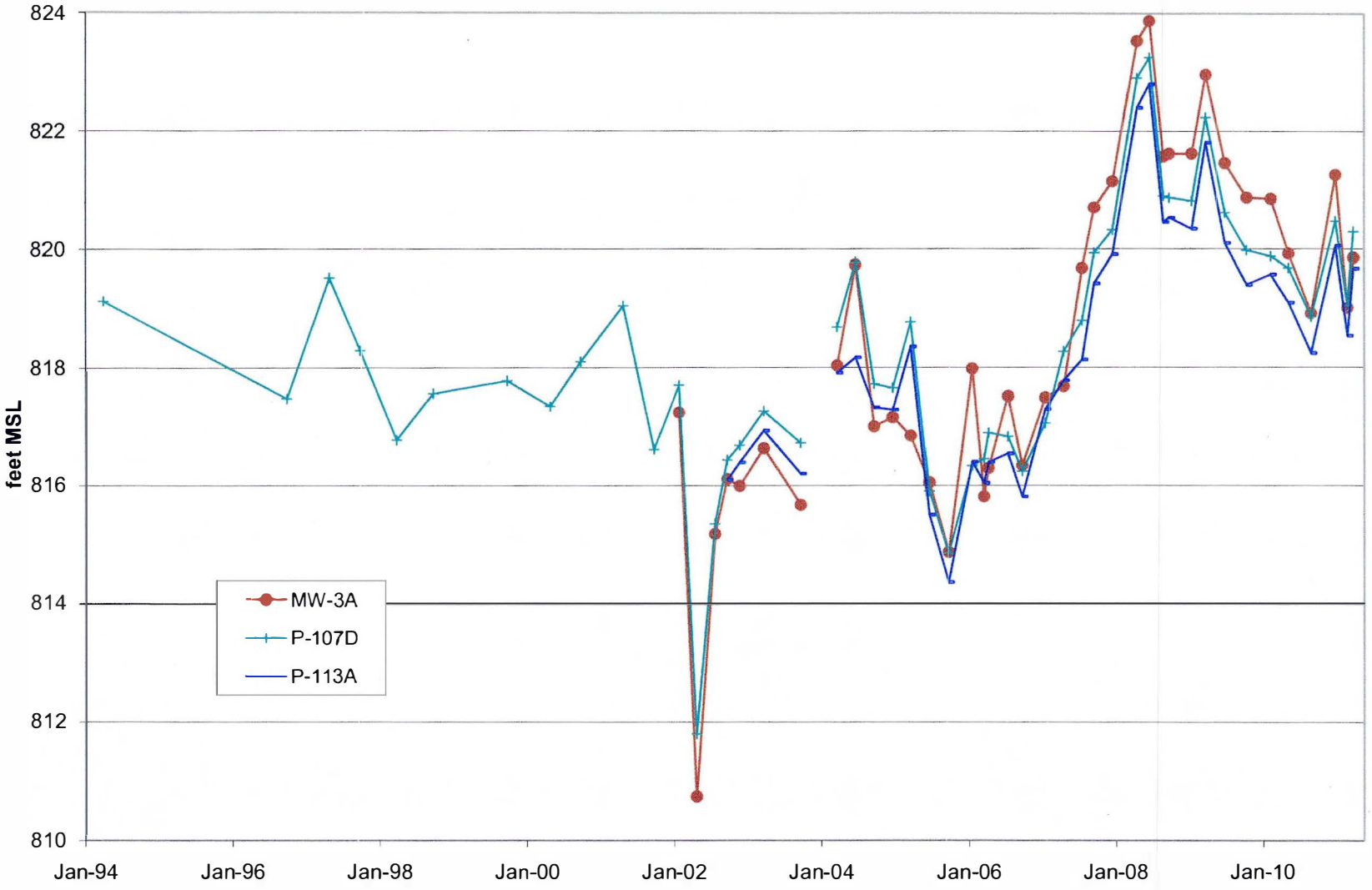
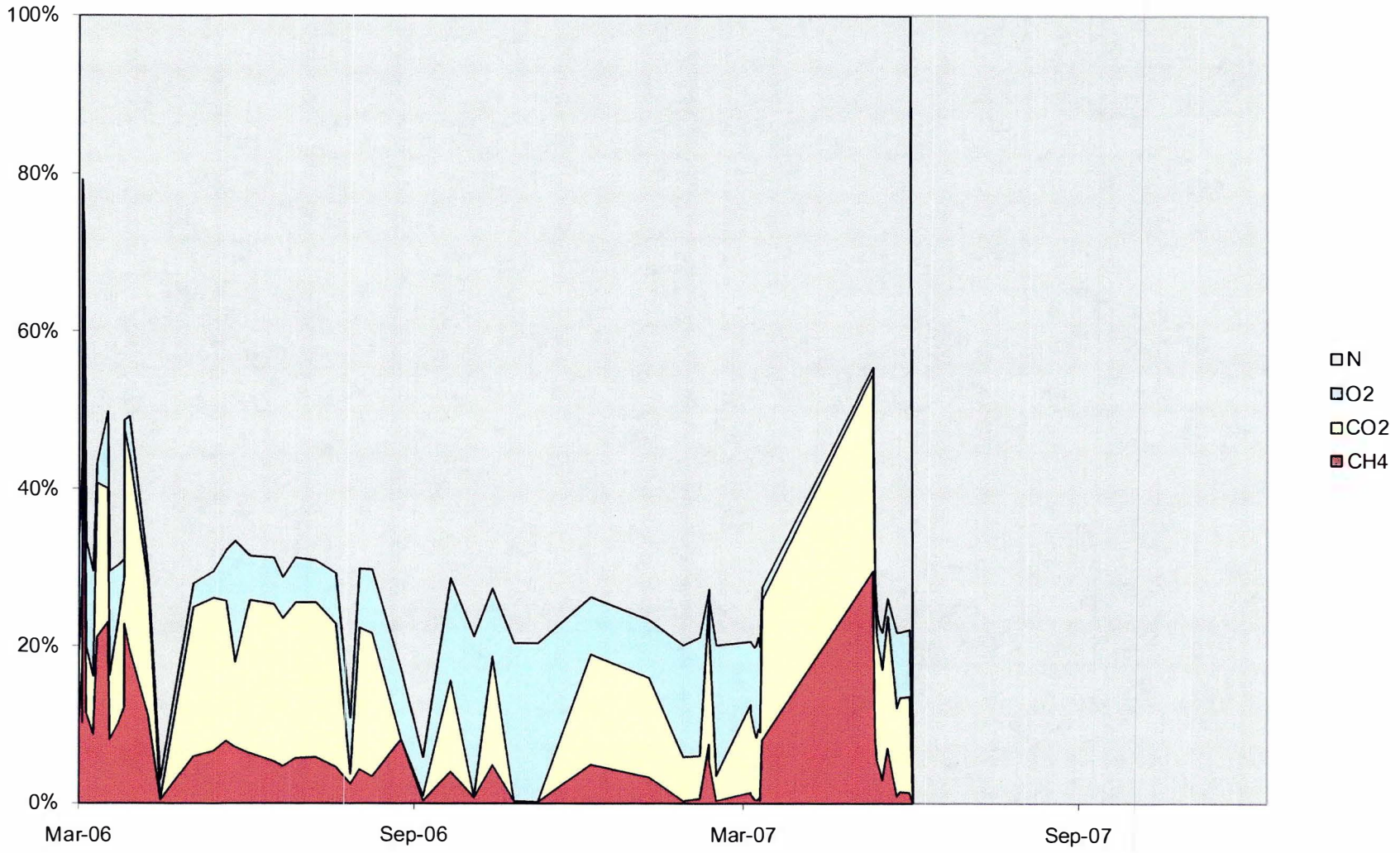
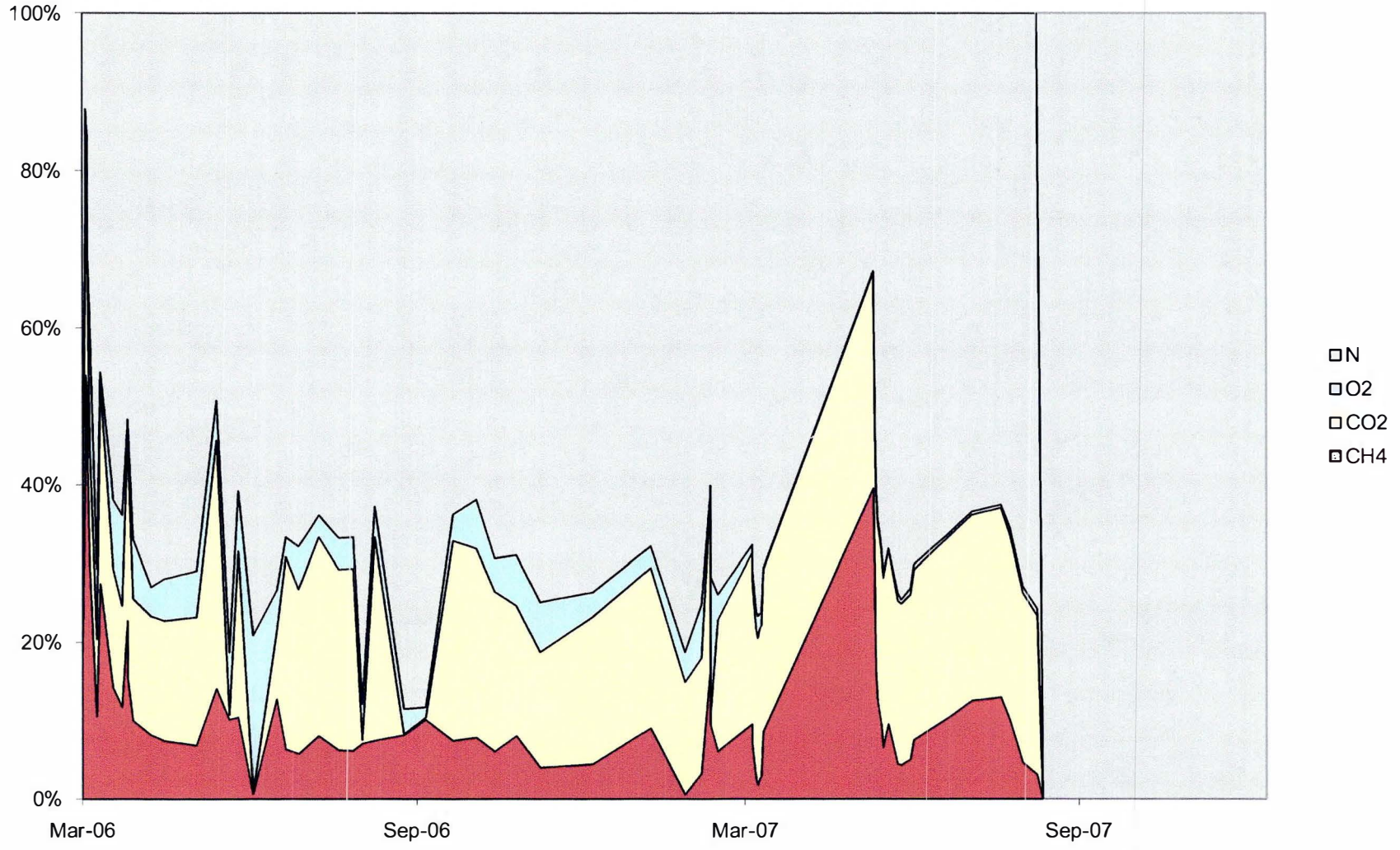


Chart 5: GV-1 Gas Concentrations



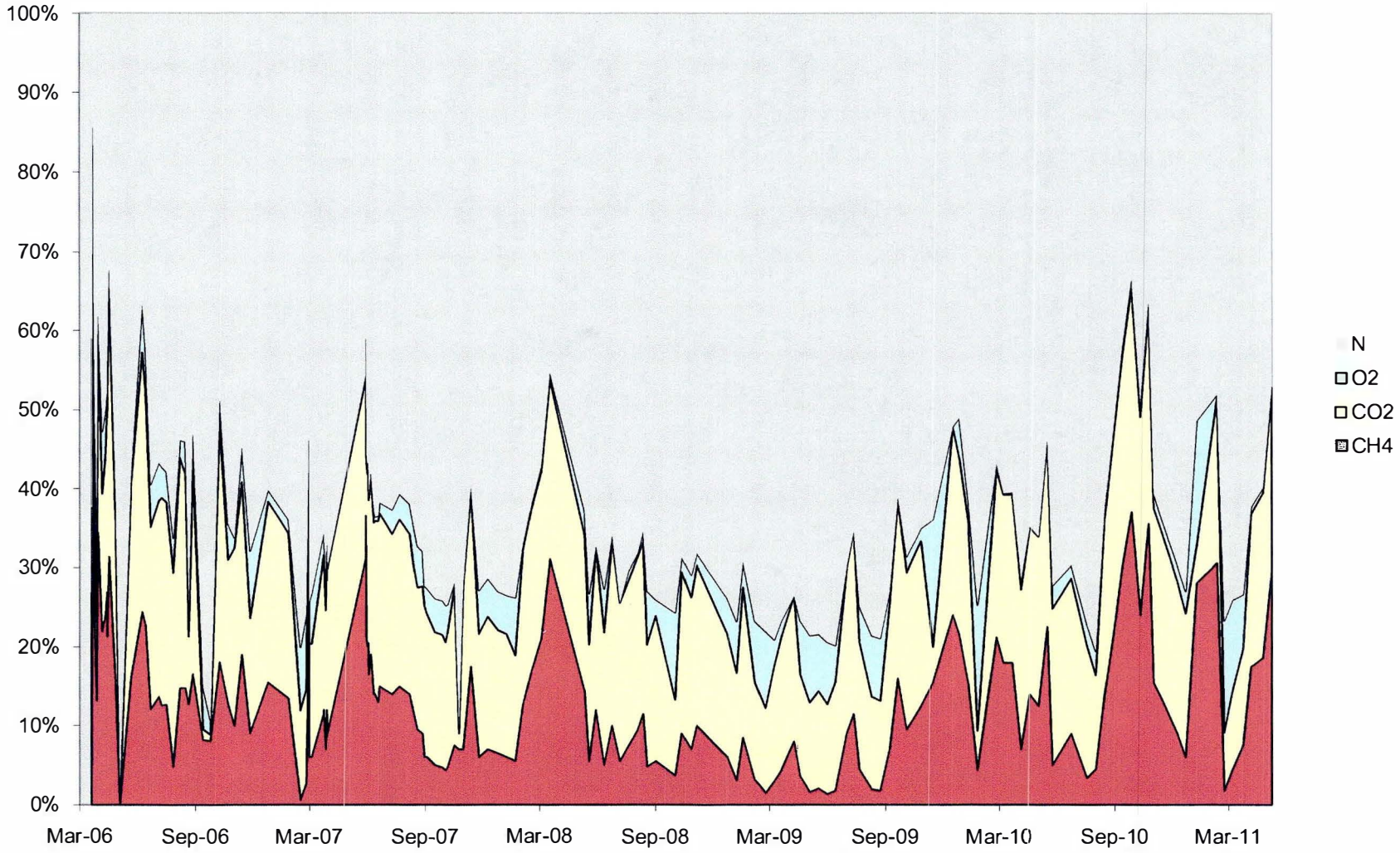
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 6: GV-4 Gas Concentrations



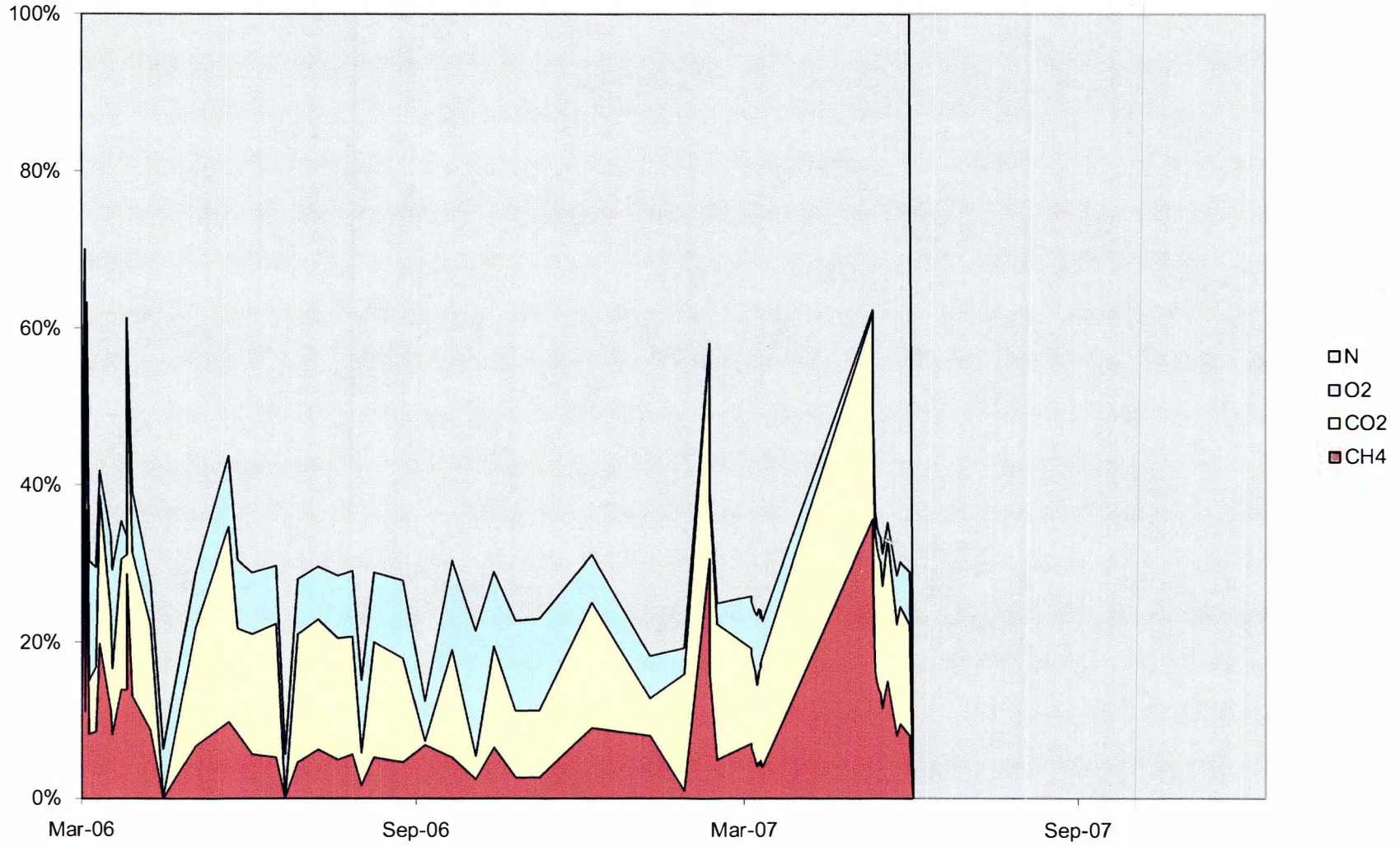
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 7: GV-6 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 8: GV-7 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 9: GV-9 Gas Concentrations

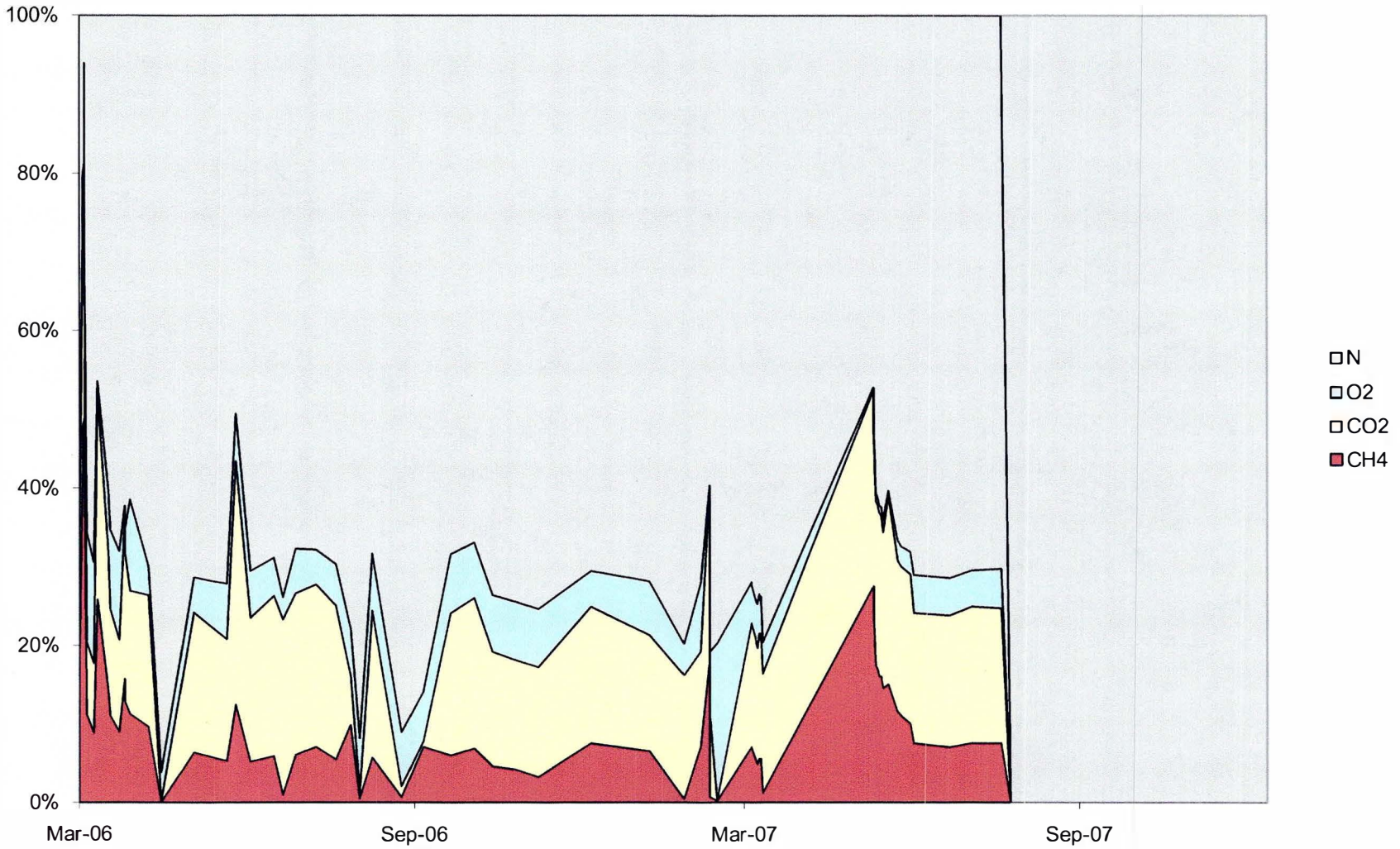
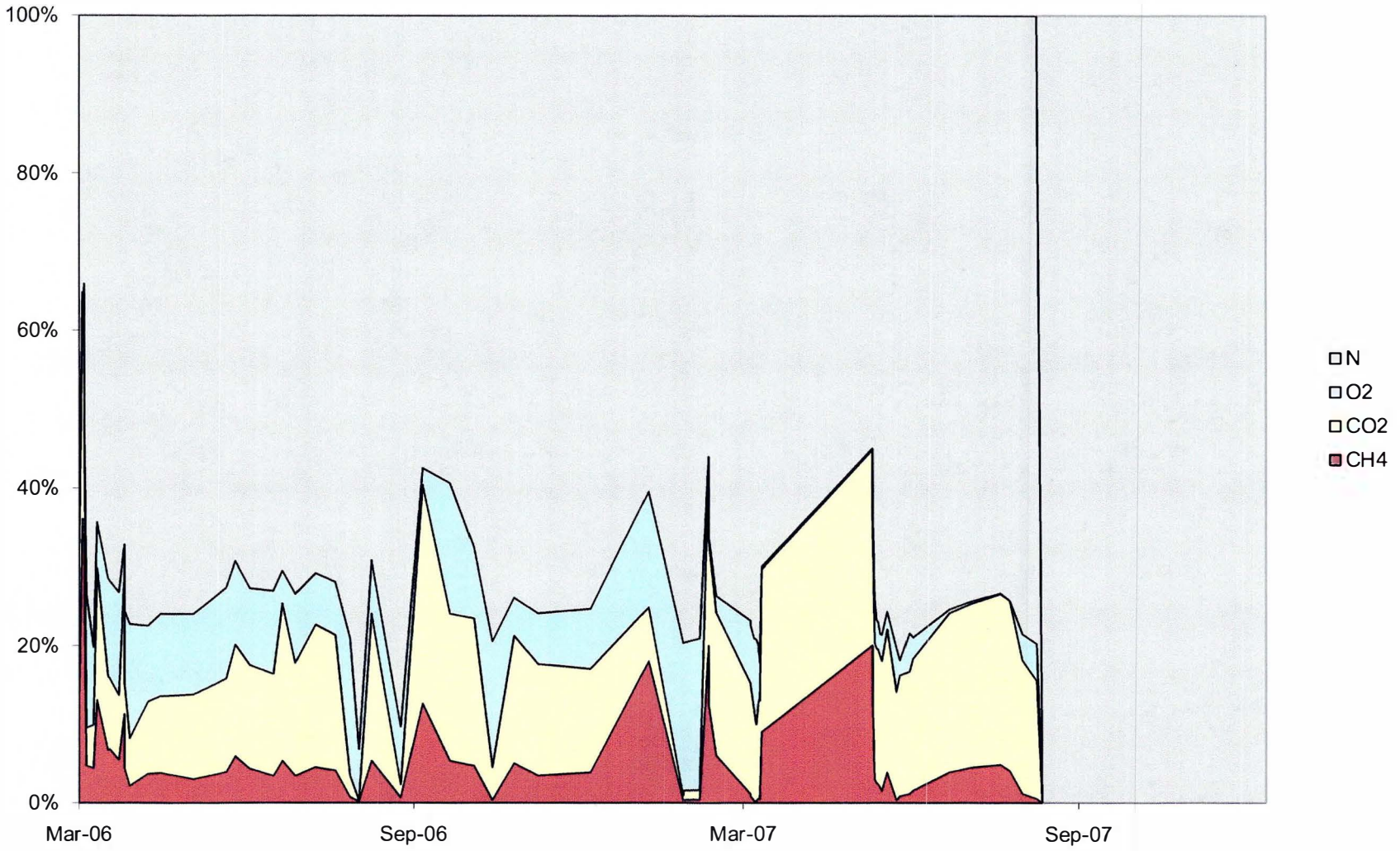
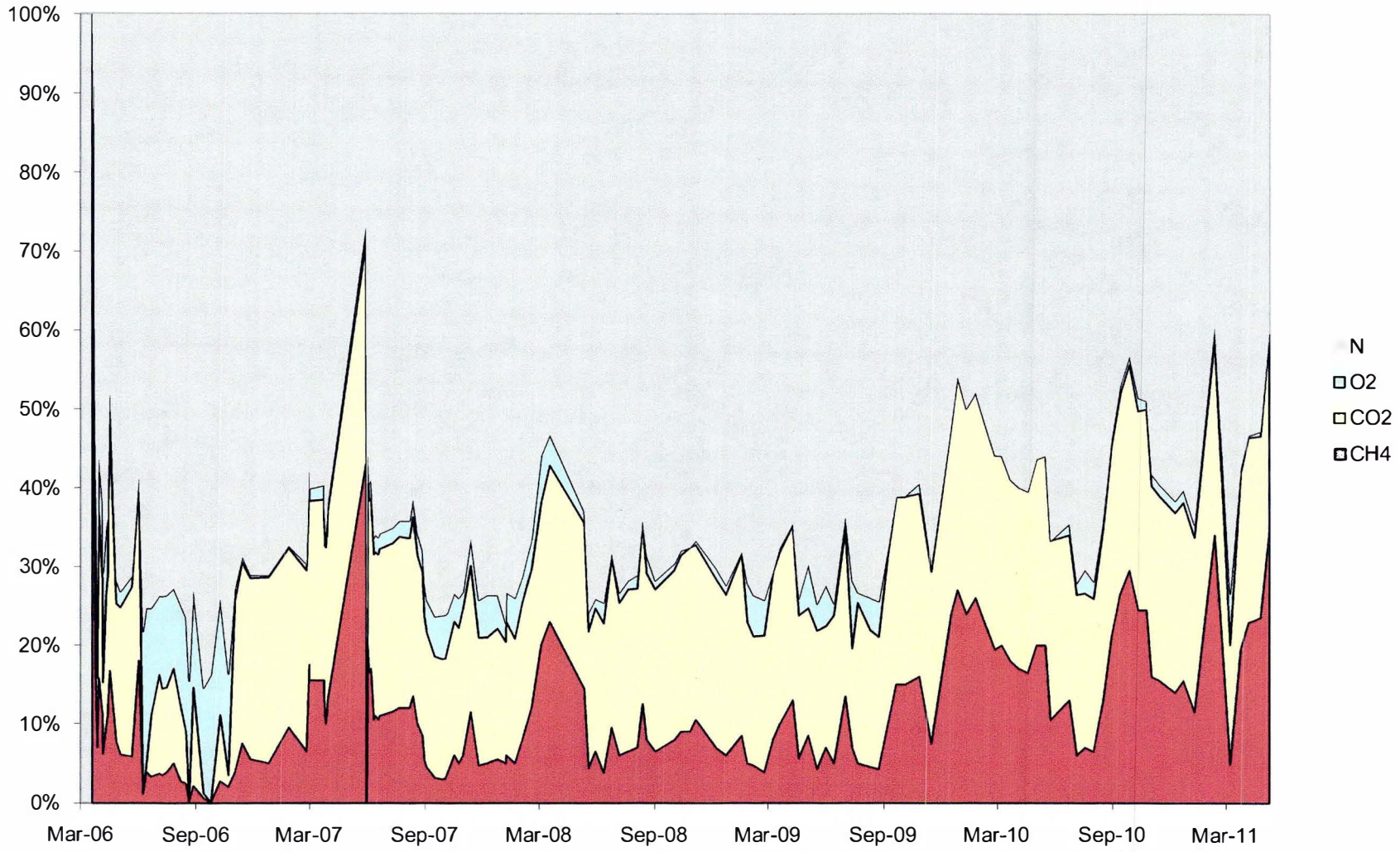


Chart 10: GV-12 Gas Concentrations



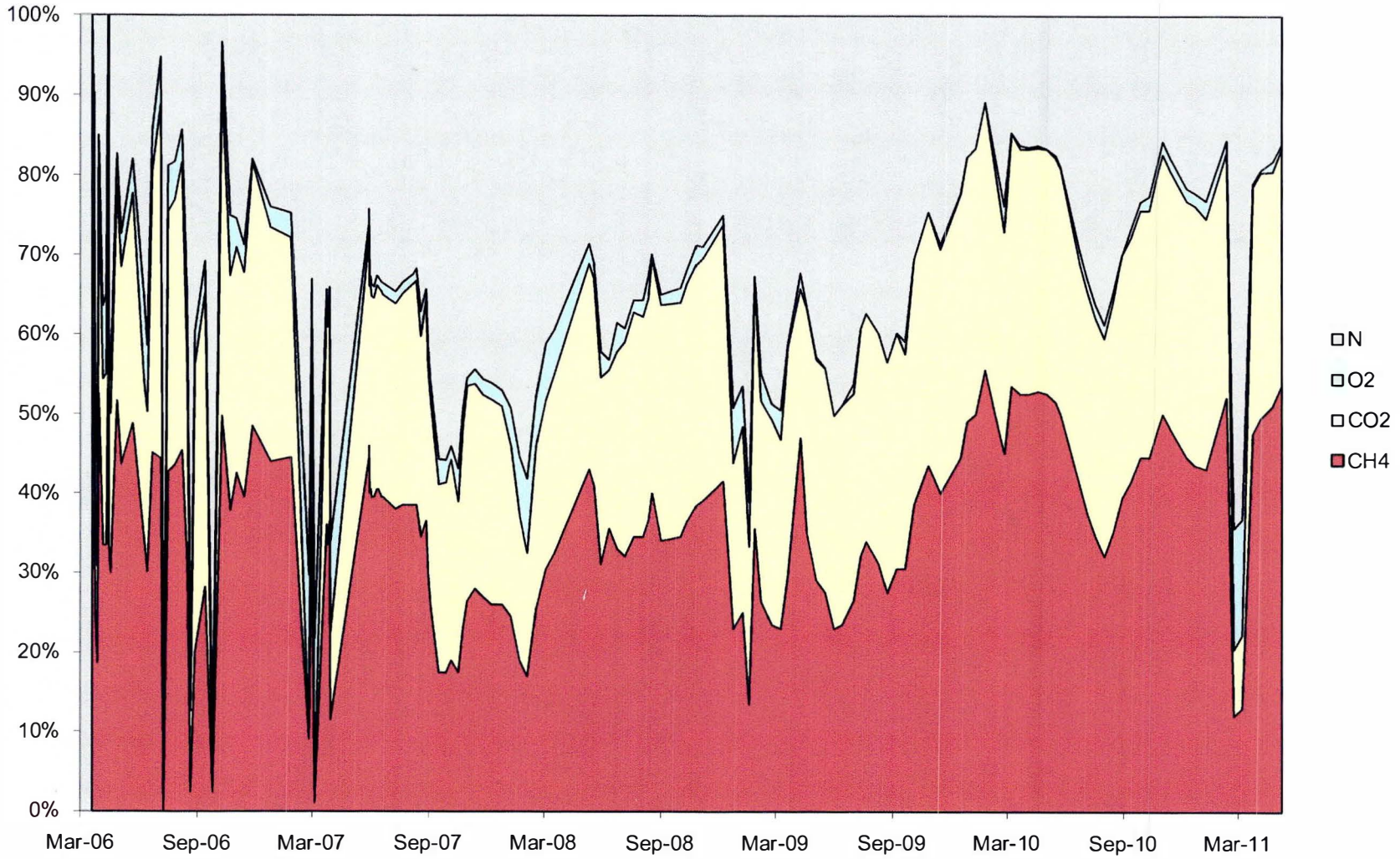
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 11: LC-1 Gas Concentrations



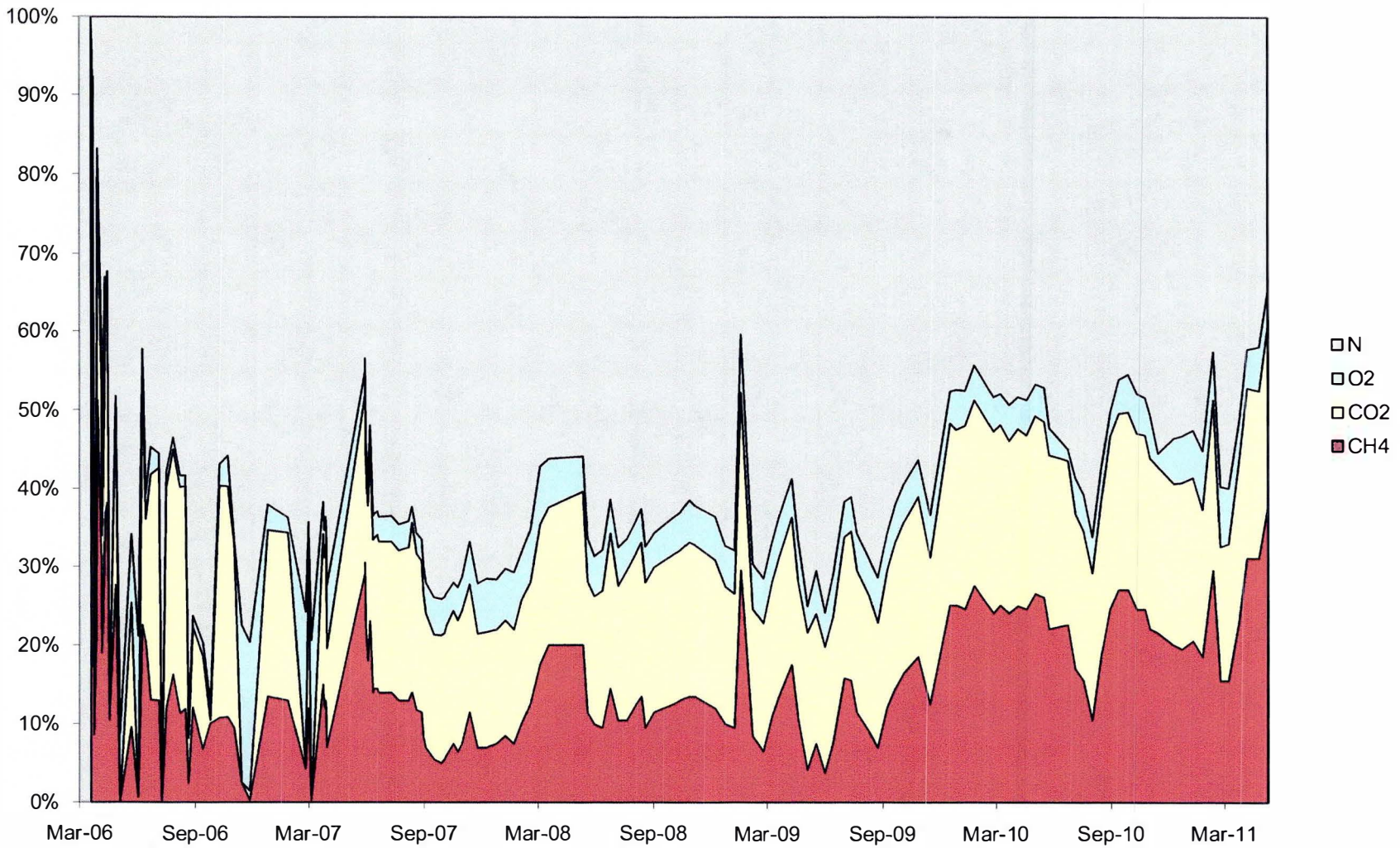
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 12: LC-2 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 13: LC-3 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 14: System Exhaust

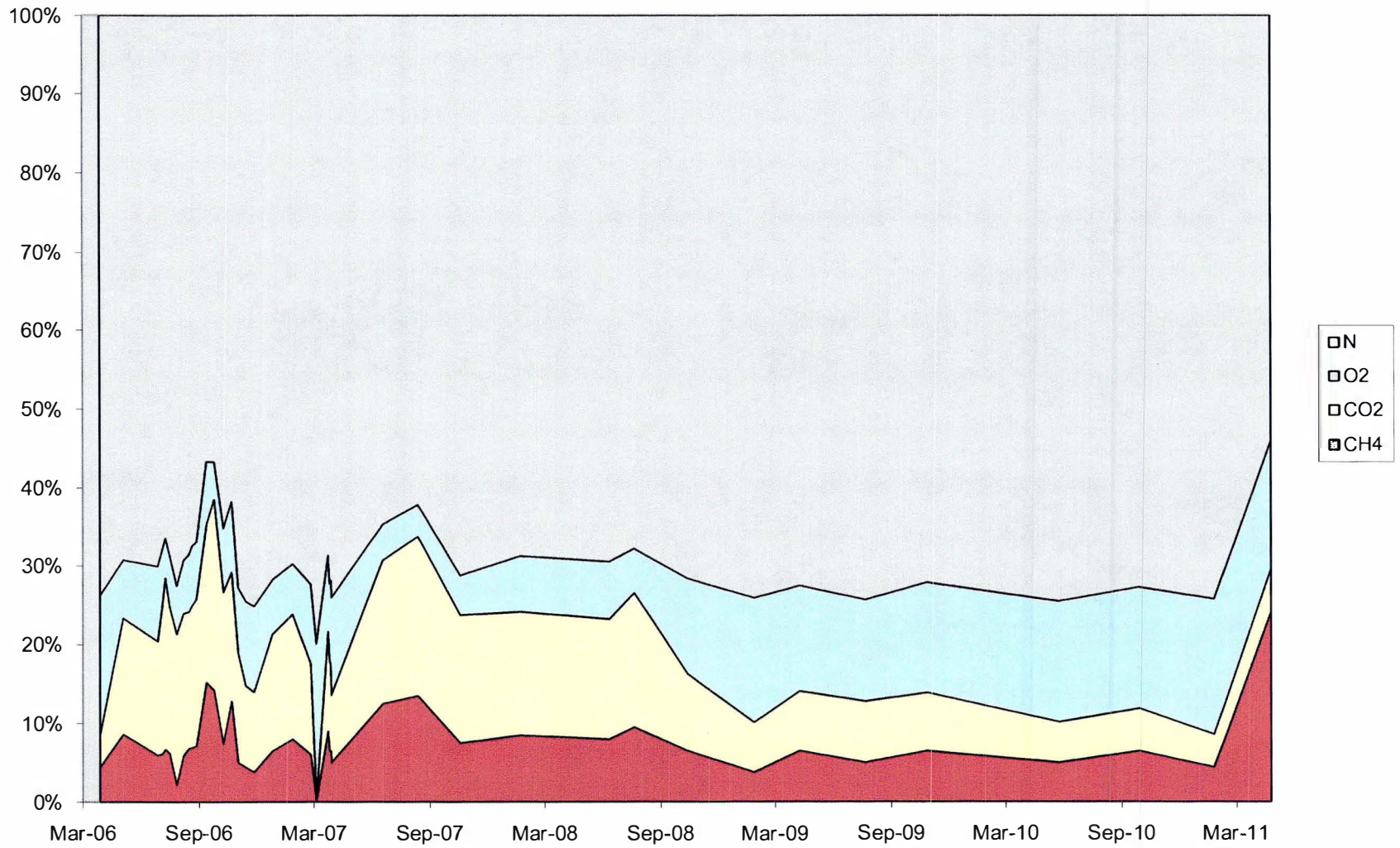
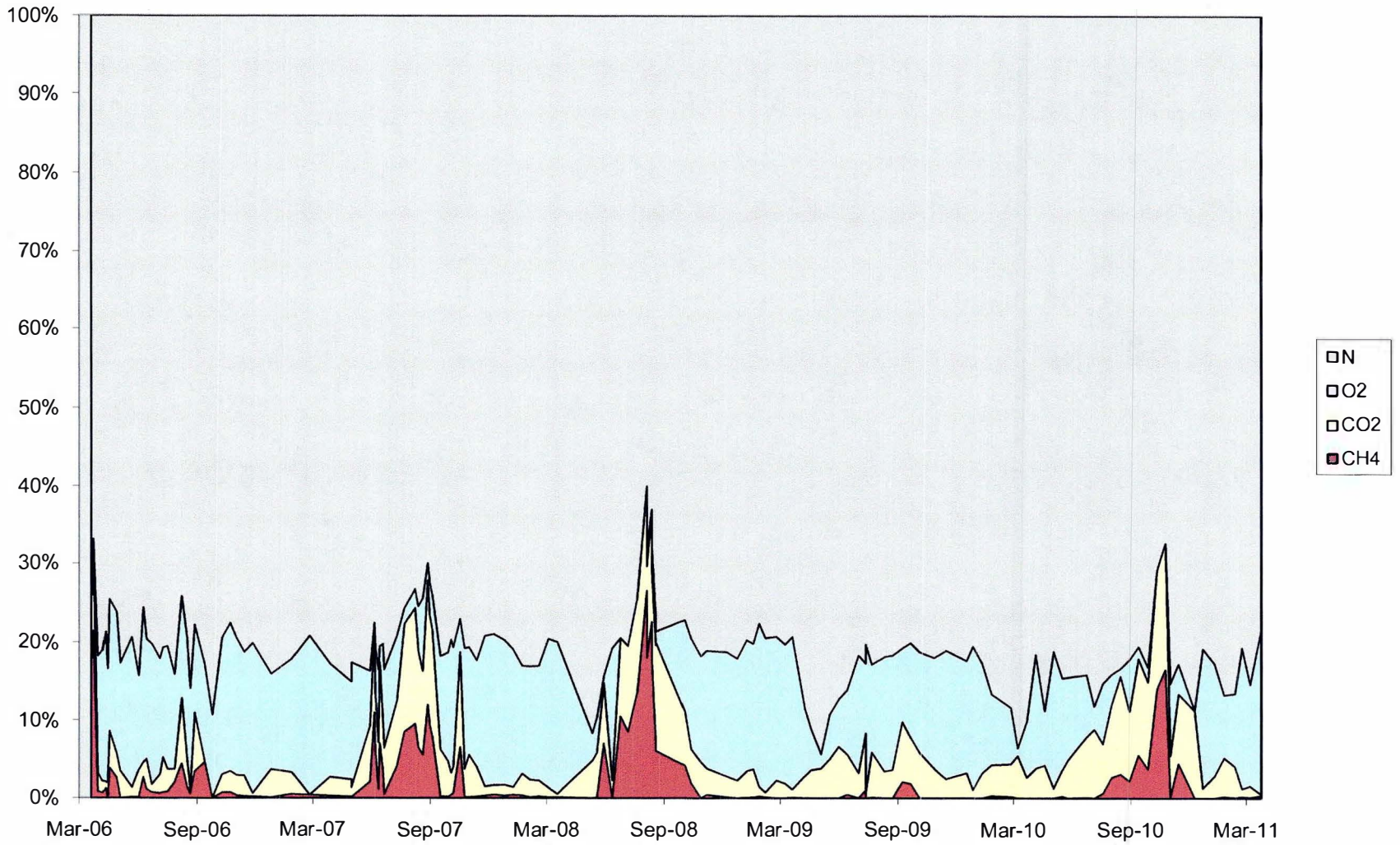
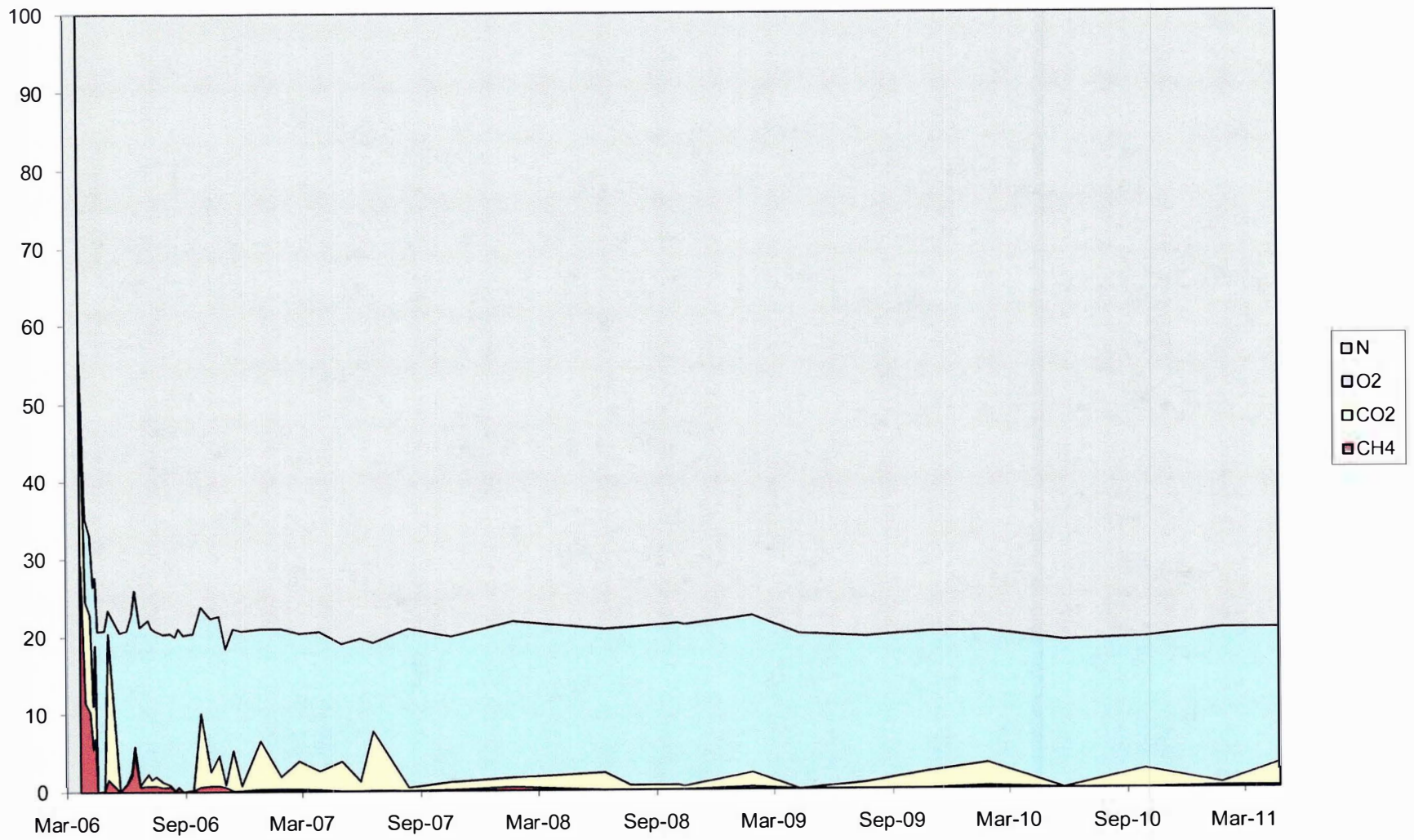


Chart 15: GP-1 Gas Concentrations



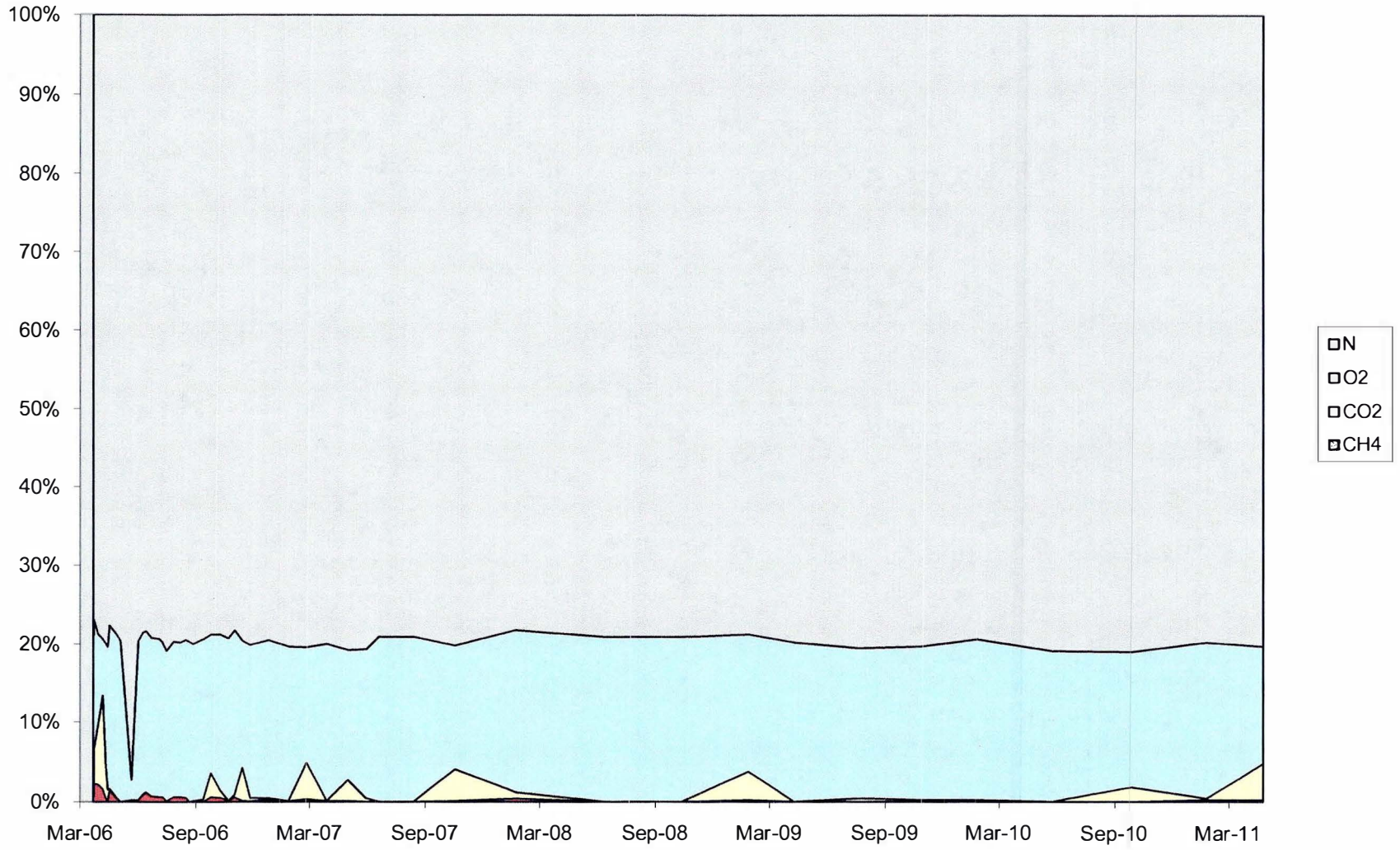
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 16: GP-2 Gas Concentrations



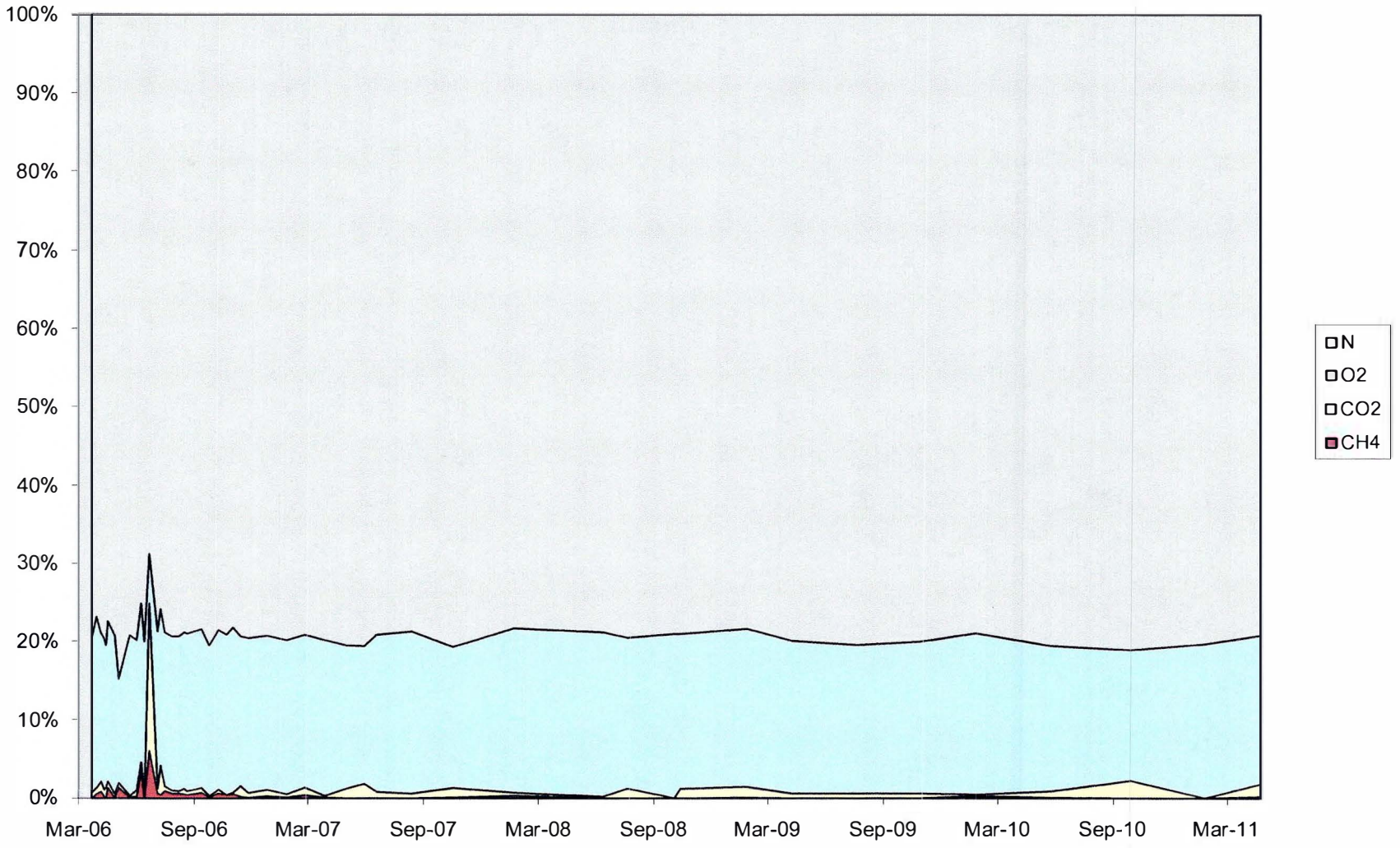
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 17: GP-3 Gas Concentrations



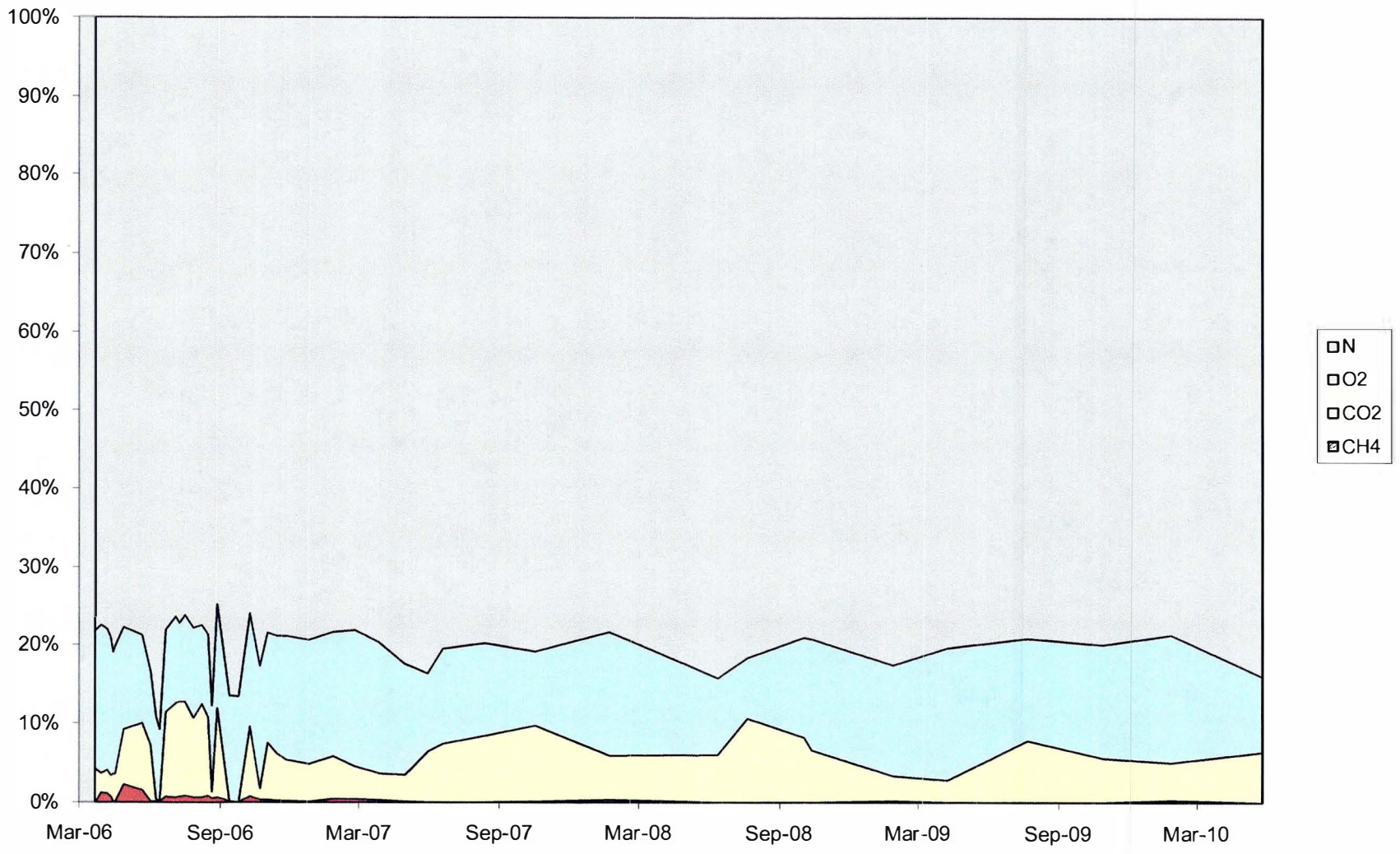
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 18: GP-4 Gas Concentrations



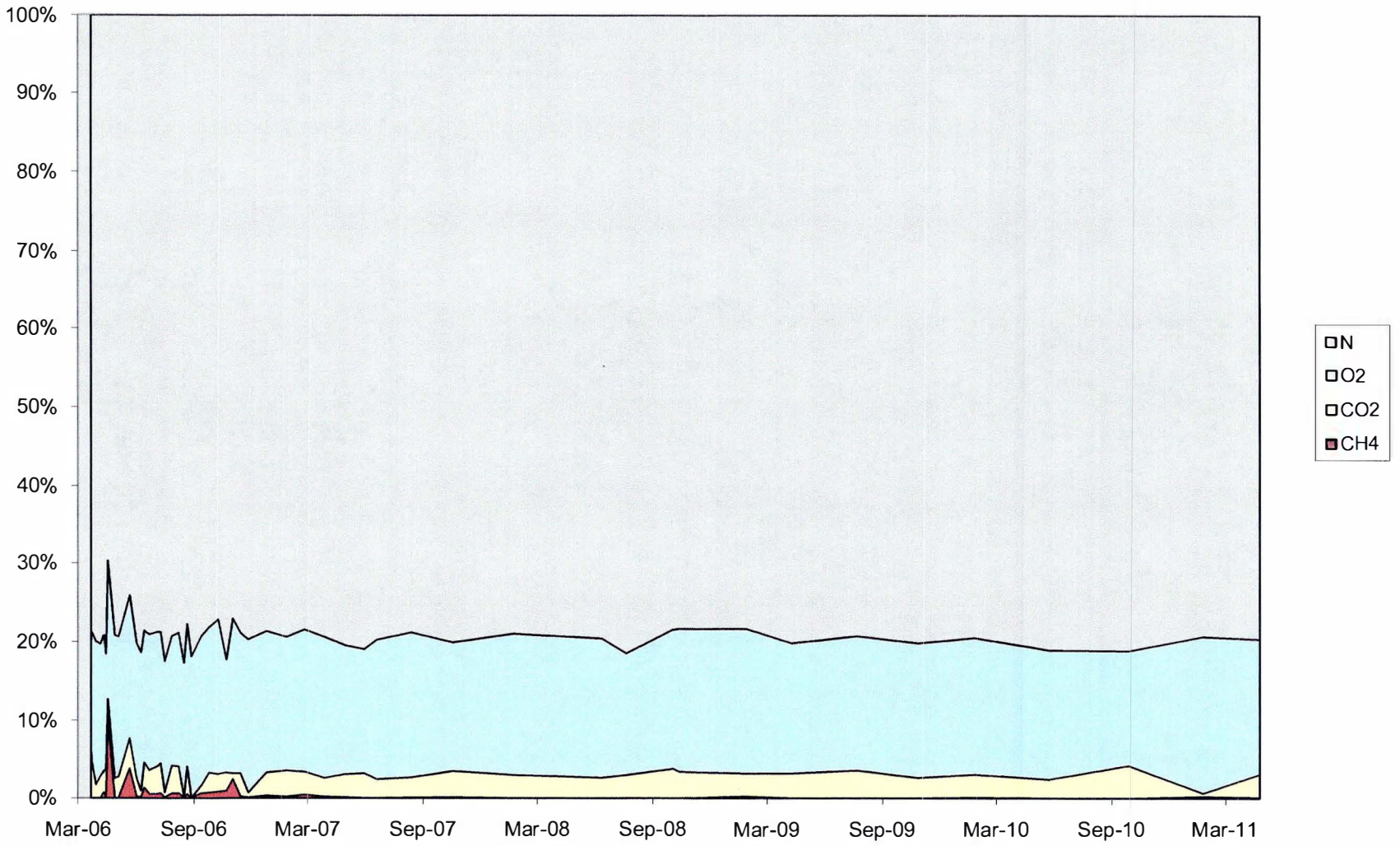
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 19: GP-5 Gas Concentrations



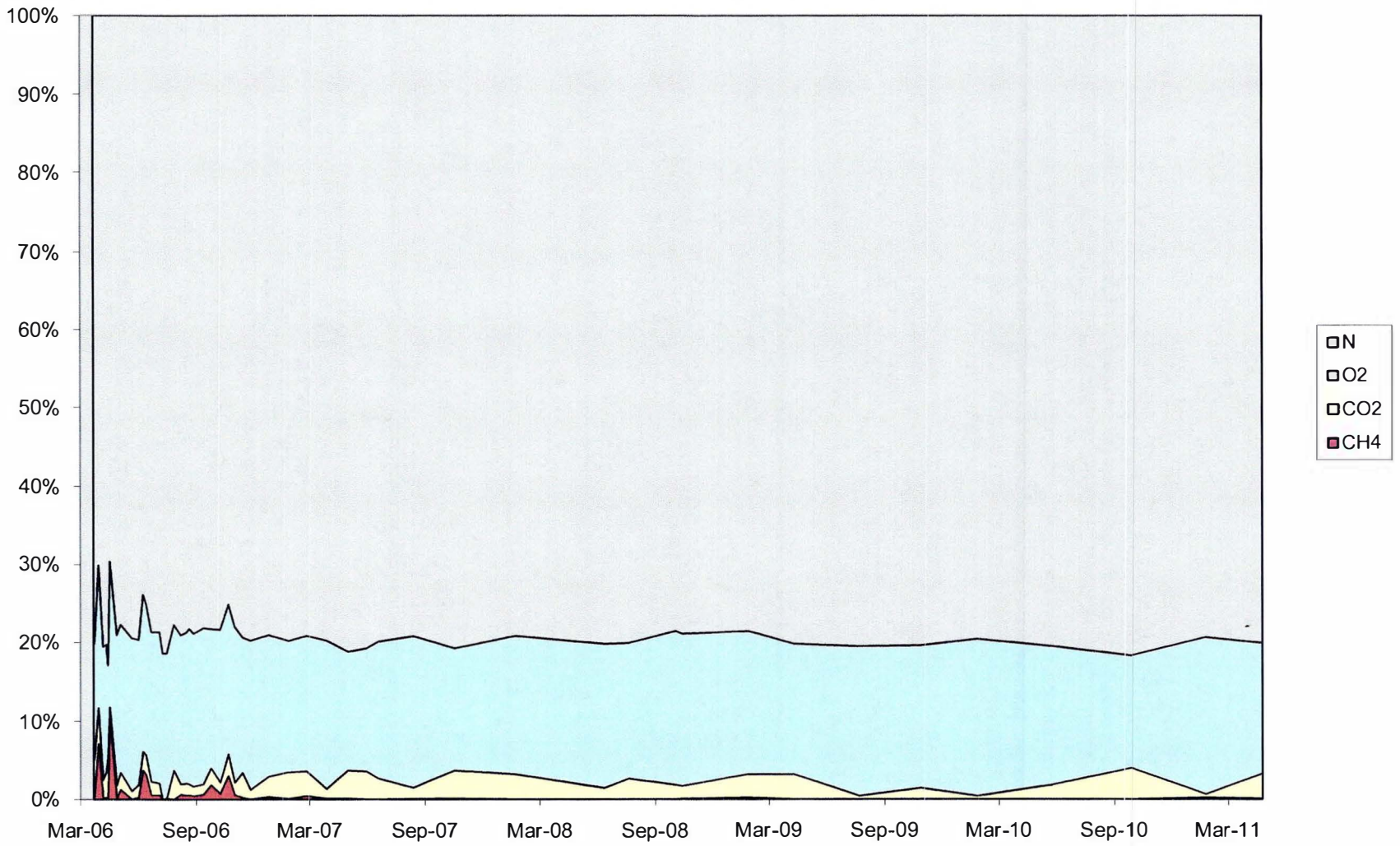
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 20: GP-6 Gas Concentrations



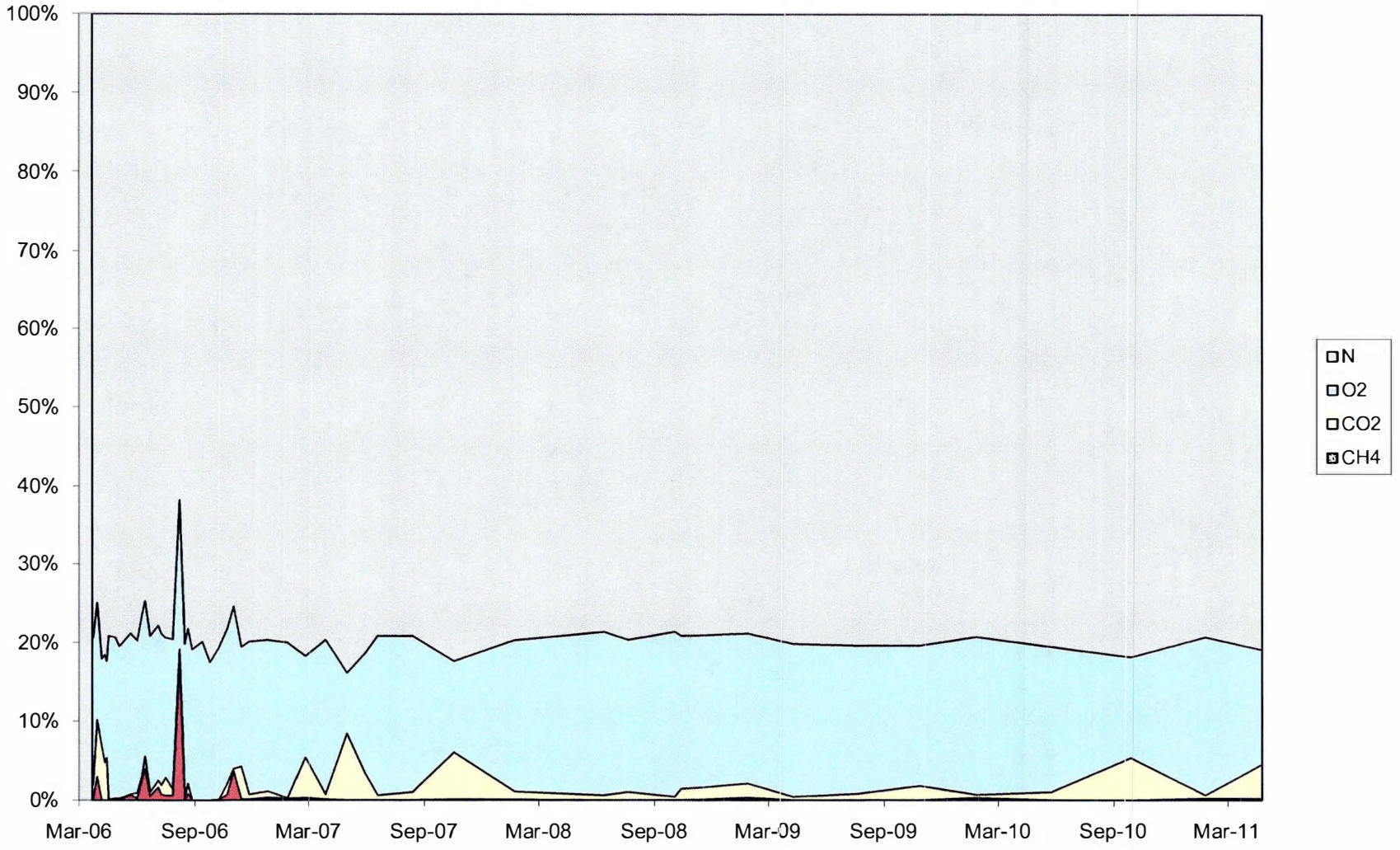
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 21: GP-7 Gas Concentrations



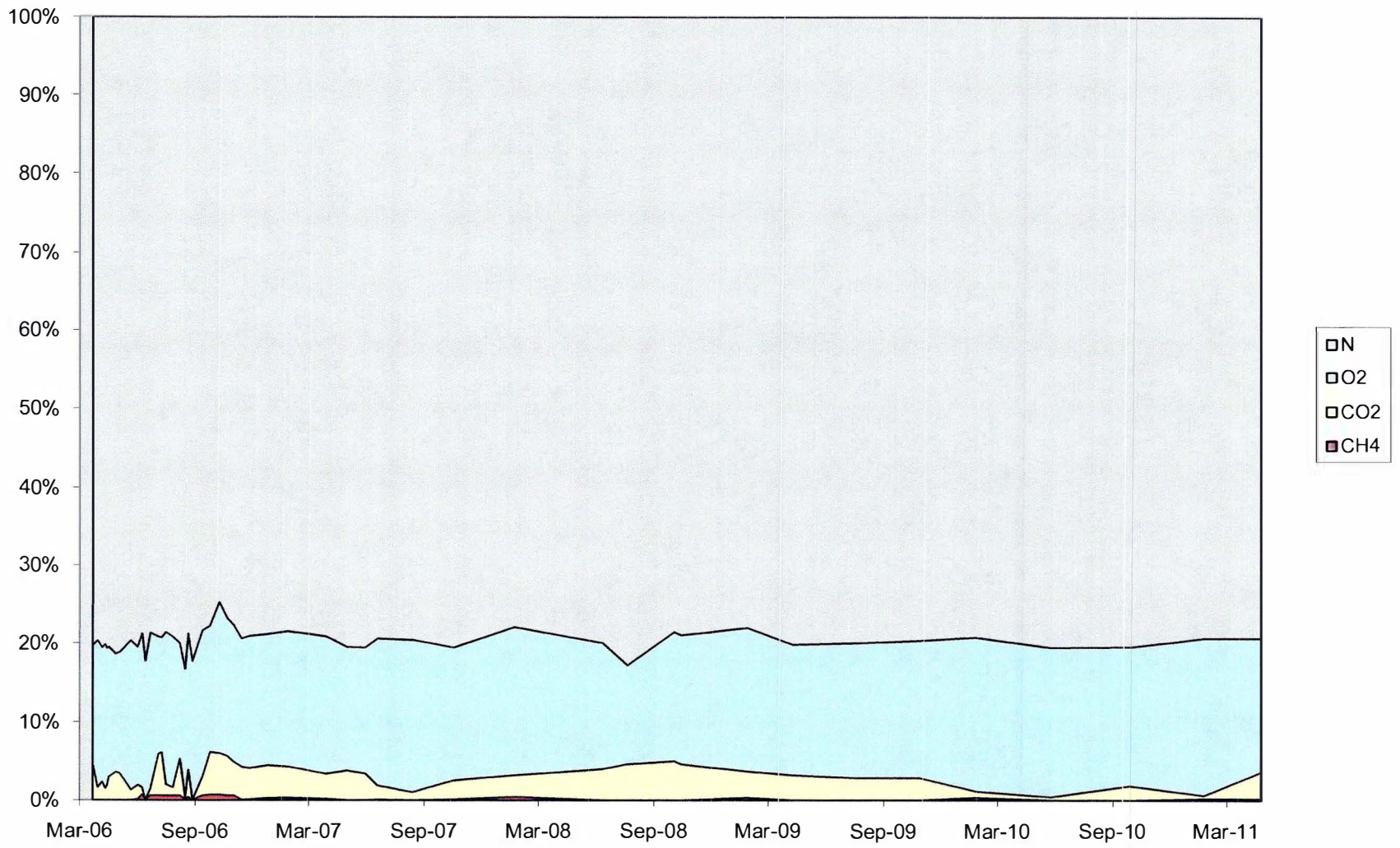
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 22: GP-8 Gas Concentrations



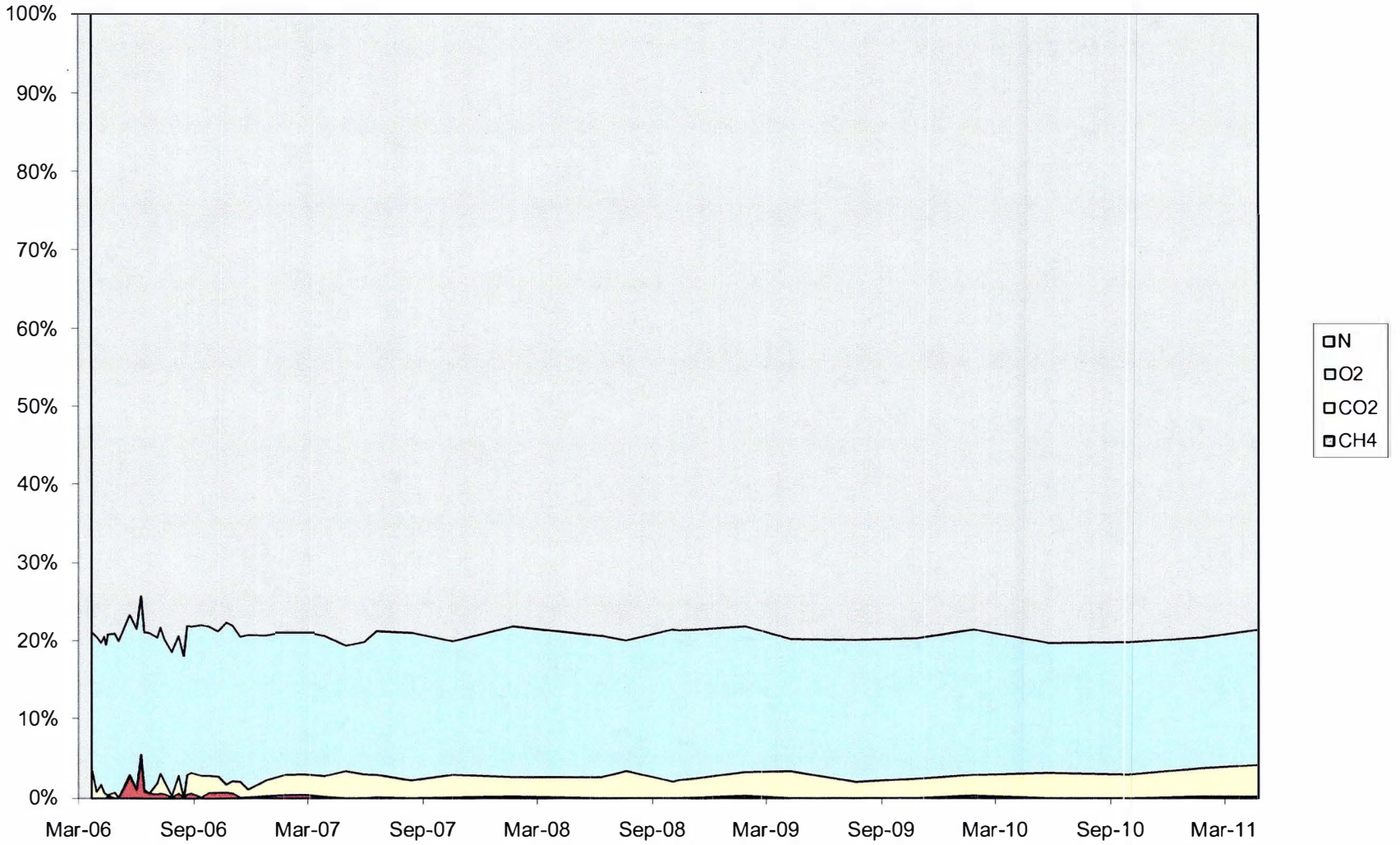
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 23: GP-10 Gas Concentrations



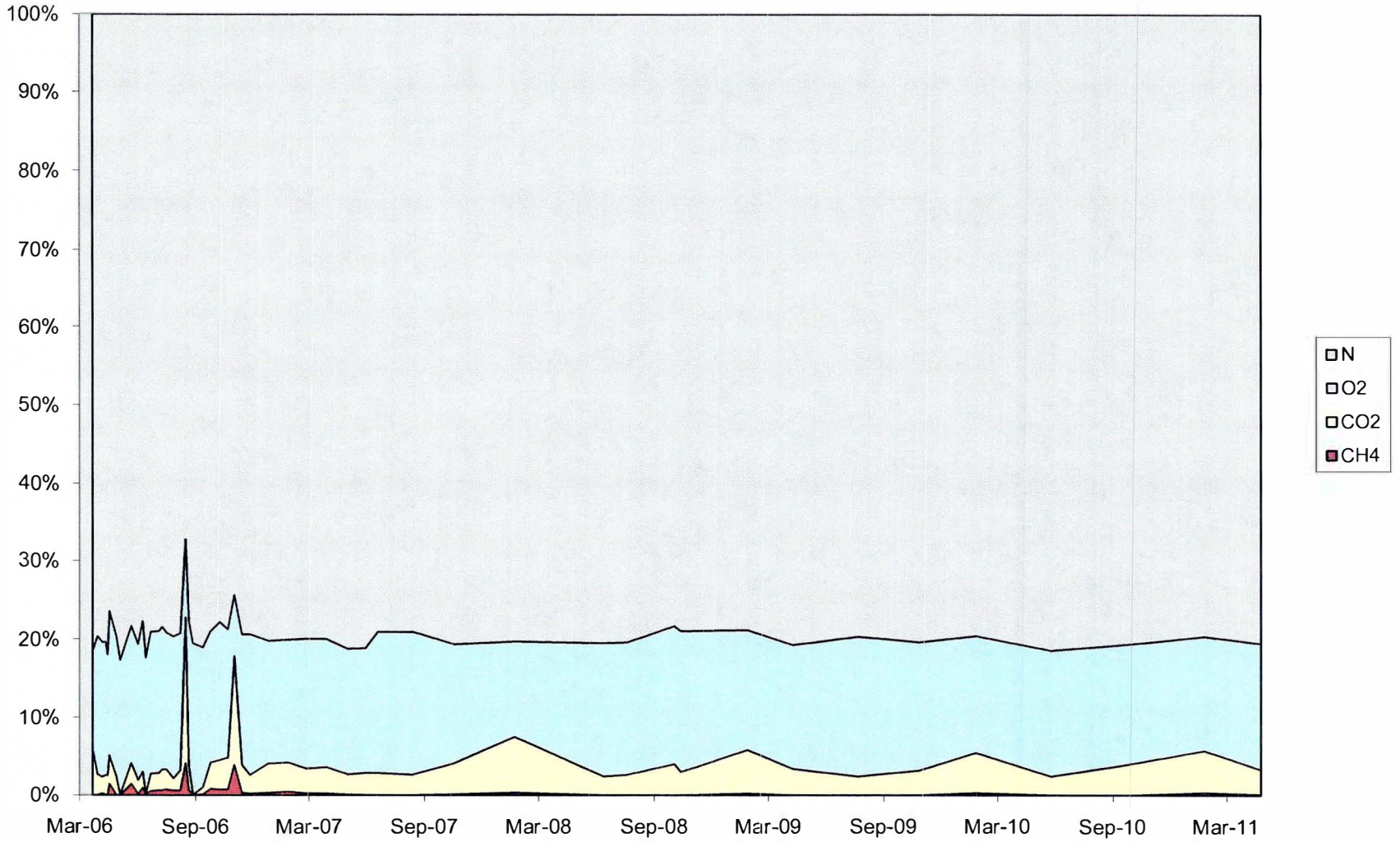
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 24: GP-11 Gas Concentrations



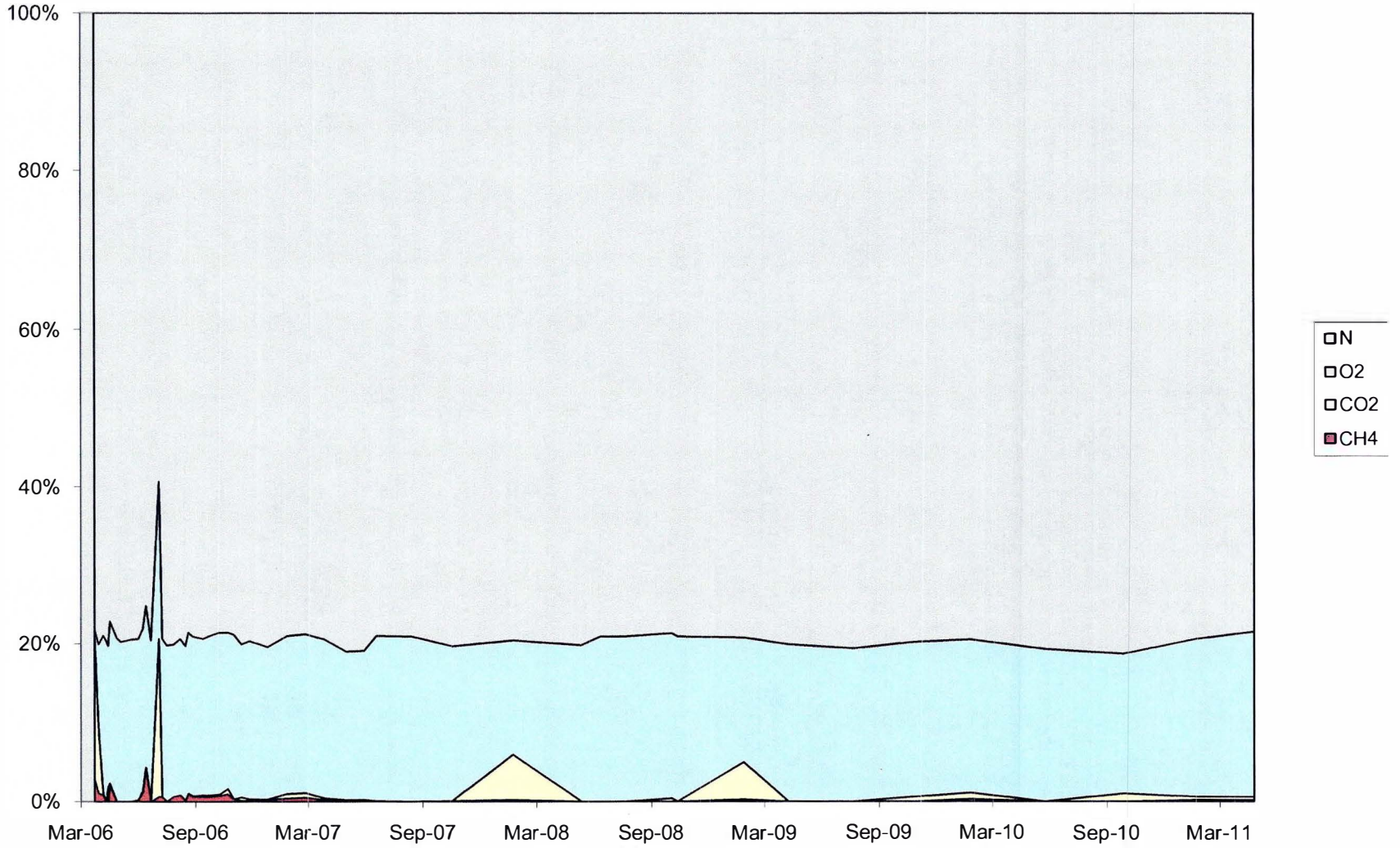
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 25: GP-12 Gas Concentrations



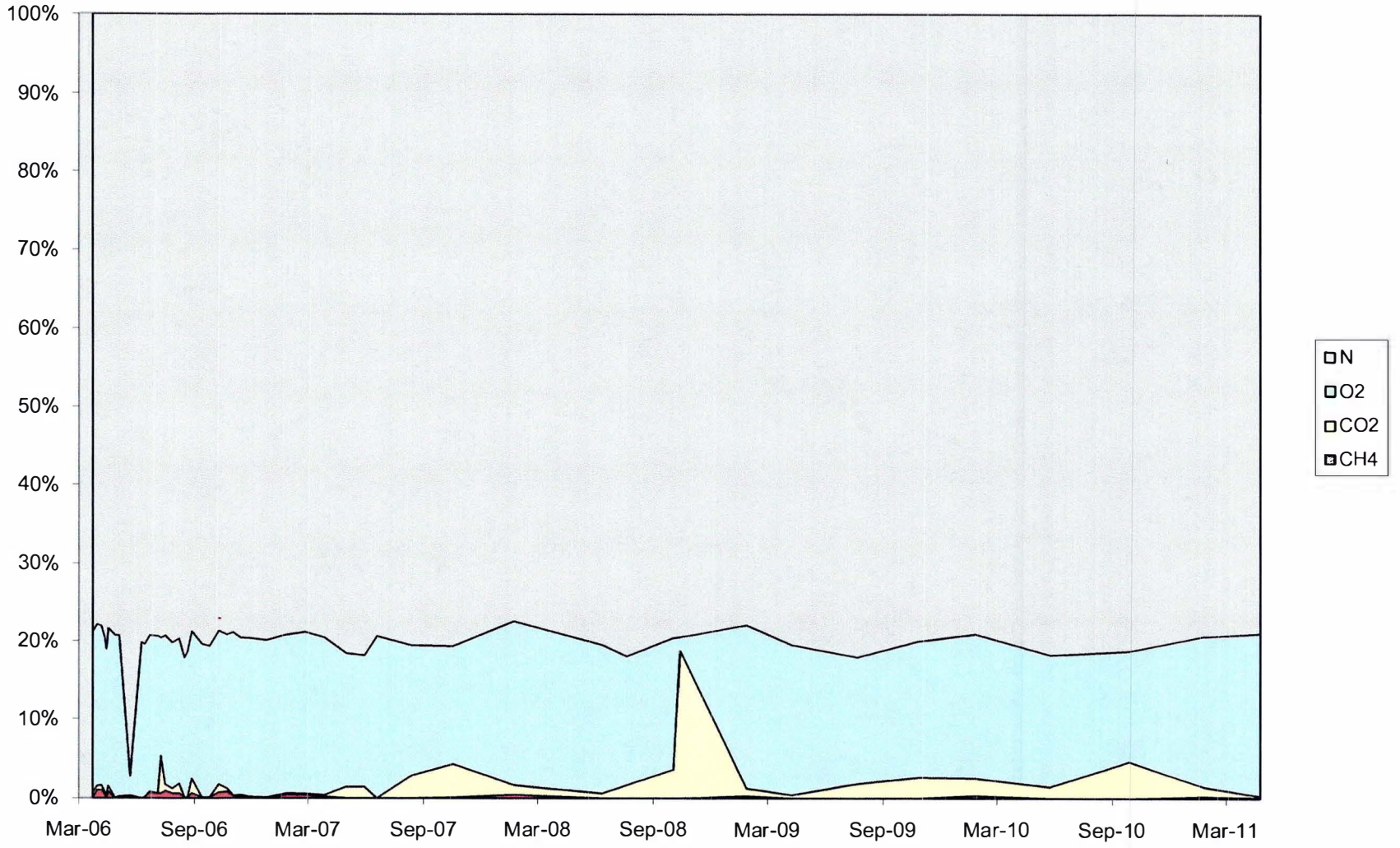
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 26: MW-101 Gas Concentrations



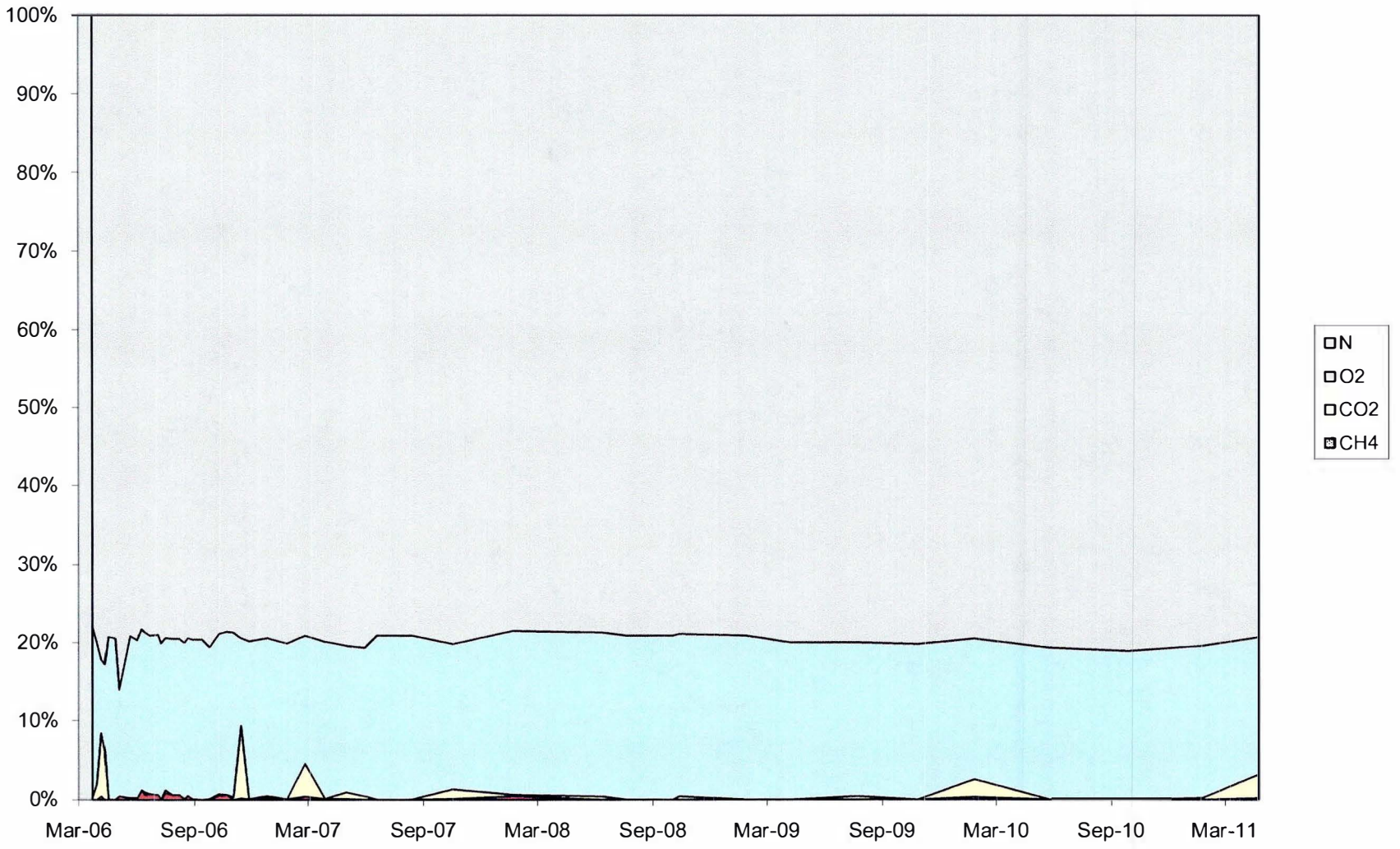
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 27: MW-102 Gas Concentrations



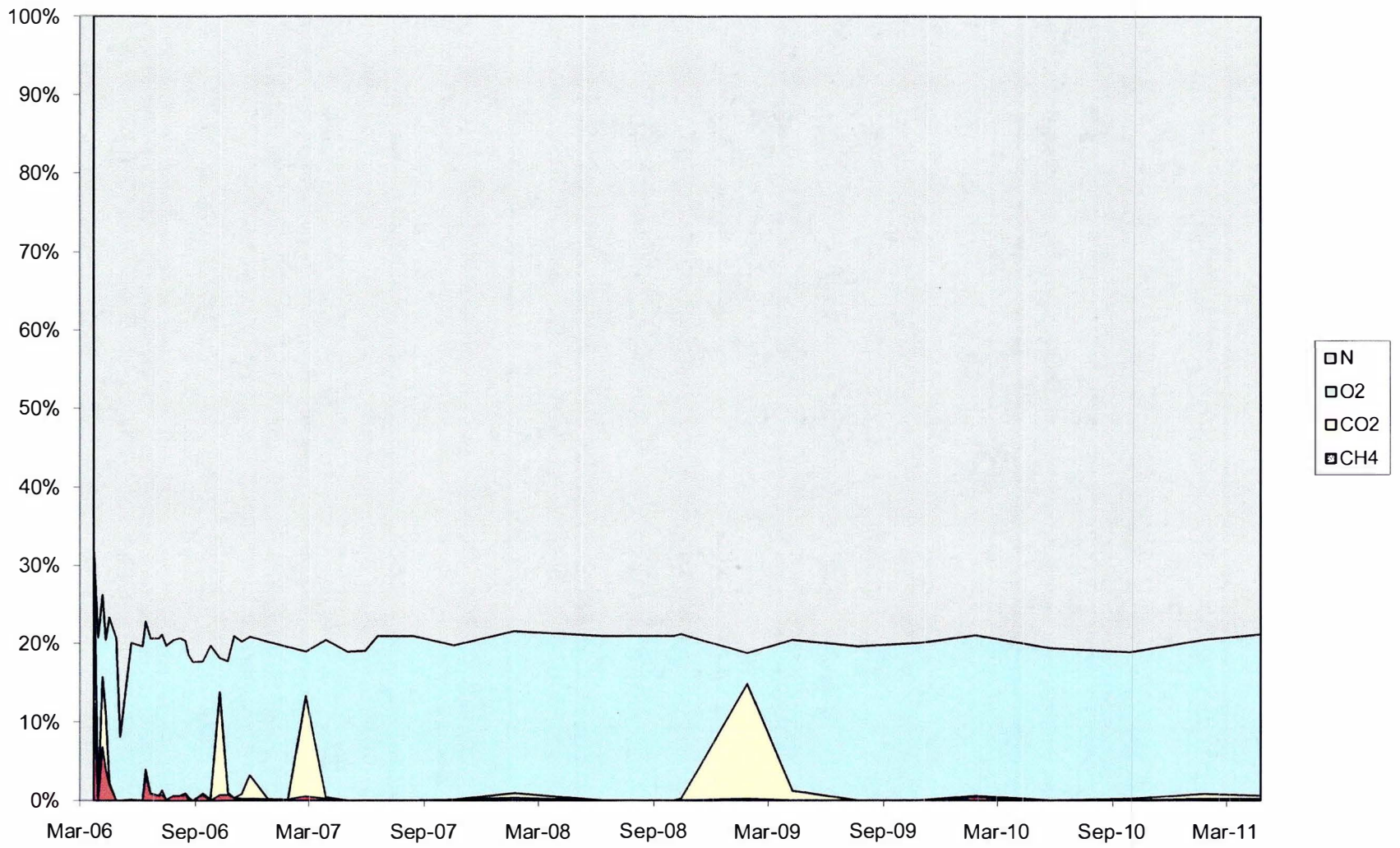
P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 28: MW-103 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 29: MW-104 Gas Concentrations



P:\Ripon_Landfill\2011\April 2011\Tables\Table 6 Gas Monitoring Results.xlsx

Chart 30: Barometric Pressure
(Weather Station: Ripon, WI)

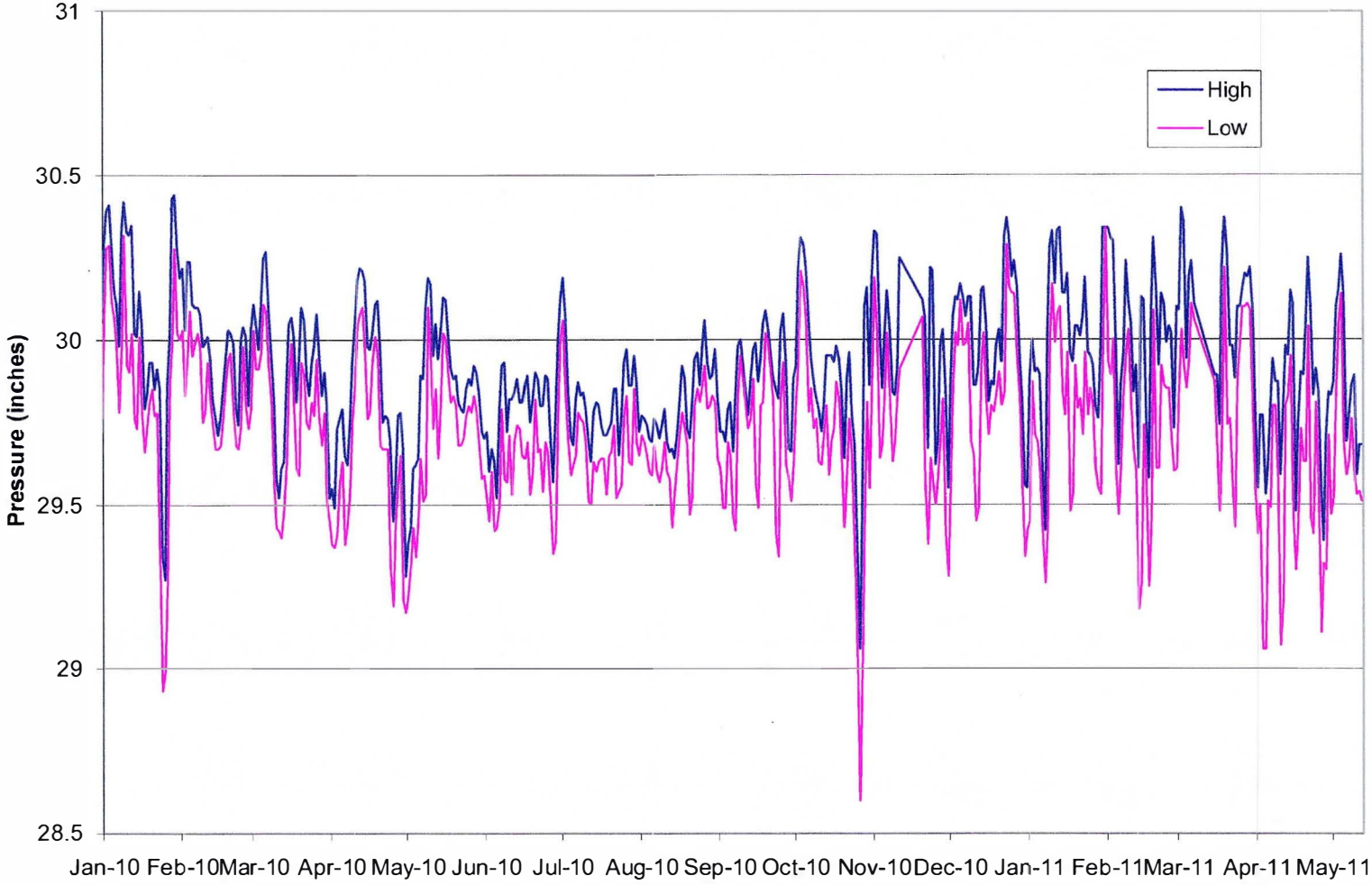


Chart 31: LC-1
Total Gas VOCs

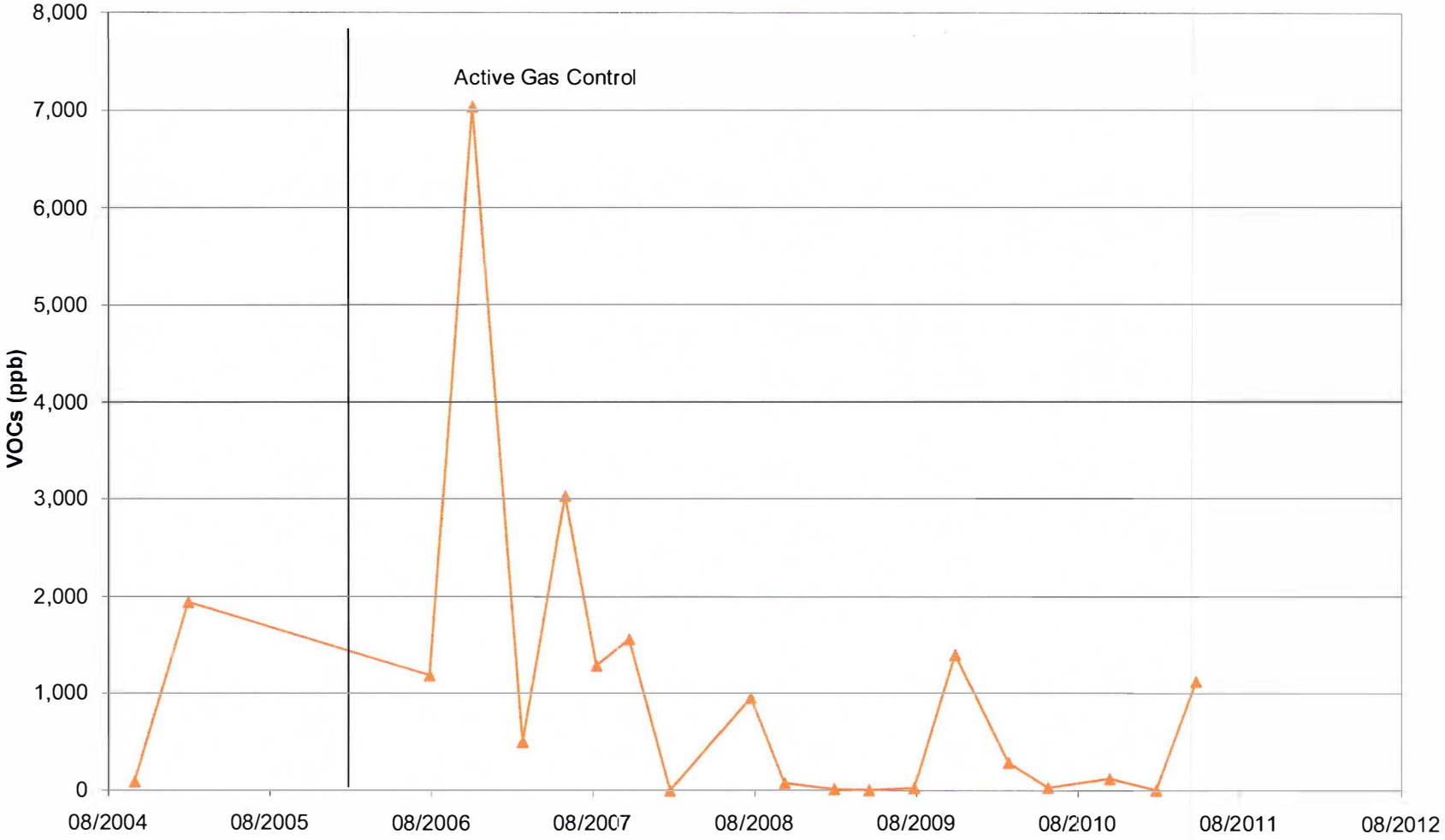


Chart 32: LC-2
Total Gas VOCs

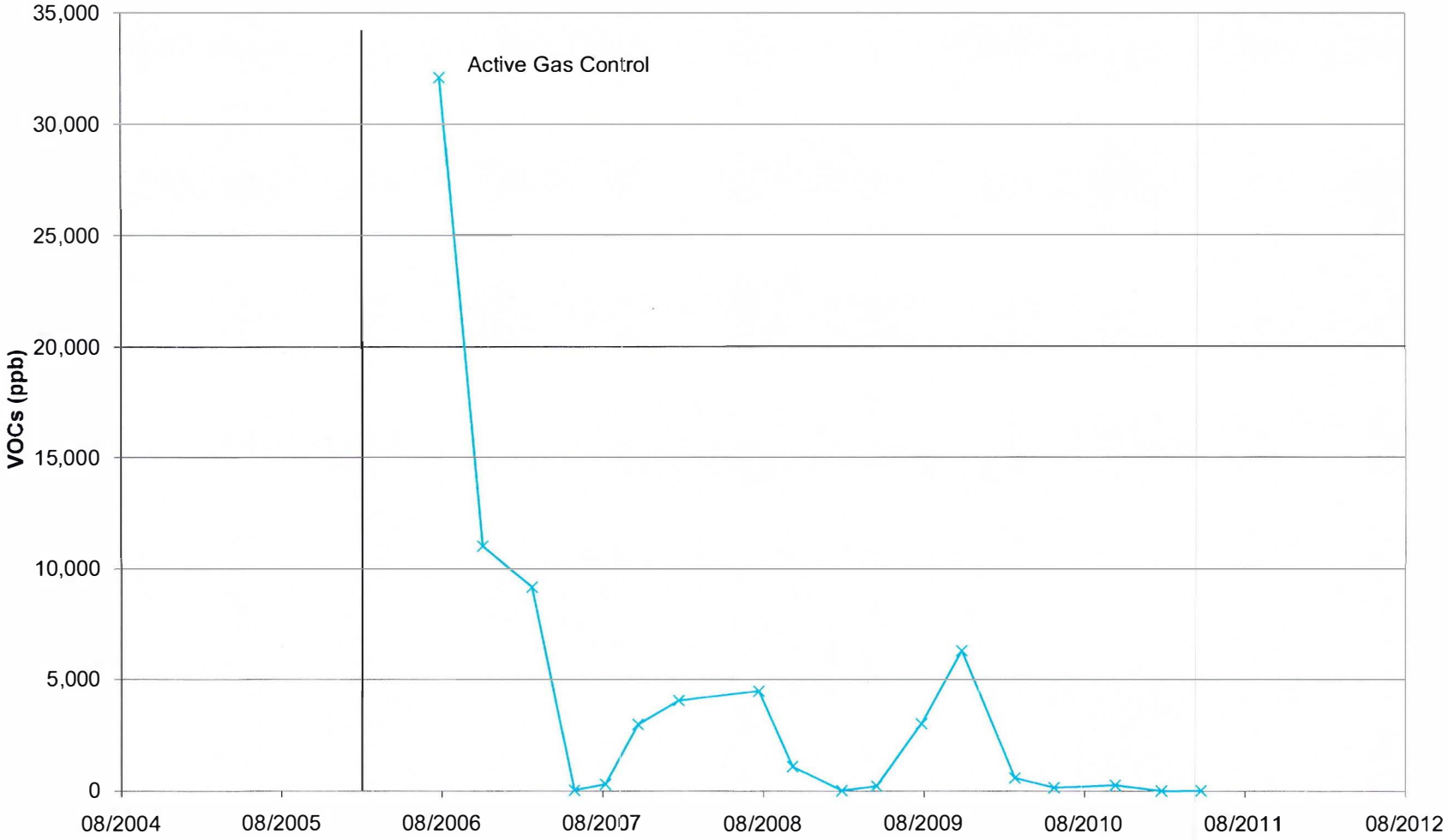


Chart 33: LC-3
Total Gas VOCs

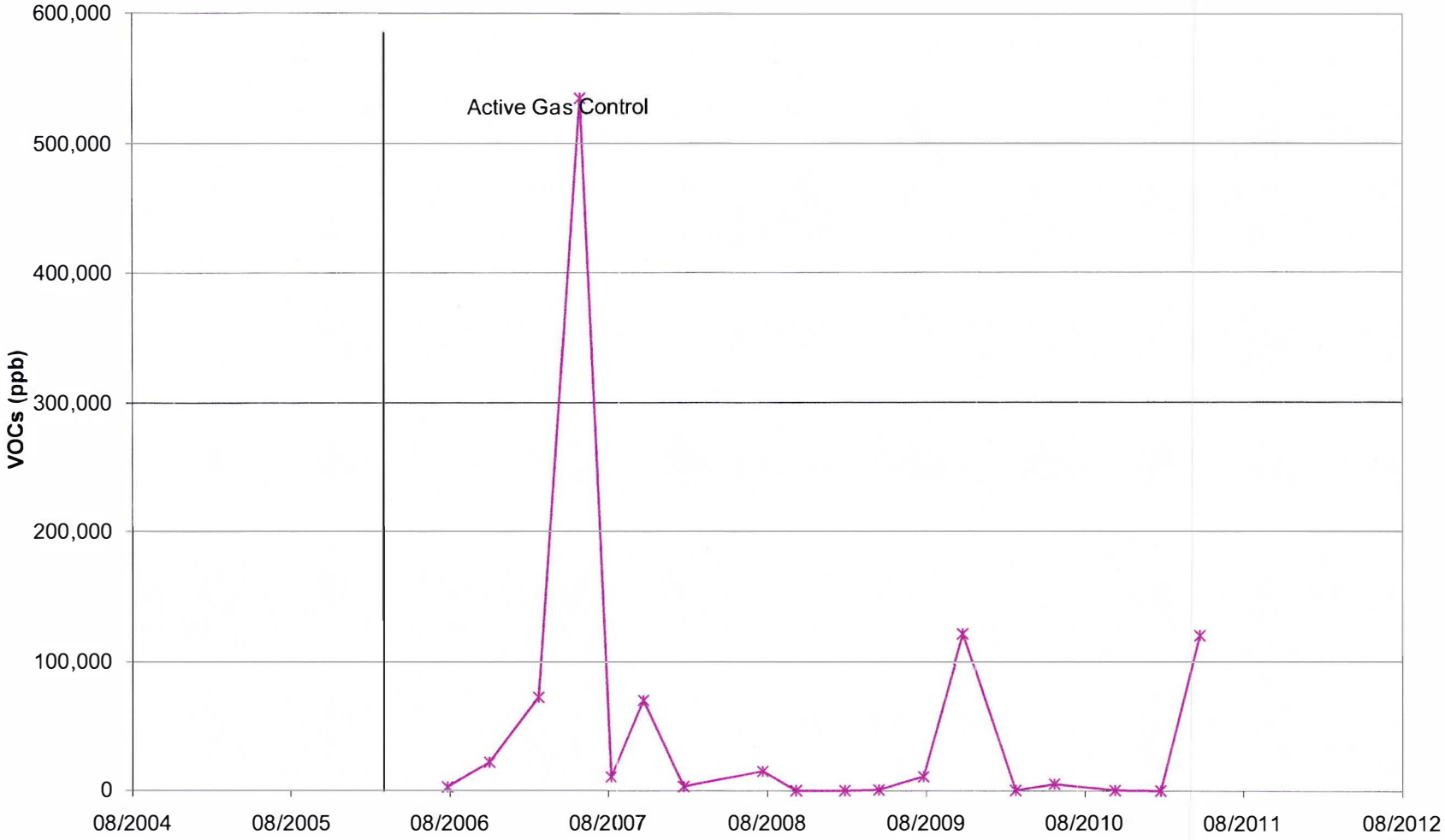


Chart 34: GV-6
Total Gas VOCs

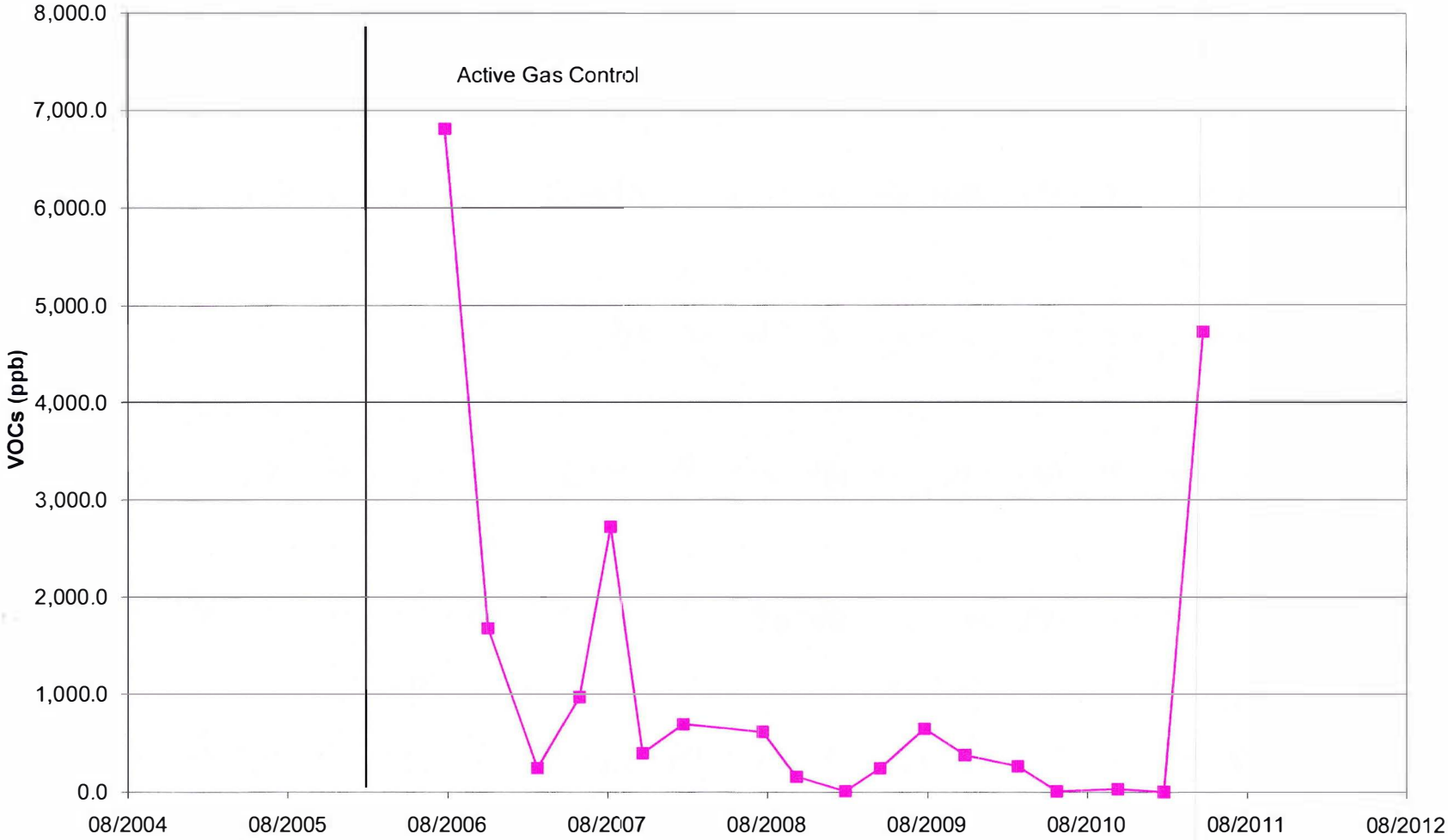


Chart 35: GP-3
Total Gas VOCs

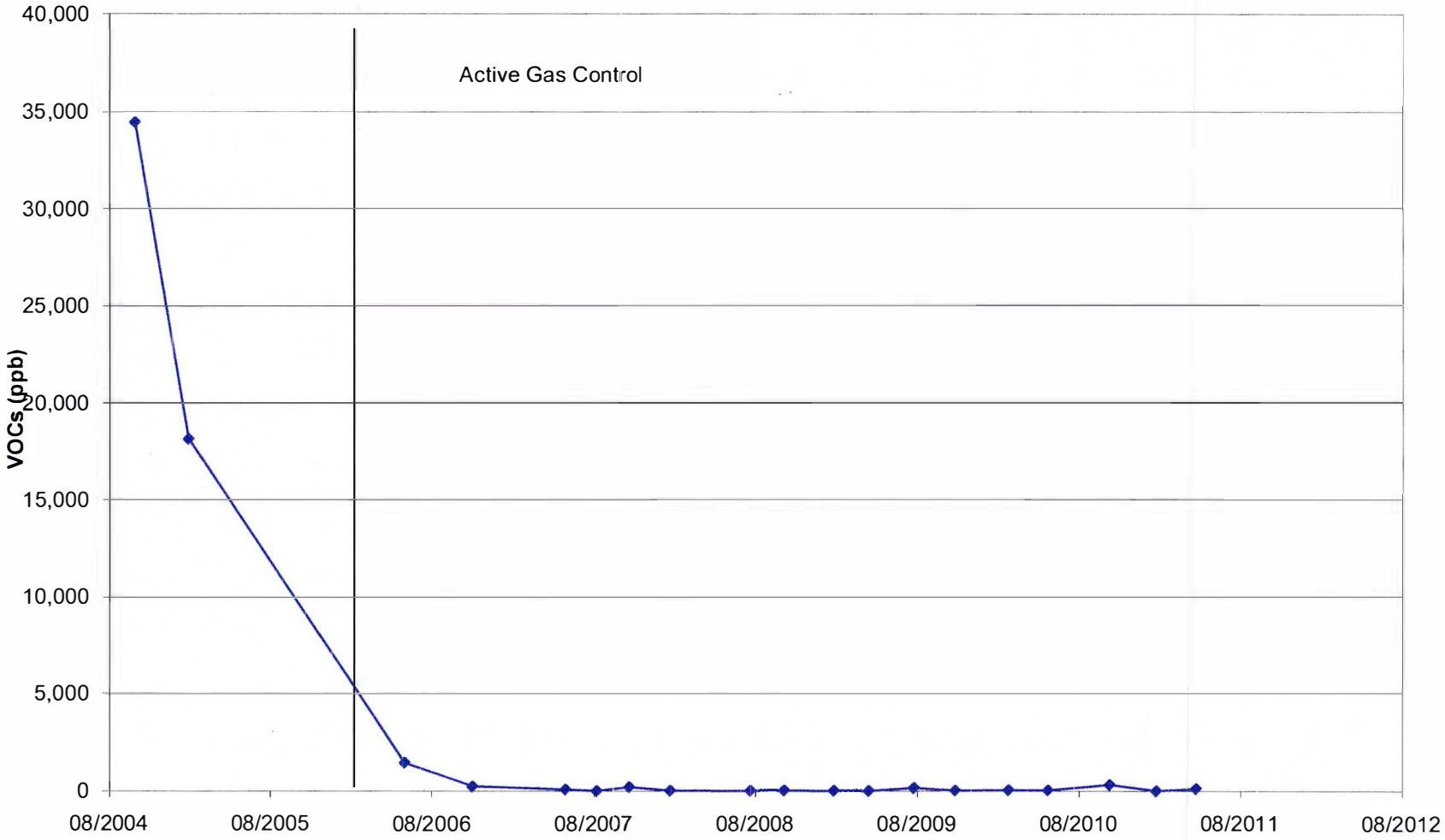
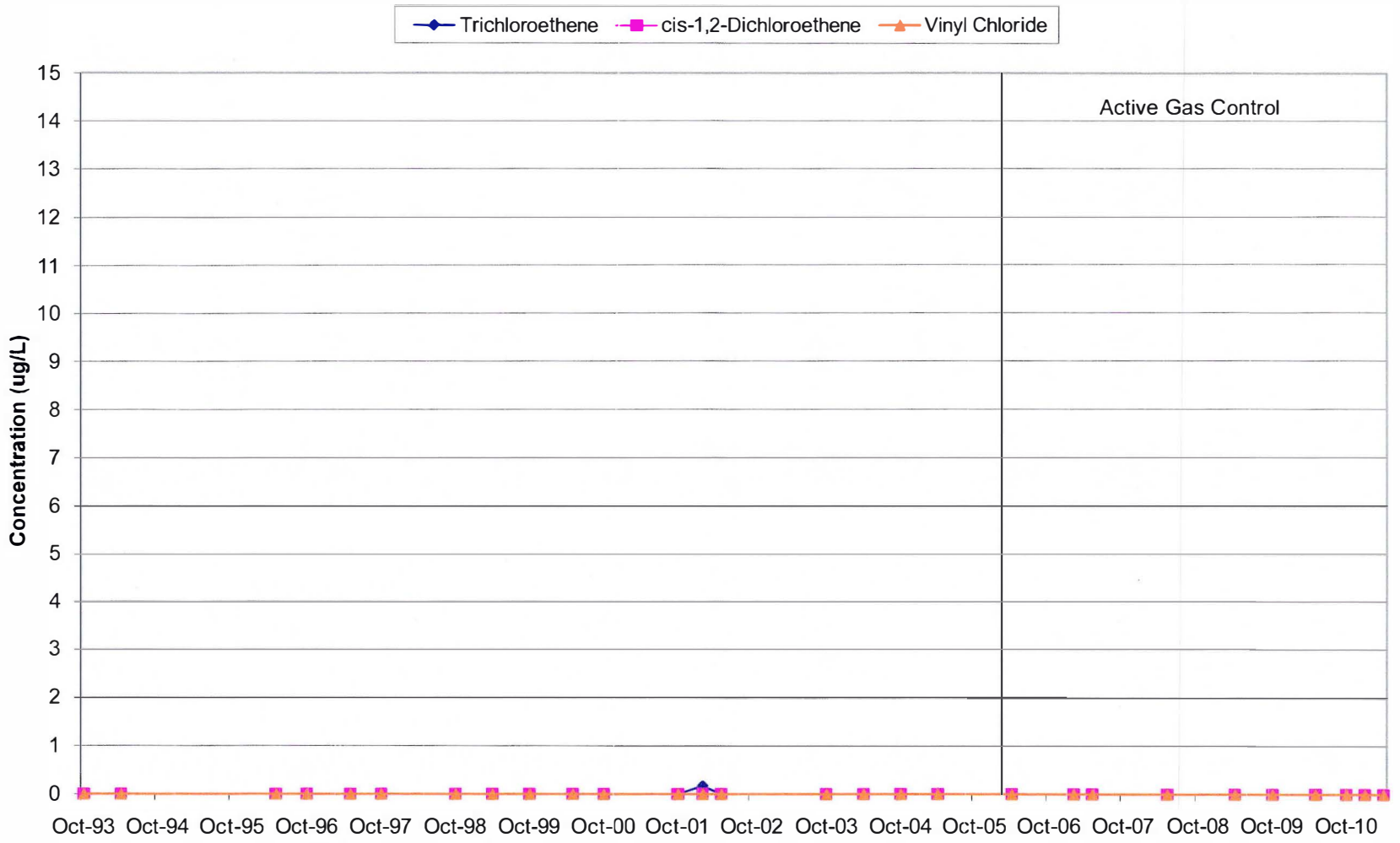


Chart 36: MW-101
Layer 1 Well

Upgradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 37: MW-102
Layer 1 Well

Side gradient

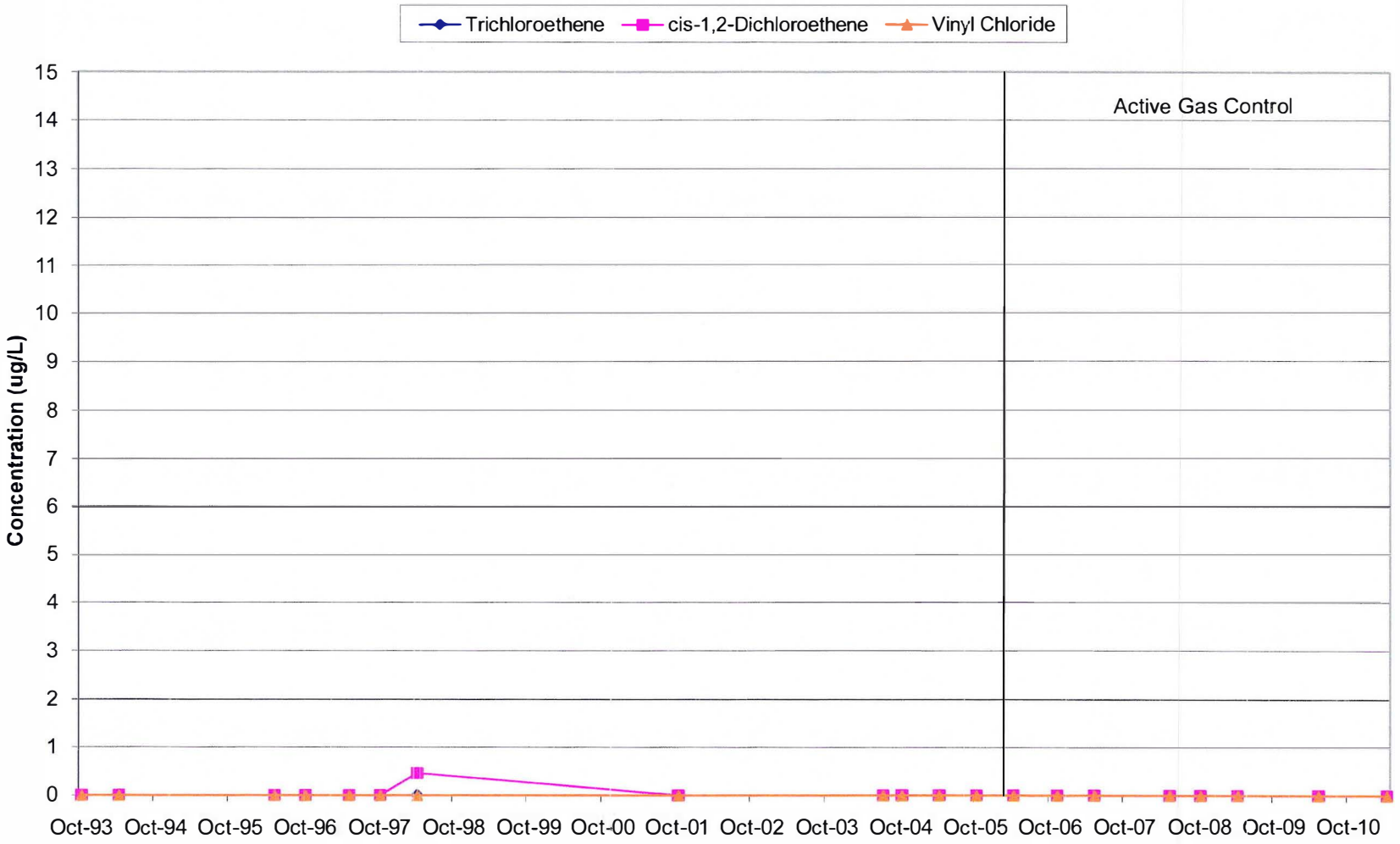
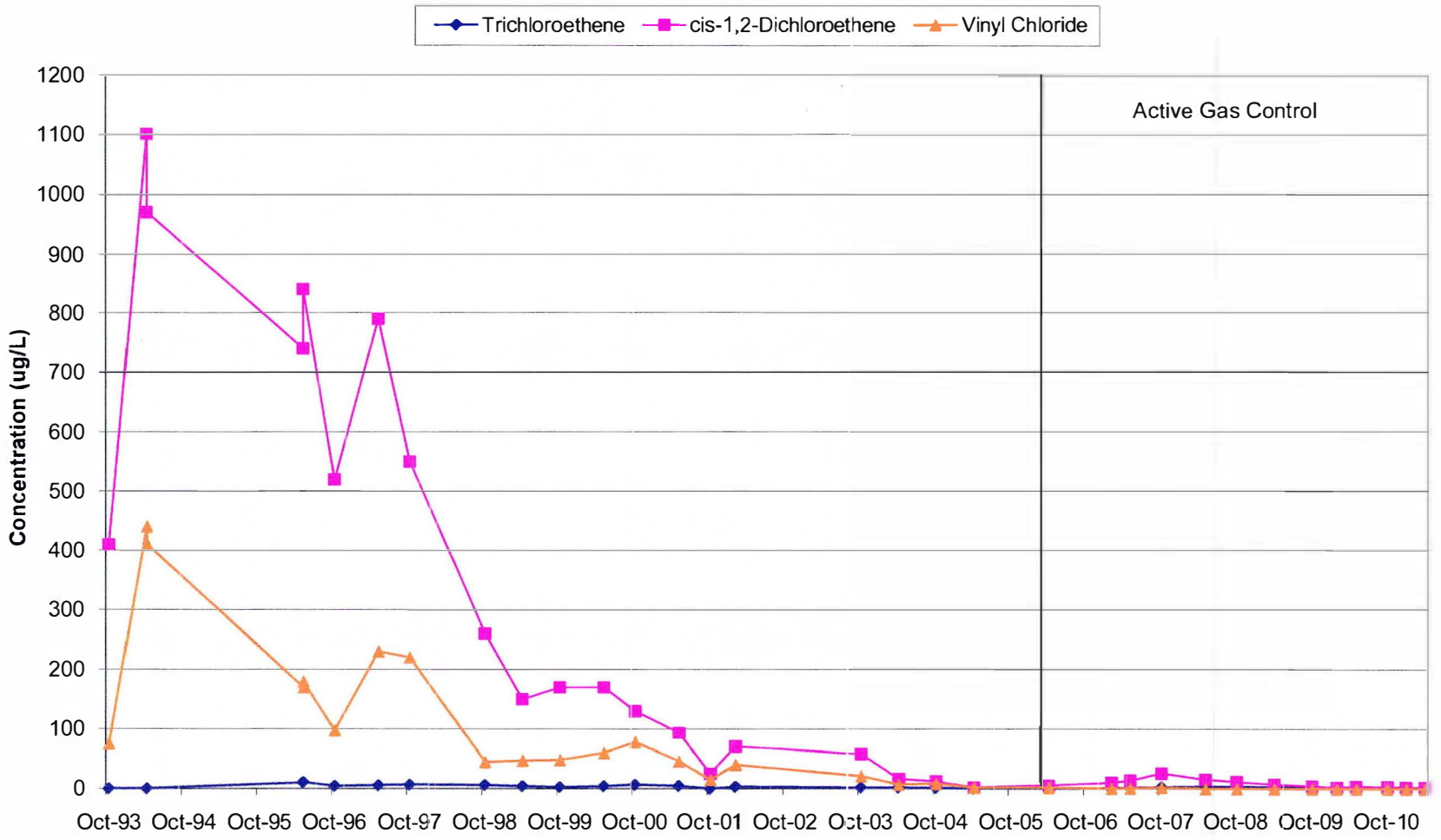


Chart 38: MW-103
Layer 1 Well

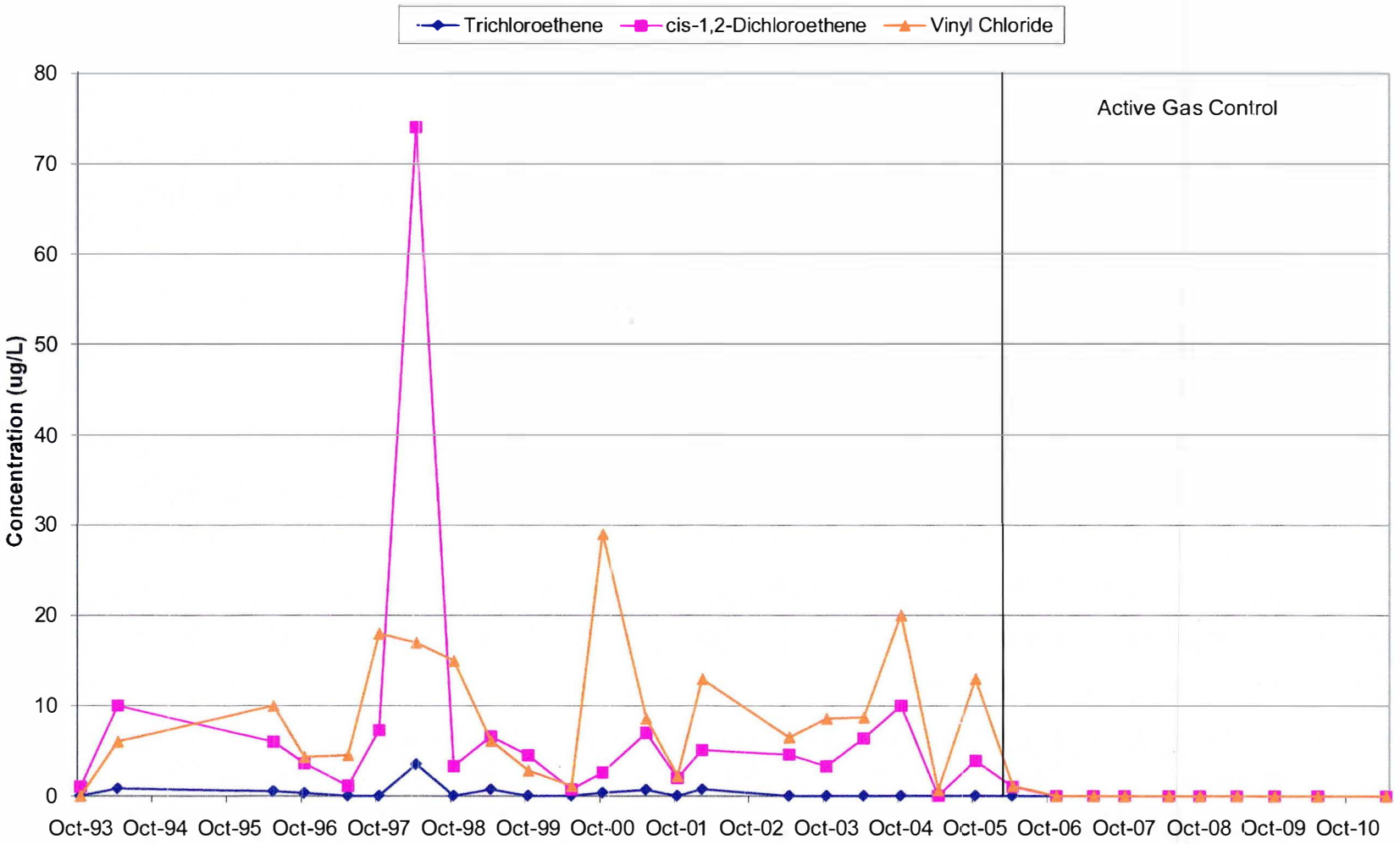
10' Down gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 39: MW-104
Layer 1 Well

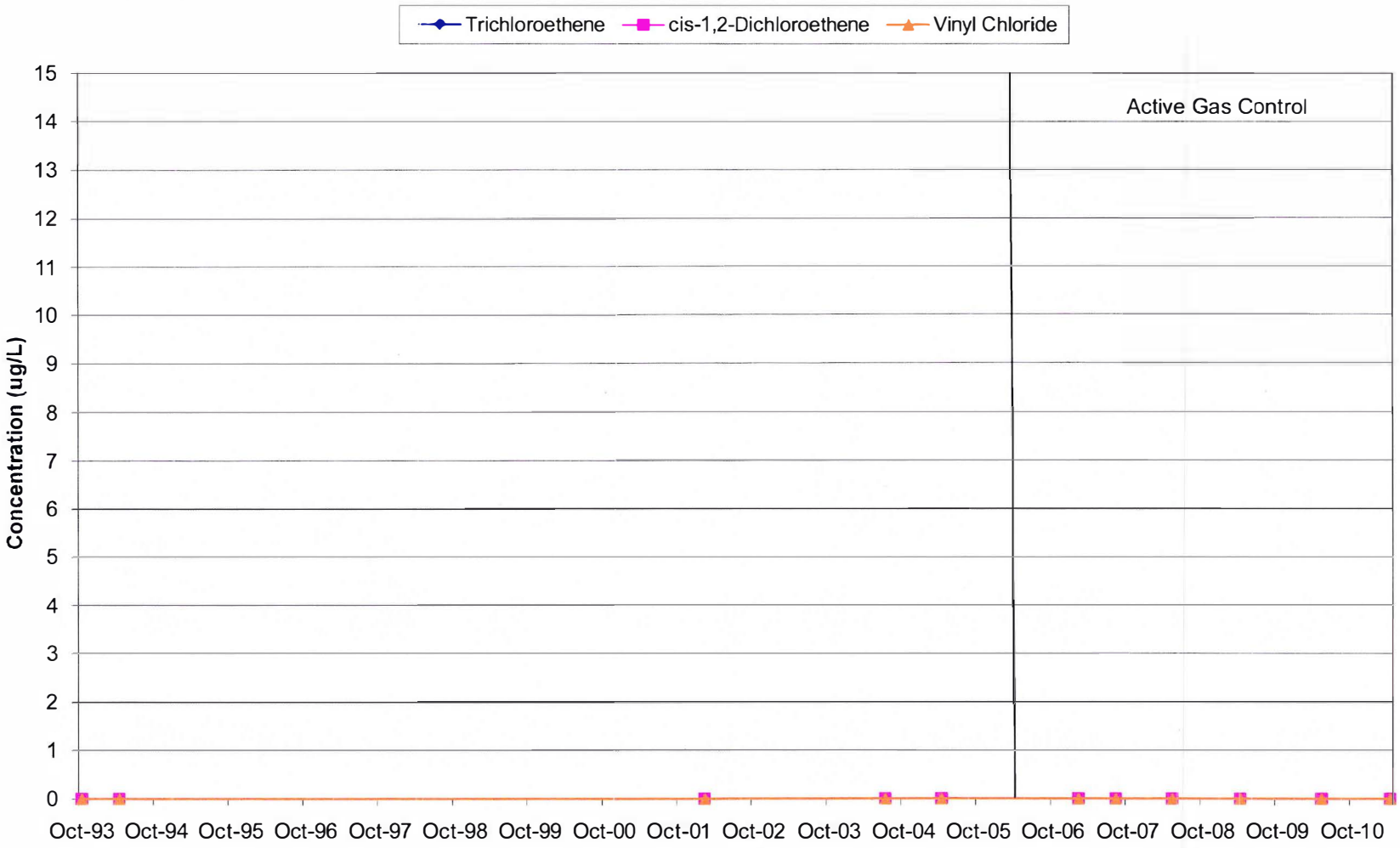
Side gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

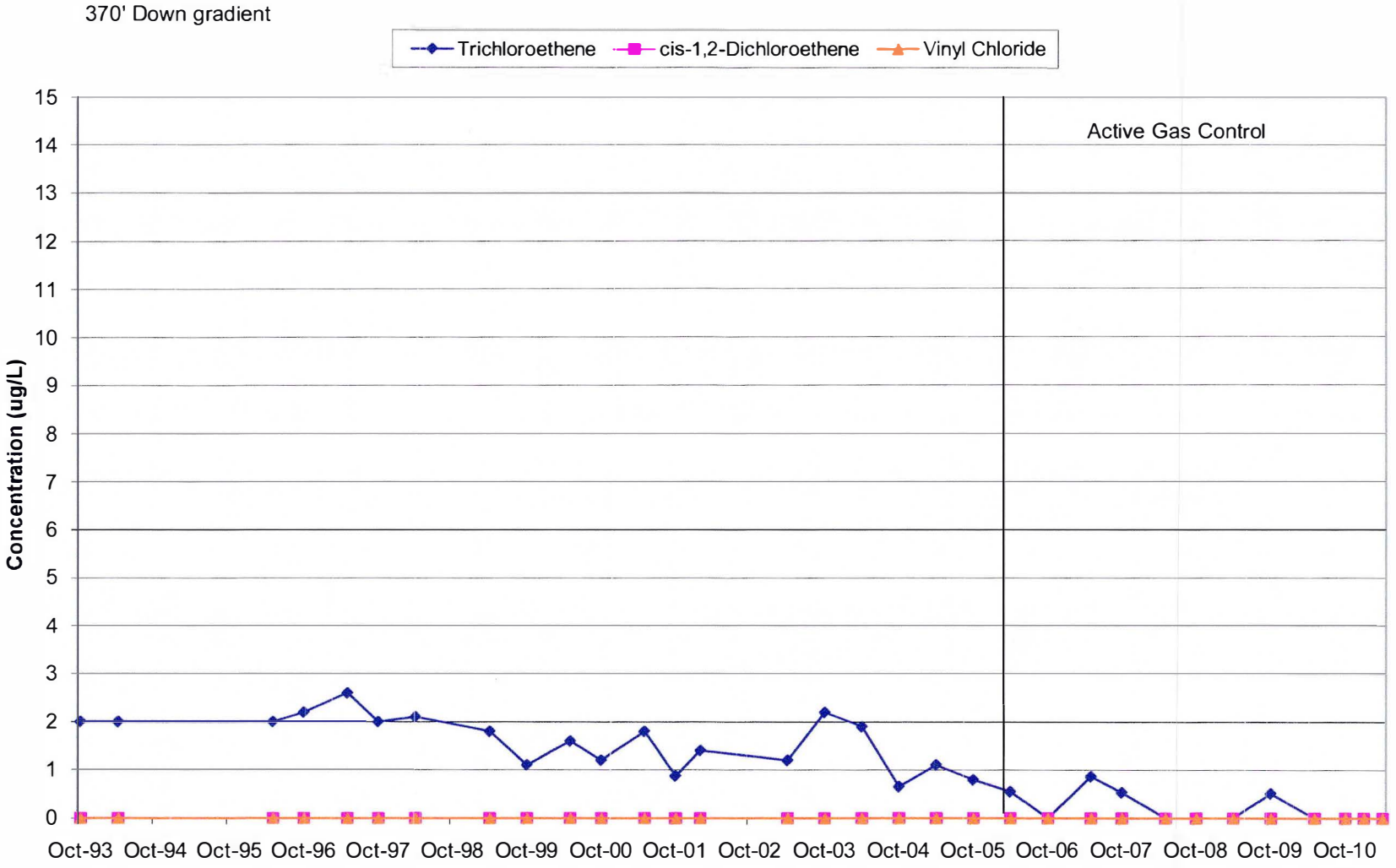
Chart 40: MW-106
Layer 1 Well

Side gradient



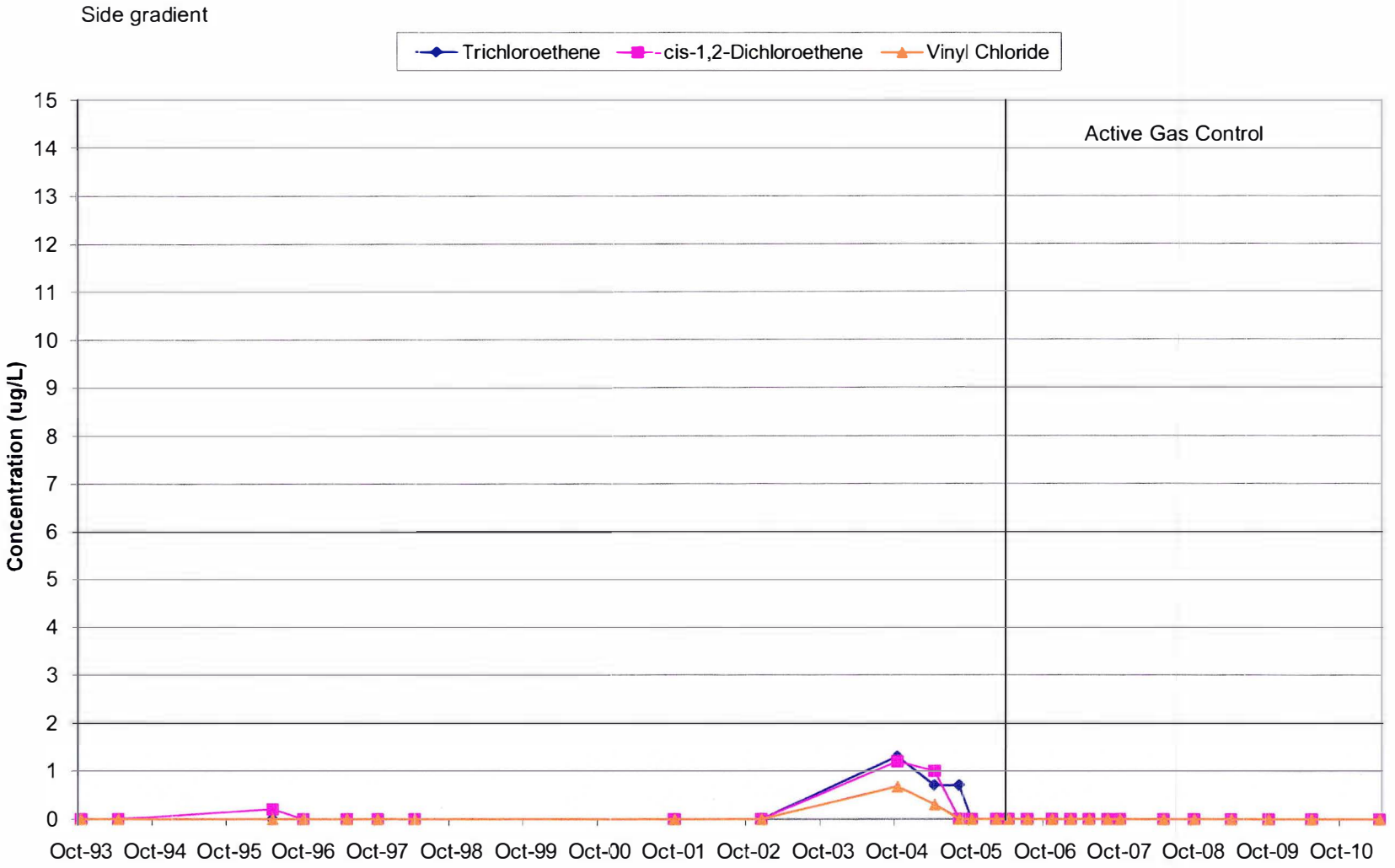
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 41: MW-107
Layer 1 Well



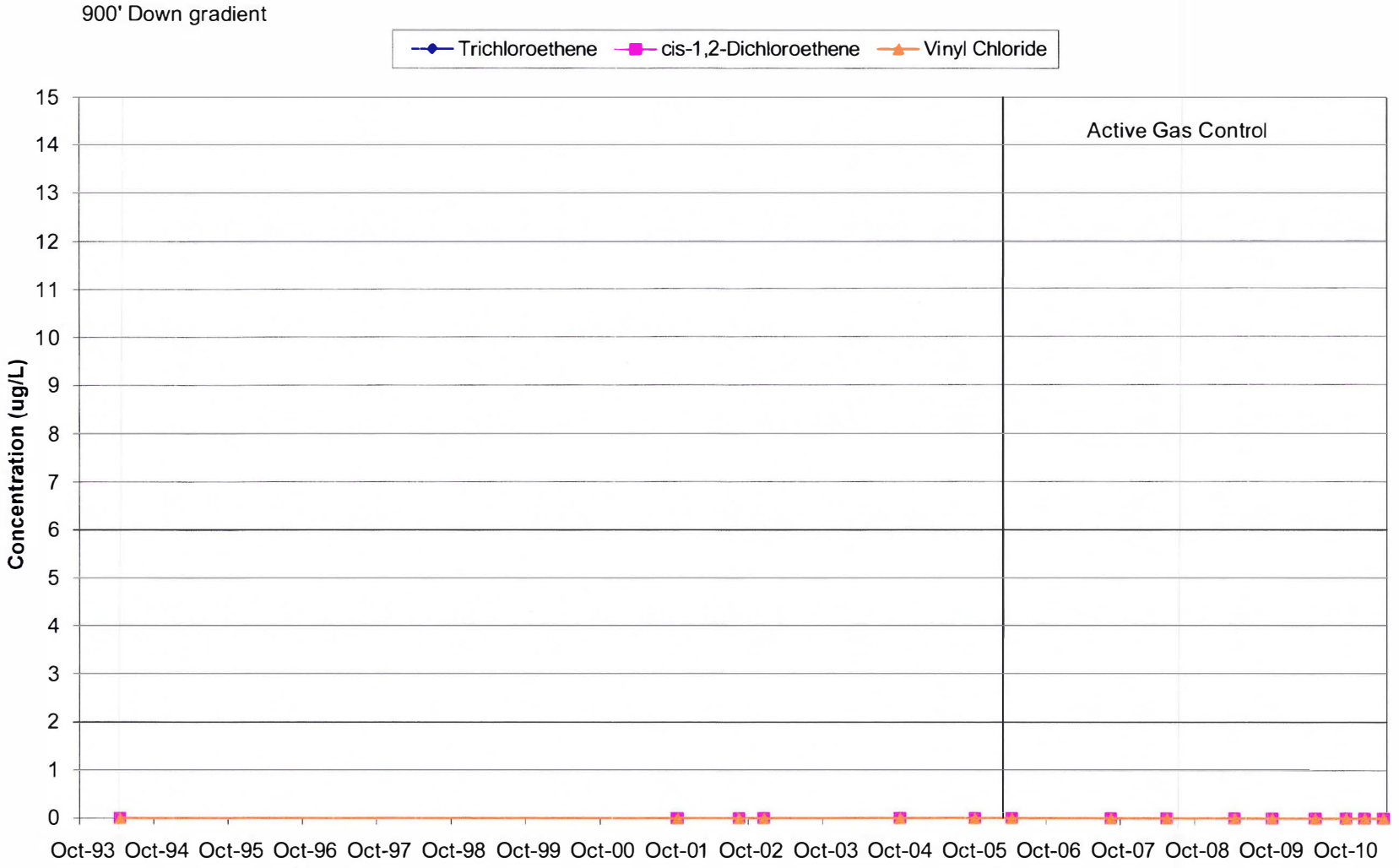
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 42: MW-108
Layer 1 Well



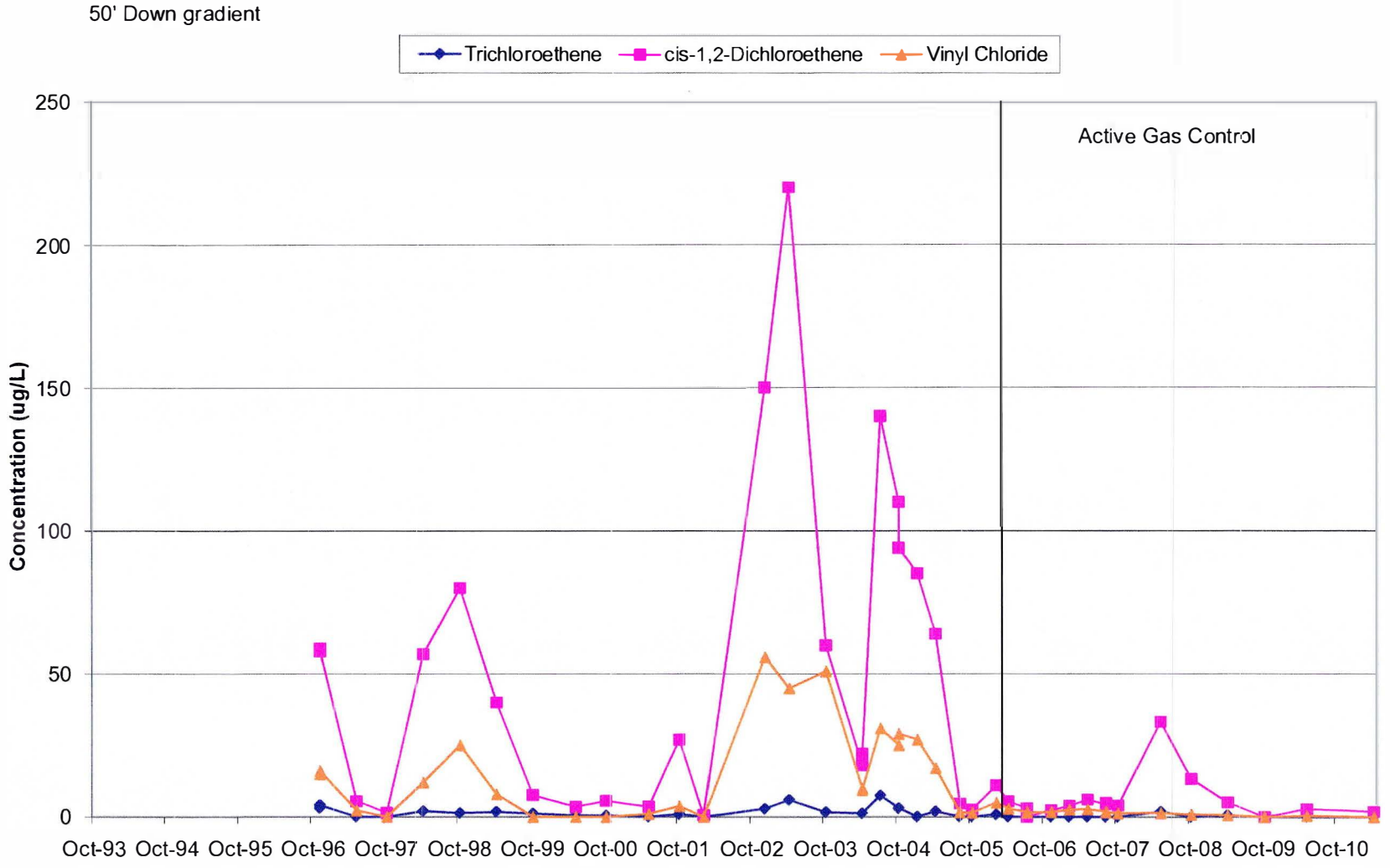
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 43: MW-111
Layer 1 Well



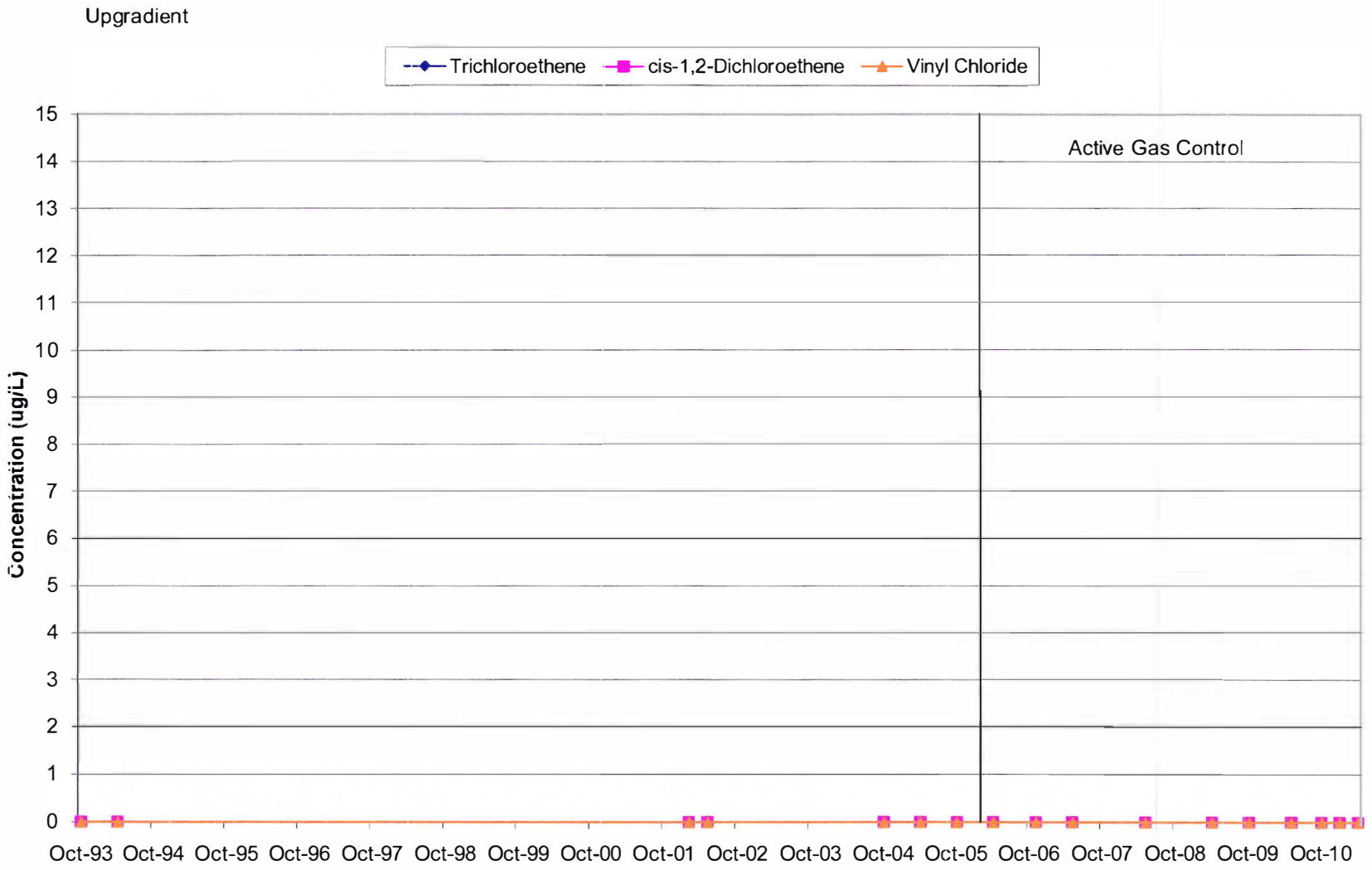
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 44: MW-112
Layer 1 Well



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

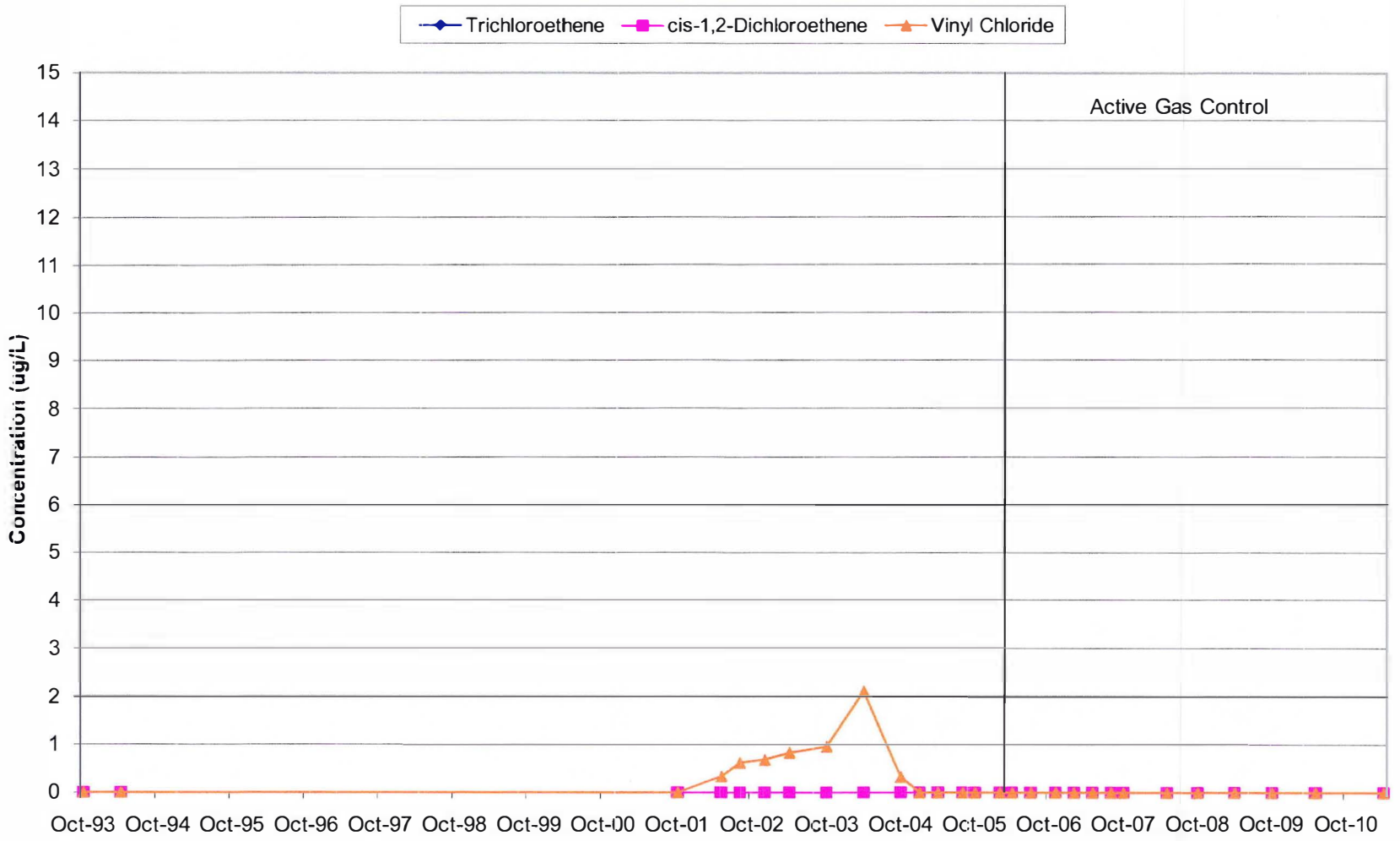
Chart 45: P-101
Layer 2 Well



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 46: P-102
Layer 2 Well

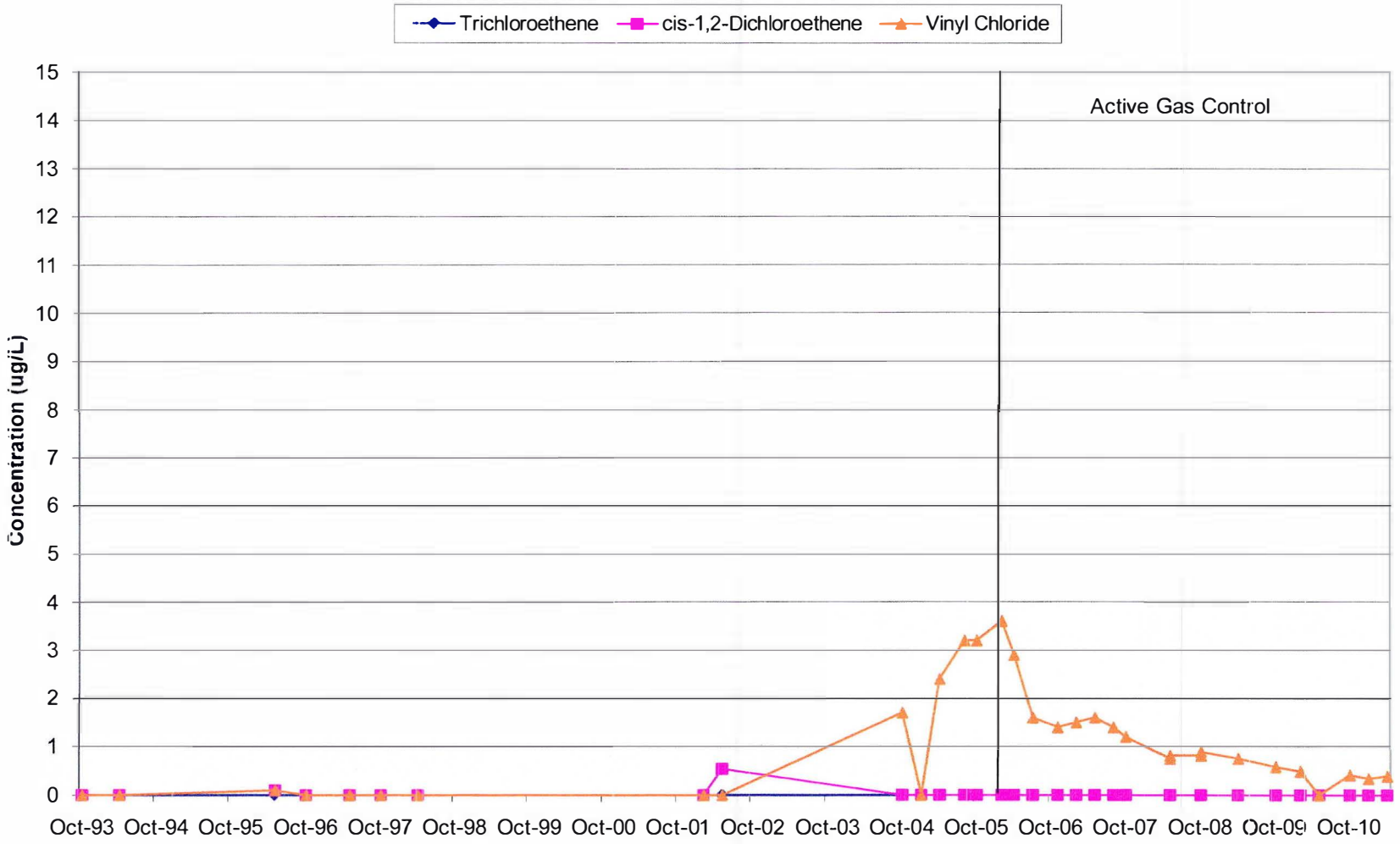
Side gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 47: P-103
Layer 2 Well

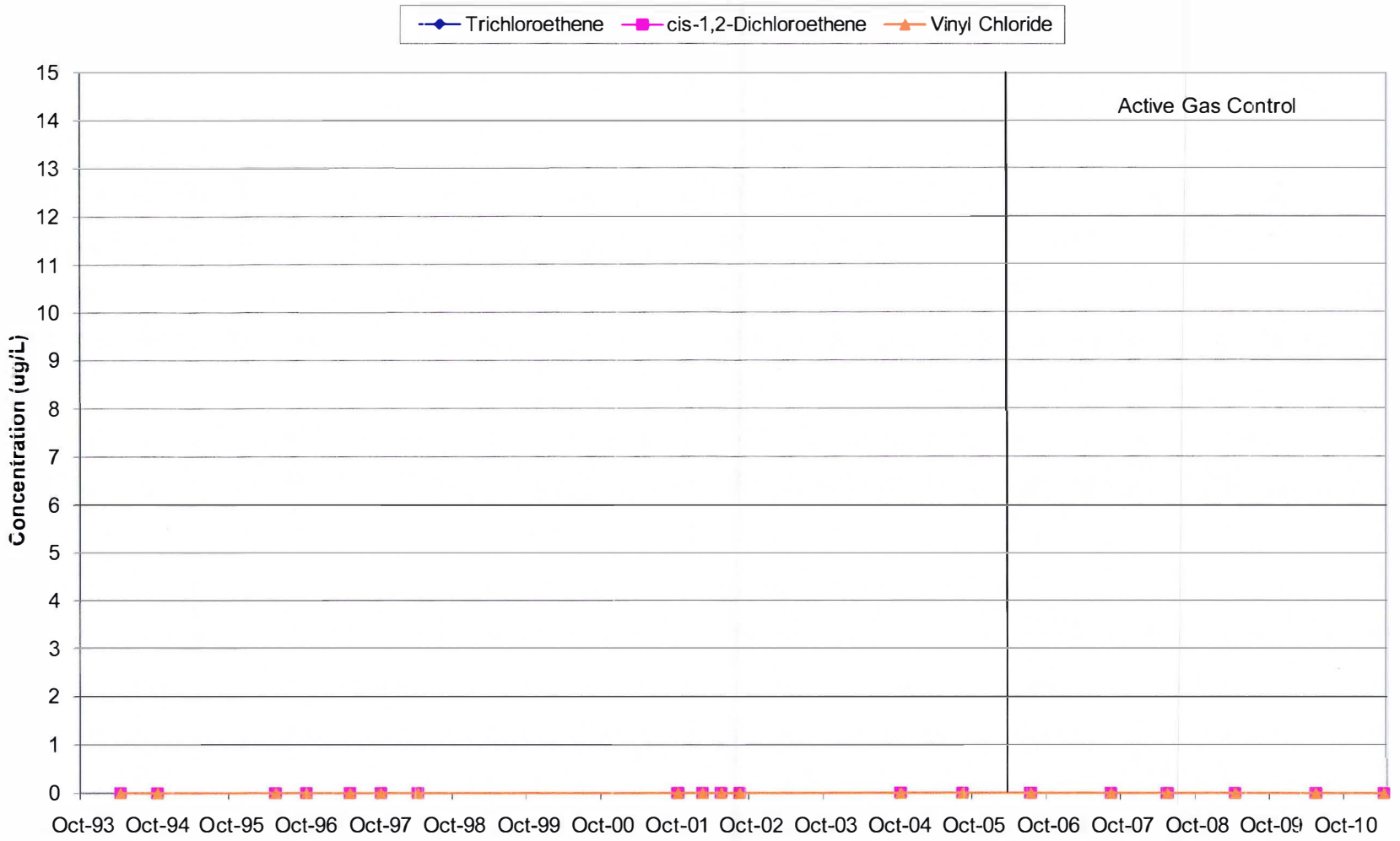
10' Down gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 48: P-104
Layer 2 Well

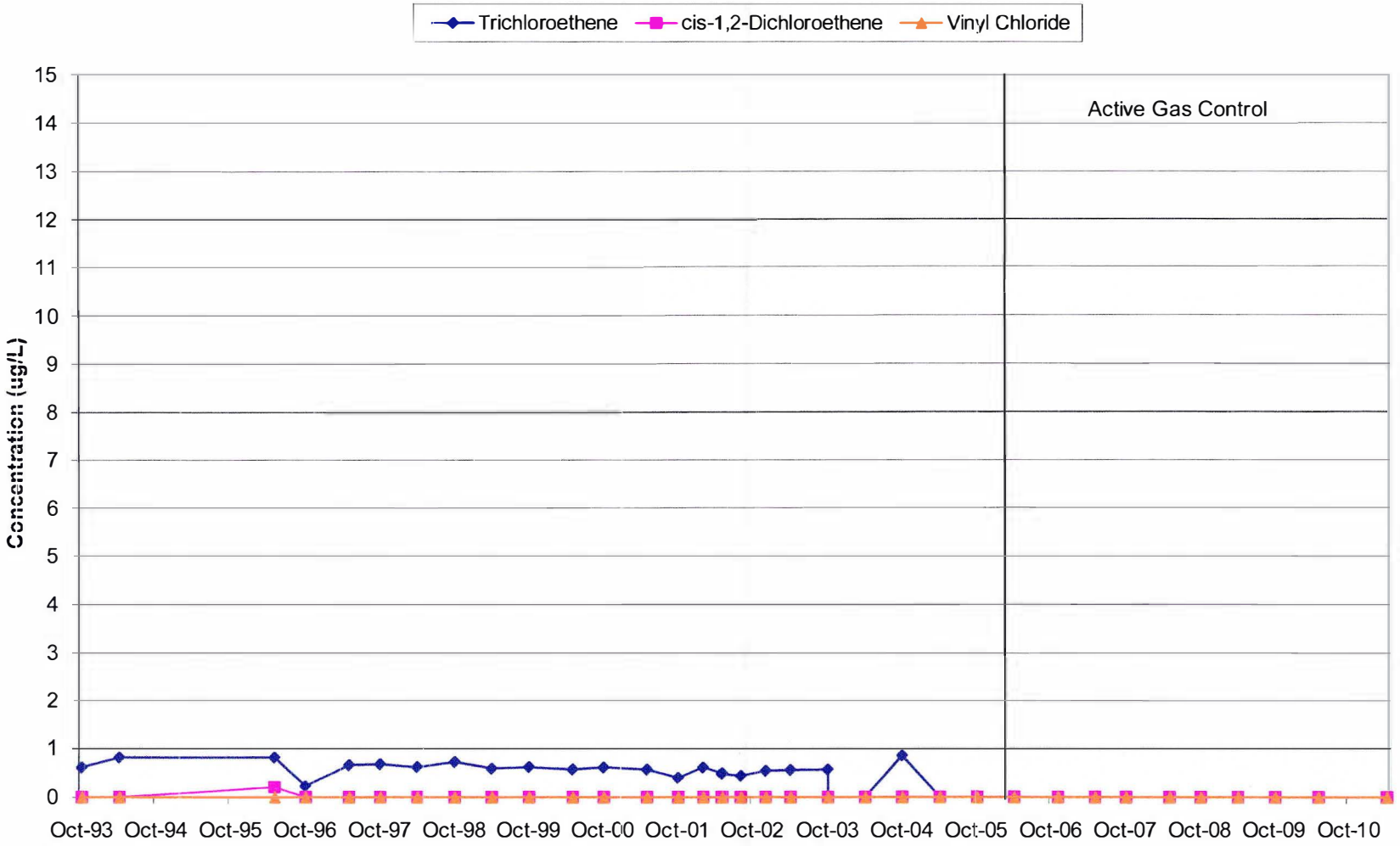
Side gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

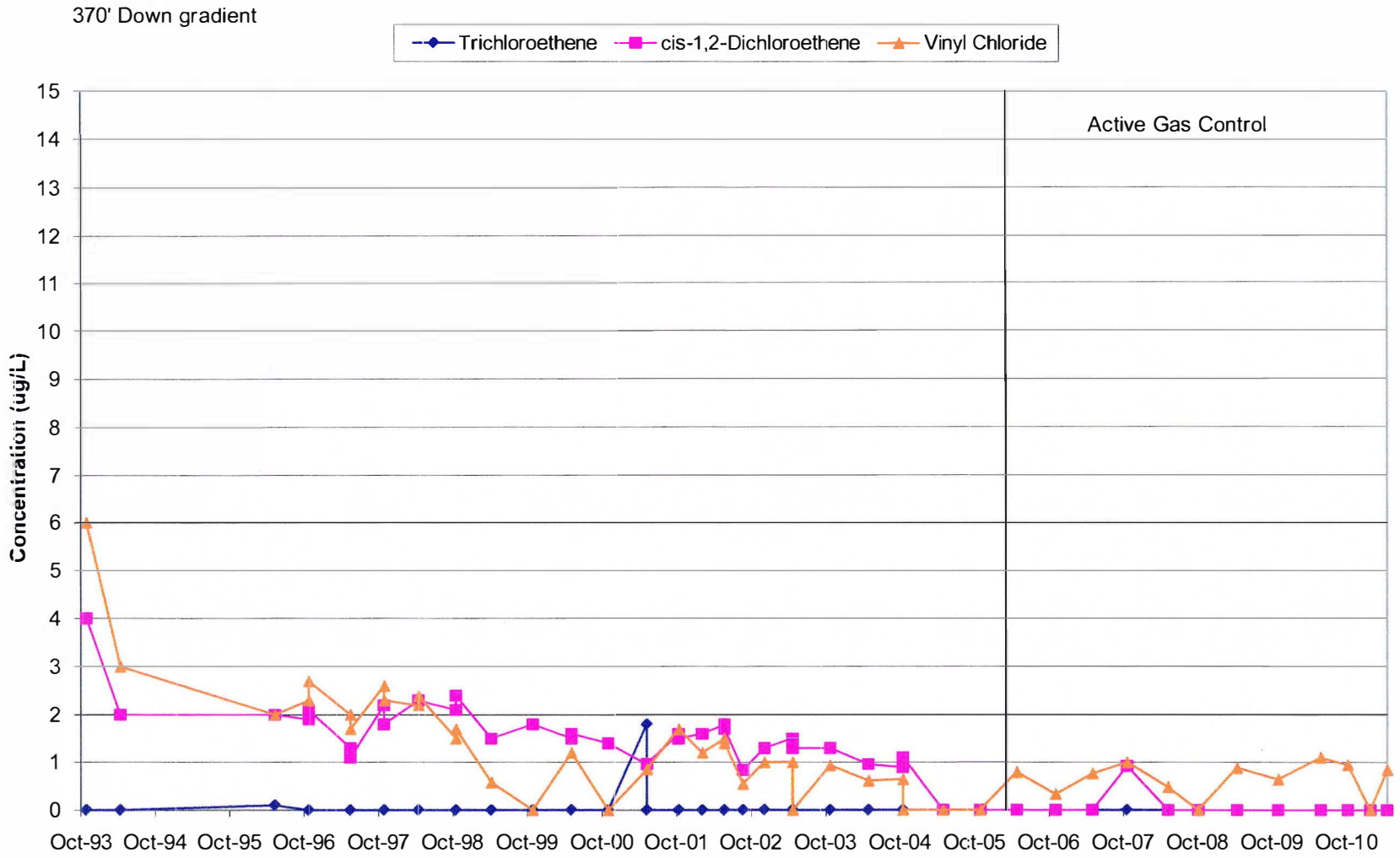
Chart 49: P-106
Layer 2 Well

Side gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

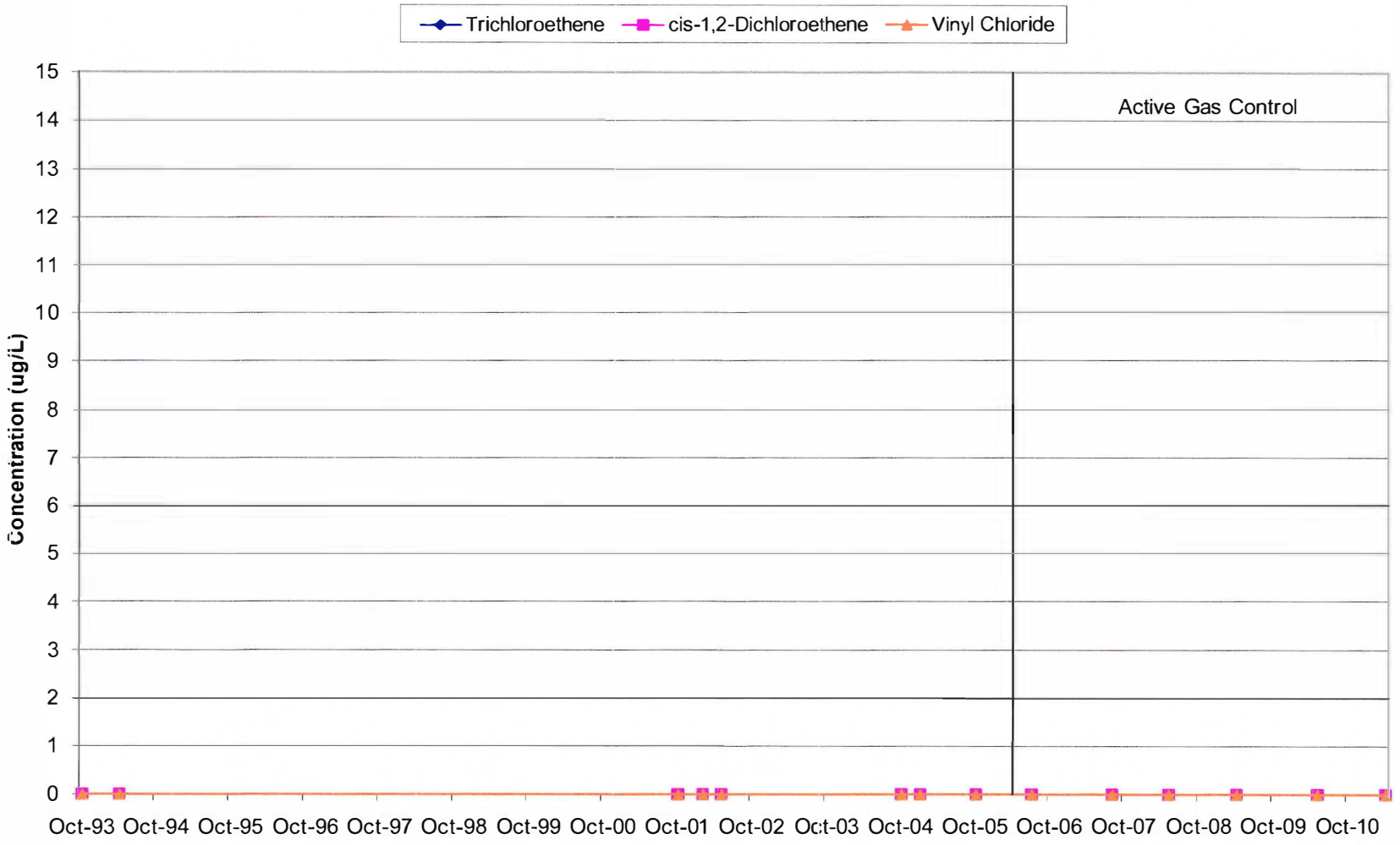
Chart 50: P-107
Layer 2 Well



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 51: P-108
Layer 2 Well

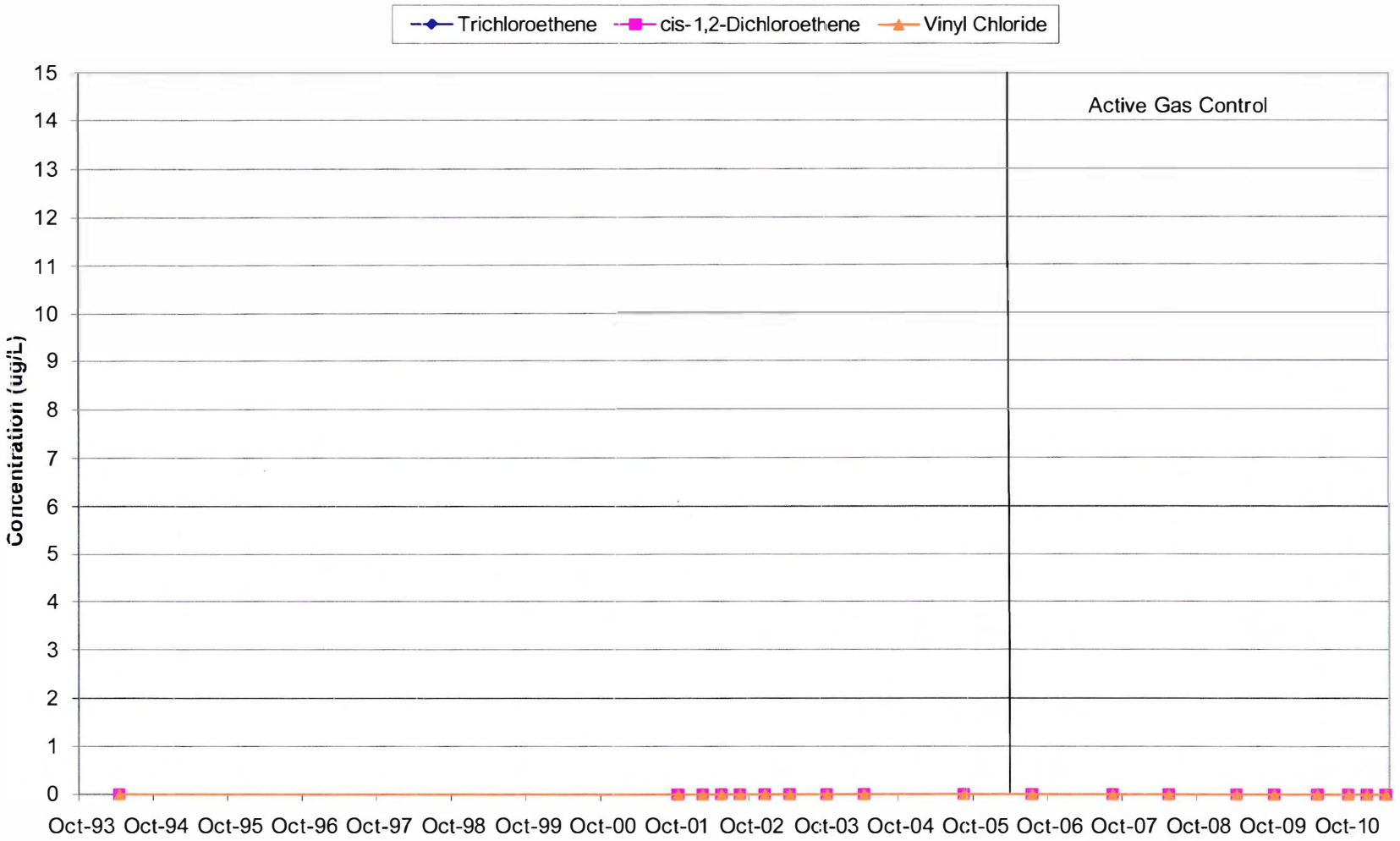
Side gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 52: P-111
Layer 2 Well

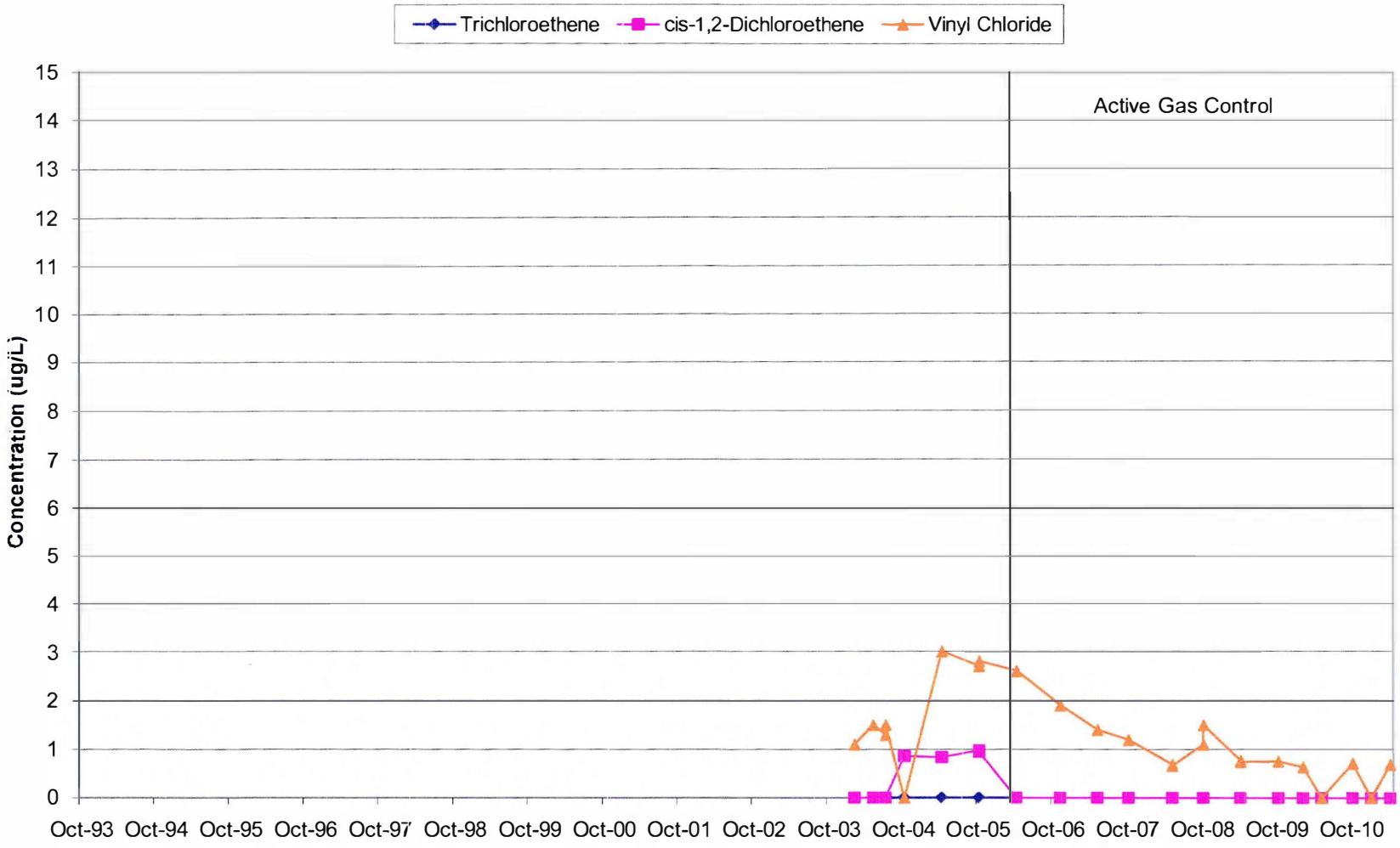
900' Down gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 53: P-103D
Layer 3 Well

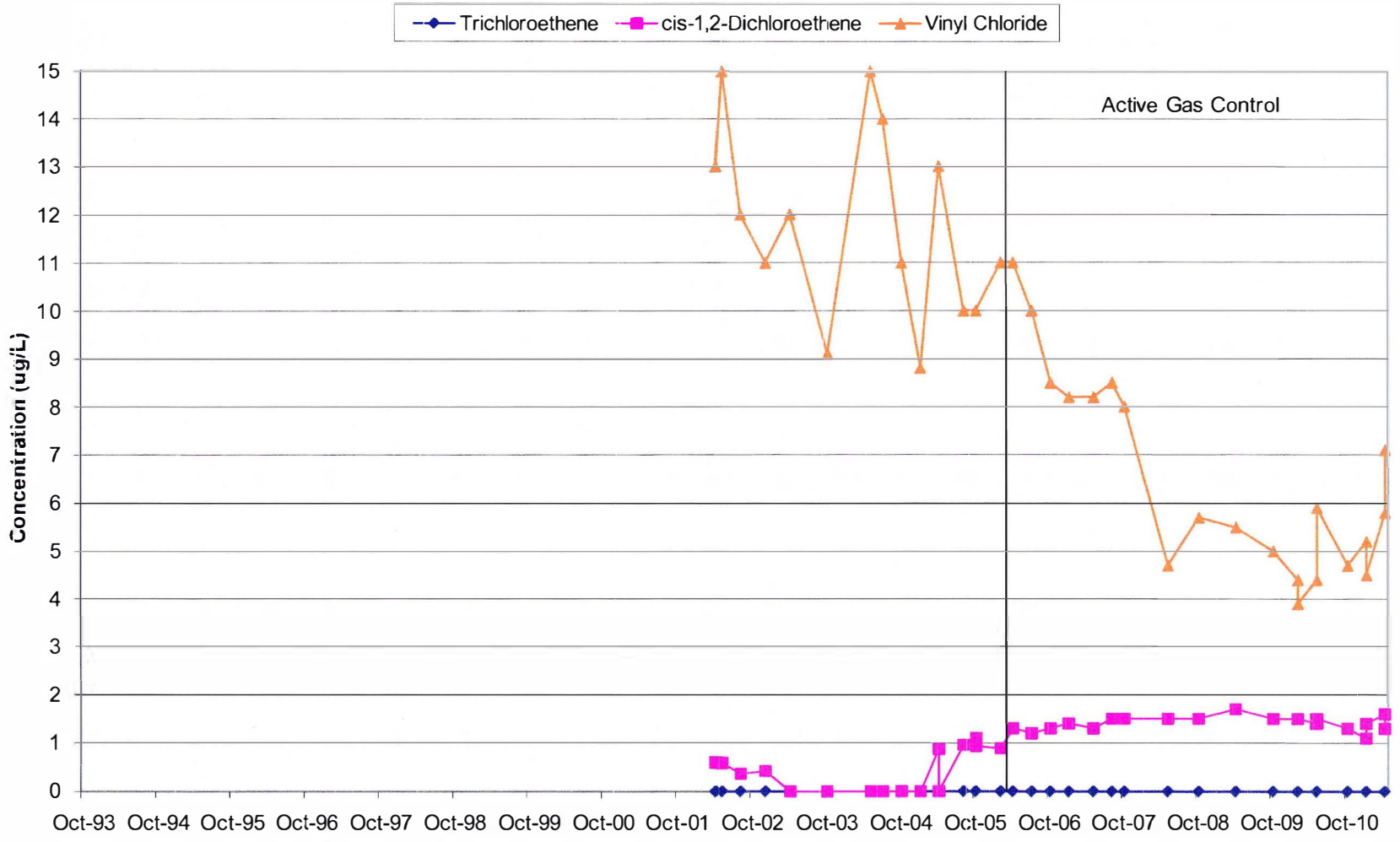
10' Down gradient



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

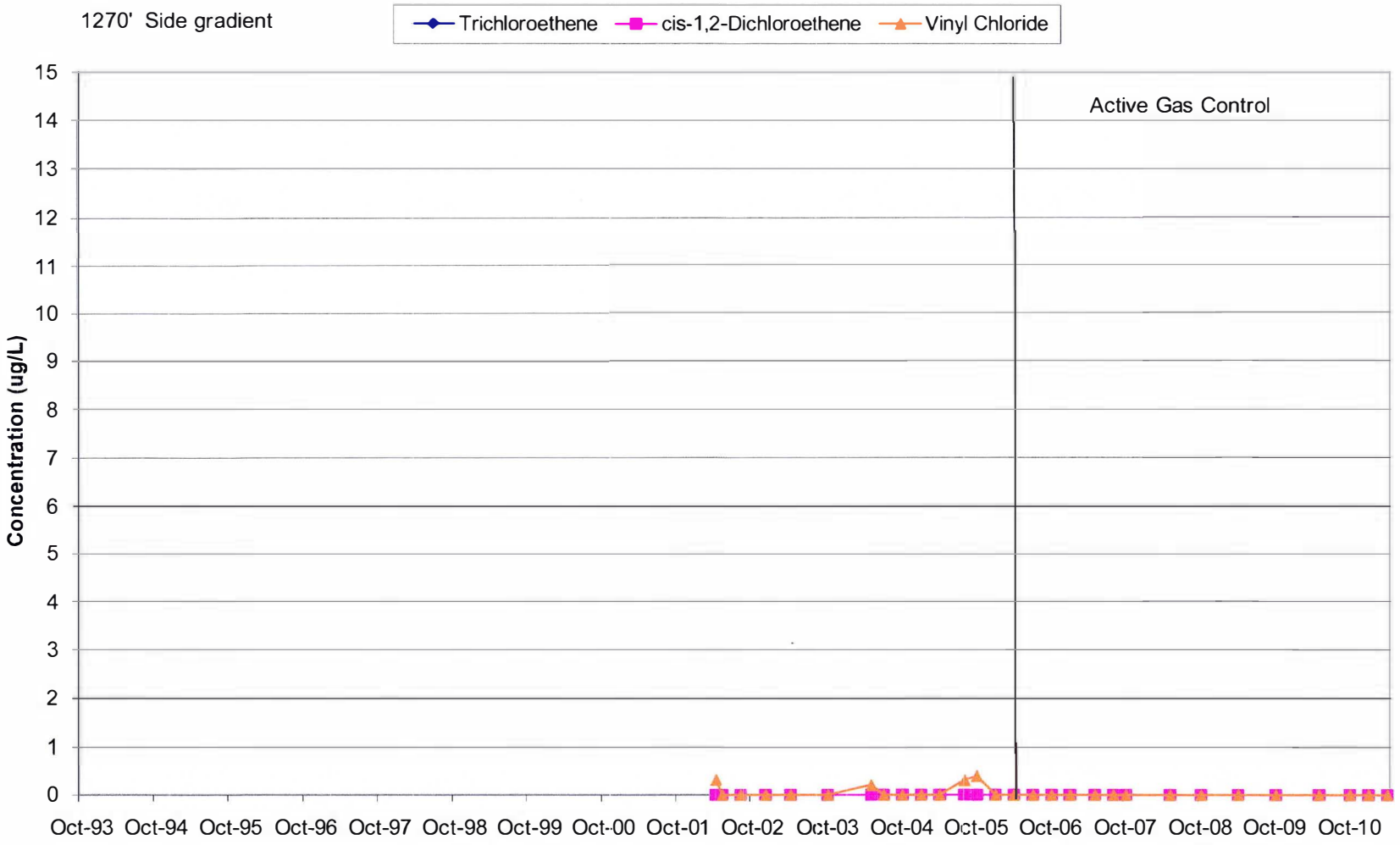
Chart 54: P-111D
Layer 3 Well

900' Down gradient



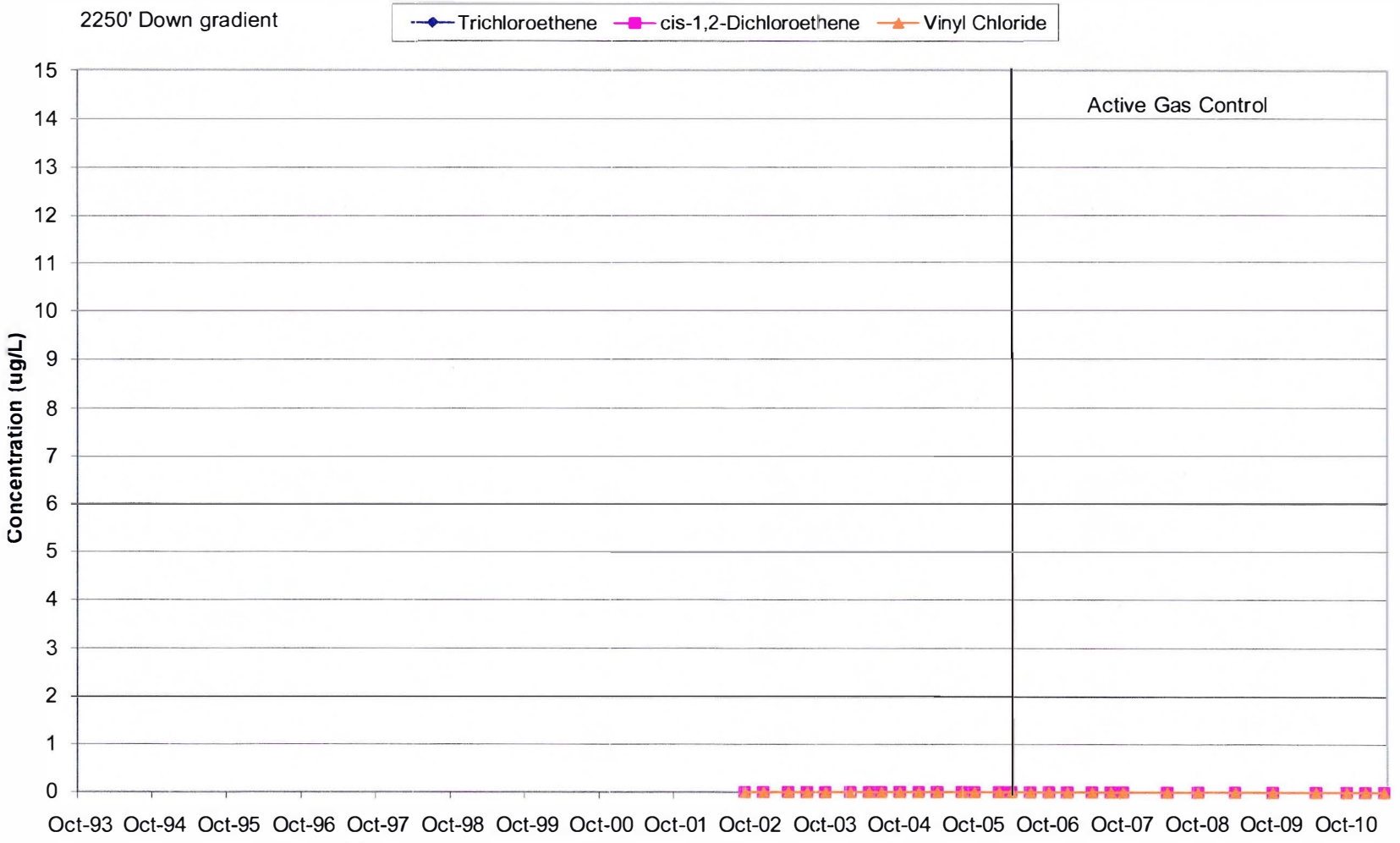
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 55: MW-3B
Layer 3 Well



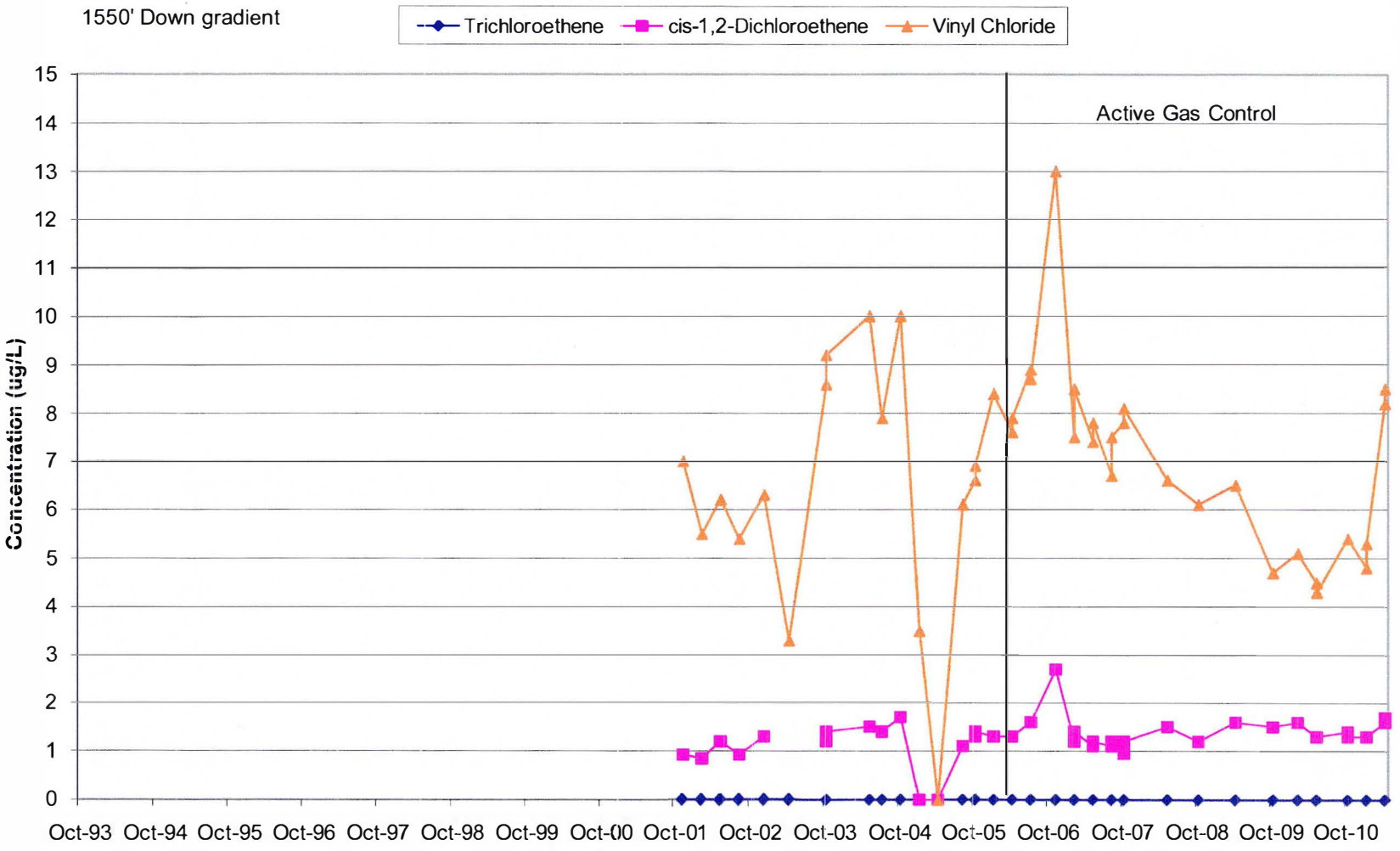
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 56: P-113B
Layer 3 Well



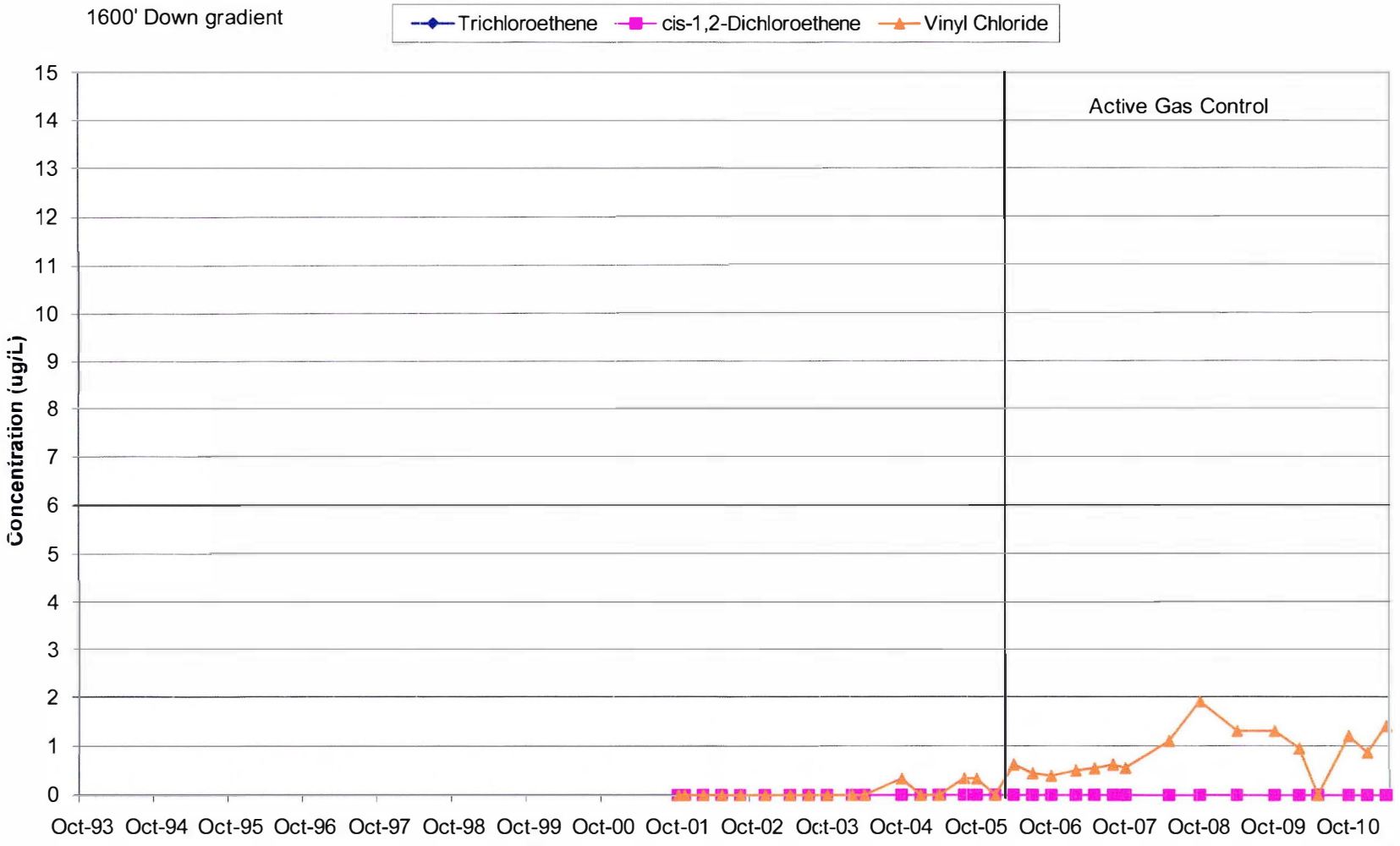
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 57: P-114
Layer 3 Well



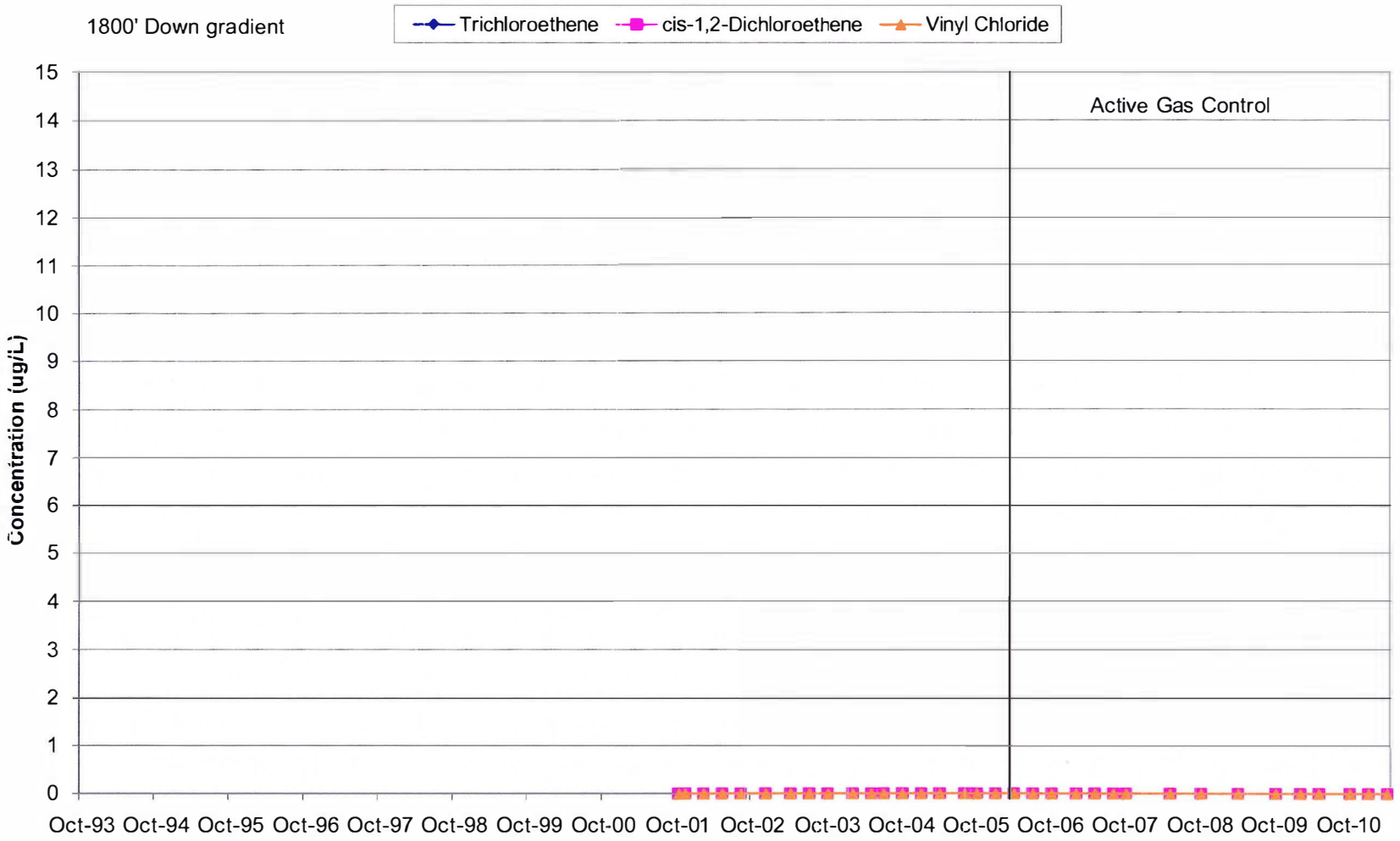
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 58: P-115
Layer 3 Well



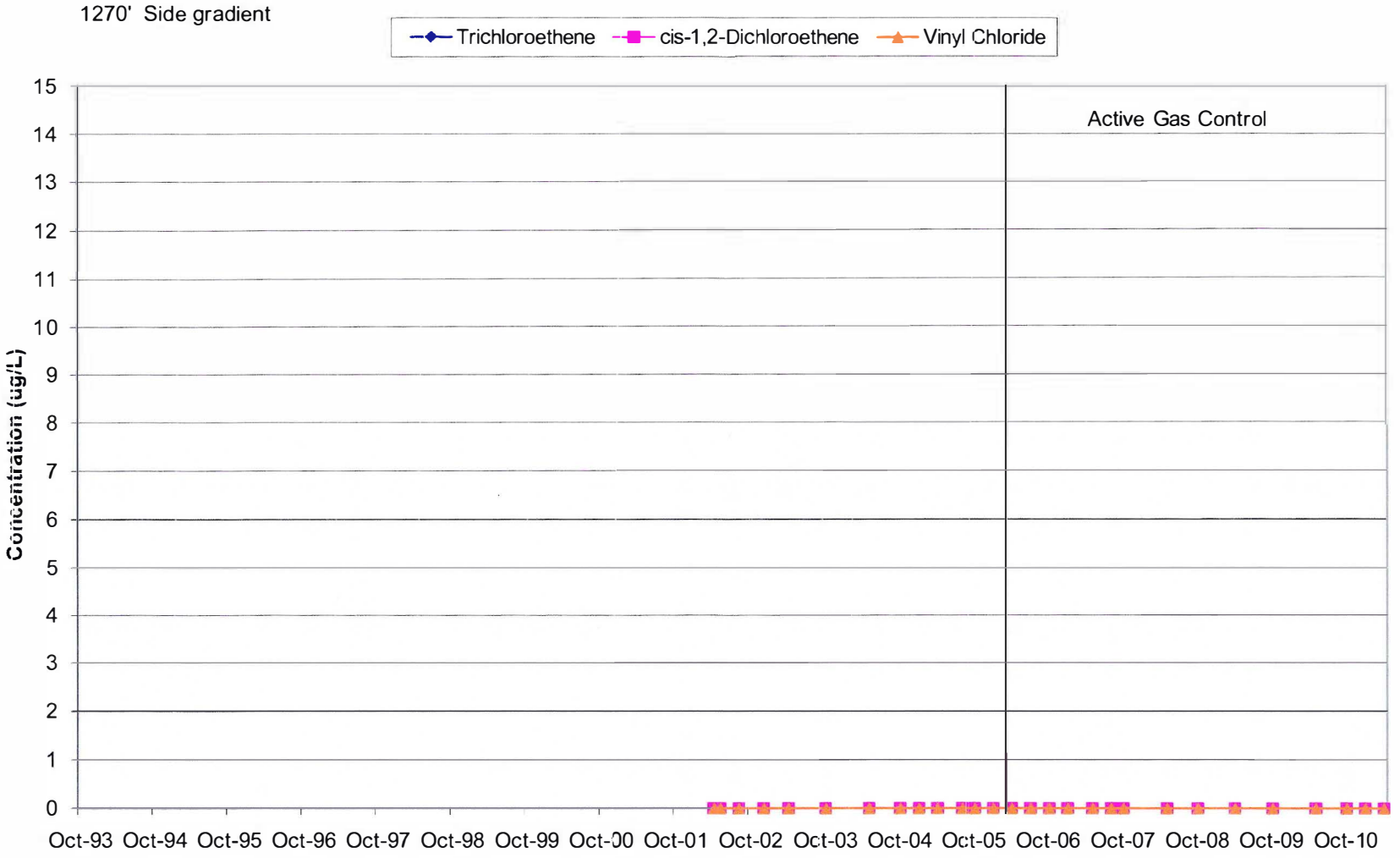
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 59: P-116
Layer 3 Well



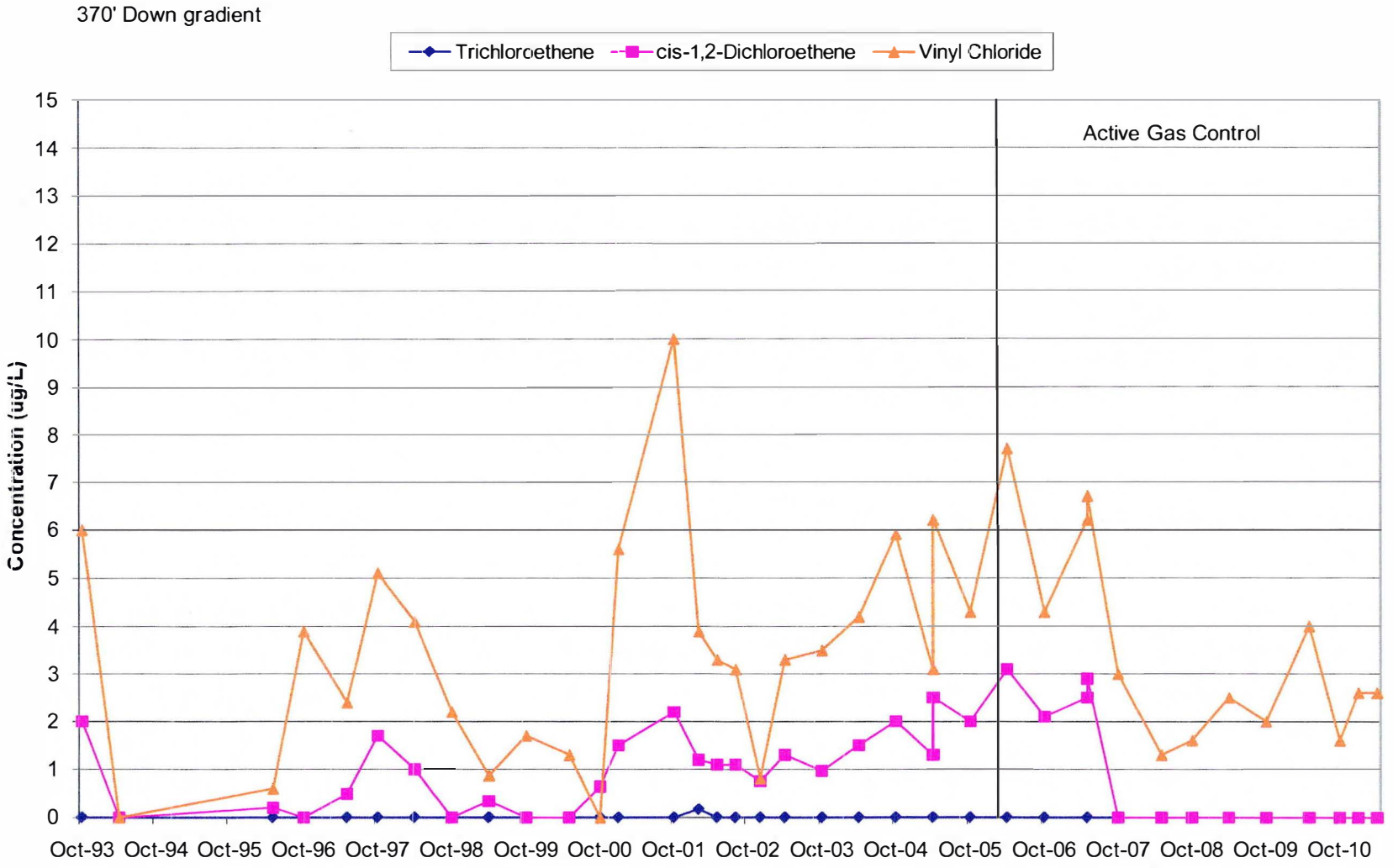
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 60: MW-3A
Layer 4 Well



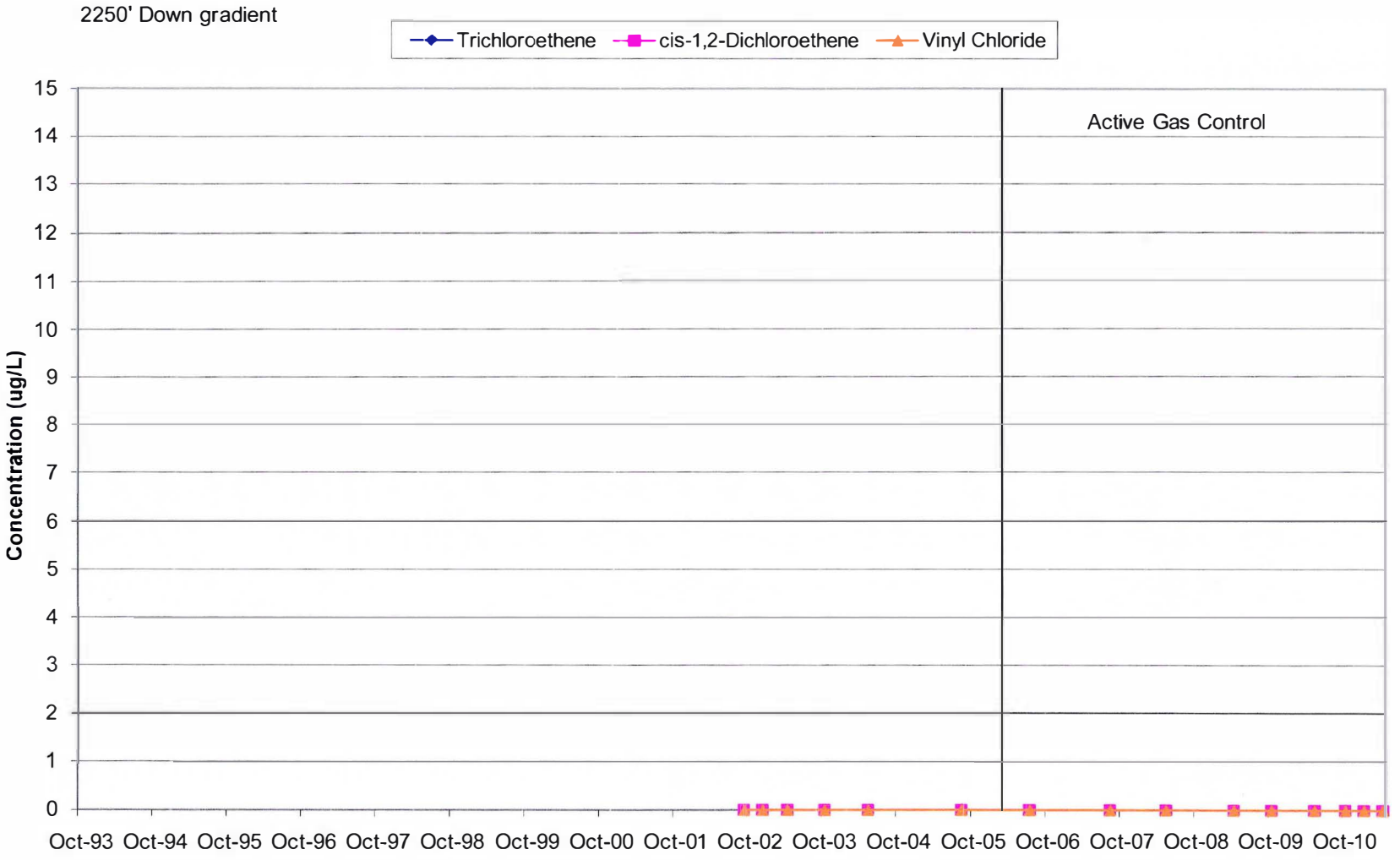
P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 61: P-107D
Layer 4 Well



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

Chart 62: P-113A
Layer 4 Well



P:\Ripon_Landfill\2011\April 2011\Tables\Groundwater VOC Trends.xls

TABLES

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	Jun-93	Oct-93	Apr-94	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Oct-99	May-00
MW-101	884.80	826.56	824.20	824.04	823.41	824.34			822.08	823.17	
P-101	885.26	826.52	824.24	824.02	823.38	824.33	823.00	820.24	822.04	823.16	822.73
MW-102	843.05	826.83	825.35	824.29	823.57	824.67	823.26			823.52	823.17
P-102	842.99	826.89	824.40	824.35	823.64	824.75	823.38	820.77	822.47	823.63	823.25
MW-103	872.42	823.08	821.77	819.49	820.56			819.22			
P-103	872.92	826.29	826.88	823.88	817.43	824.16	822.89	820.25	821.96	823.11	822.70
P-103D	873.08	(Installed December 2003)									
MW-104	875.15	826.32	824.12	824.02	823.14	824.13		820.13	823.87		
P-104	875.48	826.47	824.25	824.12	823.26	824.24	822.92	820.25	822.06	823.18	822.70
MW-106	878.90	826.67	824.21	824.24	820.96	824.61	823.23		822.42	823.45	823.10
P-106	878.91	826.63	824.09	824.07	823.42	824.51	823.16	820.40	822.33	823.38	823.02
MW-107	871.78	821.02	820.52	818.76	819.17	819.22		817.04	818.70	819.68	
P-107	871.38	820.86	820.37	818.78	819.07	819.24	818.38	817.14	818.72	819.71	818.62
P-107D	871.98			819.13	817.47	819.52	818.29	816.77	817.56	817.78	817.34
MW-108	845.25		819.00	817.85	818.17	818.31				818.48	817.49
P-108	845.61		822.03	821.09	821.29	821.52	820.55	818.77	820.25	821.18	820.25
MW-111	856.46			817.58	817.93	818.10	817.29	816.29	817.33	818.30	817.28
P-111	856.13			817.09	817.43	817.60	816.78	815.75	816.85	817.83	816.79
P-111D	855.79	(Installed April 2002)									
MW-112	874.55				819.46	819.92	819.02		819.15	820.02	819.20
P-113A	833.09	(Installed September 2002)									
P-113B	833.10	(Installed September 2002)									
P-114	839.35	(Private well converted to monitoring well in 2003)									
P-115	842.71	(Private well converted to monitoring well in 2004)									
P-116	845.34	(Private well converted to monitoring well in 2004)									
MW-3A	850.77	(Water levels taken beginning February 2002)									
MW-3B	851.04	(Water levels taken beginning February 2002)									
LC1	876.15				849.02	847.87	846.99	846.82	846.56		846.27
LC2	866.05				847.25	842.91	841.20	840.61	838.31	839.29	839.17
LC3	877.34					845.69					845.82

Notes:
Blank cells indicate that the water level was below top of pump; unable to measure.
Measurements are in Feet Above Mean Sea Level (msl)
">" indicates depth to top of pump (water level was beneath pump)
NT - Not taken, only measured deep wells
NM - Well not measured

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	Oct-00	May-01	Oct-01	Feb-02	May-02	Aug-02	Oct-02	Dec-02	Apr-03	Oct-03
MW-101	884.80		823.13	824.17	823.18	DRY	DRY	NT	DRY	DRY	821.24
P-101	885.26	822.66	823.06	824.16	823.19	800.47	814.42	NT	818.91	820.46	821.16
MW-102	843.05	823.19		824.38	823.53	818.93	DRY	NT	DRY	820.95	821.57
P-102	842.99		823.39	824.49	823.69	799.84	814.94	NT	819.47	821.08	821.66
MW-103	872.42			821.63	>51.32	819.28	819.34	NT	DRY	DRY	819.61
P-103	872.92	822.60	823.02	823.87	823.00	801.70	814.74	NT	819.01	820.52	821.12
P-103D	873.08										
MW-104	875.15			823.88	>51.28	DRY	DRY	NT	DRY	820.37	820.85
P-104	875.48	822.64	823.10	824.03	823.12	802.51	814.82	NT	819.05	820.50	821.43
MW-106	878.90	822.96	823.34	Dry	823.50	DRY	DRY	NT	DRY	DRY	821.58
P-106	878.91	822.89	823.26	824.25	823.39	800.31	814.52	NT	819.18	820.80	821.49
MW-107	871.78		819.36	820.12	>52.5	816.72	DRY	DRY	DRY	817.73	818.35
P-107	871.38	818.62	819.35	820.12	818.86	809.86	813.29	NT	816.65	817.74	818.39
P-107D	871.98	818.10	819.04	816.61	817.70	811.80	815.35	816.43	816.68	817.26	816.72
MW-108	845.25		818.32	818.62	>27.7	815.44	815.45	NT	815.79	816.20	816.68
P-108	845.61	820.45	820.97	822.08	820.66	811.84	815.19	NT	817.83	818.57	819.26
MW-111	856.46	817.32	818.15	818.74	817.51	813.43	813.59	NT	815.42	816.14	816.71
P-111	856.13	816.83	817.68	818.26	817.04	812.54	812.90	NT	814.90	815.68	816.27
P-111D	855.79					807.70	815.16	816.73	816.22	818.17	817.95
MW-112	874.55	819.21	819.87	820.52	822.87	814.38	814.47	NT	816.75	817.87	818.54
P-113A	833.09							816.09	816.39	816.93	816.20
P-113B	833.10							816.68	816.93	817.25	816.58
P-114	839.35									817.17	816.93
P-115	842.71										
P-116	845.34										
MW-3A	850.77				817.24	810.74	815.18	816.11	815.99	816.63	815.67
MW-3B	851.04				819.32	807.37	815.34	817.07	817.54	818.31	817.92
LC1	876.15		846.30	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM
LC2	866.05	839.28	839.03	838.92	838.97	838.83	838.98	NT	838.75	839.17	NM
LC3	877.34		845.80	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	Feb-04	Apr-04	Jul-04	Oct-04	Jan-05	Apr-05	Jul-05	Oct-05	Jan-06	Mar-06
MW-101	884.80	NM	822.87	825.76	823.36	822.85	823.27	821.11	DRY	820.81	NM
P-101	885.26	NM	822.86	825.76	823.35	822.84	823.26	821.07	820.23	820.75	NM
MW-102	843.05	NM	823.34	826.08	823.71	823.34	823.66	821.70	820.65	821.33	NM
P-102	842.99	NM	823.42	826.17	823.79	823.38	823.75	821.48	820.72	821.41	NM
MW-103	872.42	NM	821.06	824.54	822.24	820.52	821.60	819.70	819.25	819.24	NM
P-103	872.92	NM	822.77	825.58	823.23	822.78	823.14	821.09	820.26	820.92	NM
P-103D	873.08	820.64	821.89	824.39	822.21	821.89	822.08	820.26	819.23	820.24	NM
MW-104	875.15	NM	822.75	825.49	823.27	822.75	823.16	821.09	820.34	820.65	NM
P-104	875.48	NM	822.82	825.61	823.36	822.82	823.21	821.20	820.40	820.79	NM
MW-106	878.90	NM	823.25	826.07	823.60	823.20	823.61	821.42	DRY	821.24	NM
P-106	878.91	NM	823.17	825.99	823.50	823.10	823.54	821.31	820.50	821.16	NM
MW-107	871.78	NM	819.63	823.41	821.20	819.89	820.18	818.69	817.85	817.81	NM
P-107	871.38	NM	819.71	823.34	821.20	820.91	820.20	818.72	817.84	817.80	NM
P-107D	871.98	NM	818.68	819.78	817.72	817.65	818.77	815.90	814.85	816.33	816.45
MW-108	845.25	NM	817.86	820.27	819.00	818.17	818.41	816.95	816.27	816.31	NM
P-108	845.61	NM	820.52	823.39	821.94	820.84	821.05	819.76	819.13	819.04	NM
MW-111	856.46	NM	818.03	821.40	819.60	817.39	818.69	817.32	816.51	816.31	NM
P-111	856.13	NM	817.59	821.01	819.16	816.92	818.19	816.82	816.03	815.84	NM
P-111D	855.79	NM	819.55	821.82	819.77	819.55	819.55	818.11	817.37	818.40	NM
MW-112	874.55	NM	819.89	823.17	821.14	820.15	820.50	818.82	818.14	818.31	NM
P-113A	833.09	NM	817.91	818.17	817.32	817.28	818.35	815.50	814.36	816.40	816.04
P-113B	833.10	816.61	818.30	820.16	818.25	818.13	818.36	816.74	815.47	816.90	NM
P-114	839.35	NM	818.55	820.44	818.71	818.50	818.76	817.02	816.34	817.28	NM
P-115	842.71	NM	818.61	820.51	818.71	818.55	818.62	817.05	816.05	817.44	NM
P-116	845.34	NM	817.54	819.31	817.80	817.47	817.74	816.45	815.48	816.02	NM
MW-3A	850.77	NM	818.03	819.73	817.00	817.15	816.84	816.05	814.87	817.98	815.81
MW-3B	851.04	NM	819.79	822.01	819.66	819.60	819.45	818.44	817.28	819.15	NM
LC1	876.15	NM	846.45	NM	DRY	DRY	846.39	DRY	NM	NM	NM
LC2	866.05	NM	839.27	NM	838.89	DRY	839.05	838.89	838.91	839.01	NM
LC3	877.34	NM	DRY	NM	DRY	DRY	DRY	DRY	NM	NM	NM

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	Apr-06	Jul-06	Oct-06	Jan-07	May-07	Aug-07	Oct-07	Jan-08	May-08
MW-101	884.80	821.41	821.29	820.71	821.43	822.37	822.22	822.74	822.47	824.5
P-101	885.26	821.37	821.22	820.69	821.34	822.32	822.18	822.68	822.43	824.49
MW-102	843.05	821.91	821.75	821.15	821.73	822.85	822.55	822.95	822.95	824.9
P-102	842.99	822.06	821.80	821.25	821.82	822.90	822.63	823.01	823.03	824.95
MW-103	872.42	819.36	819.82	818.82	819.47	820.39	820.45	820.78	820.46	822.13
P-103	872.92	821.42	821.33	820.70	821.39	822.31	822.17	822.63	822.86	824.39
P-103D	873.08	820.54	820.43	819.88	820.52	821.56	821.495	822.015	821.935	823.885
MW-104	875.15	821.35	821.16	820.61	821.11	822.17	822.06	822.56	822.25	824.26
P-104	875.48	821.45	821.33	820.76	821.29	822.29	822.27	822.75	822.44	824.45
MW-106	878.90	821.85	821.77	821.10	821.78	822.78	822.51	822.76	822.84	824.77
P-106	878.91	821.72	821.67	820.99	821.62	822.71	822.44	822.7	822.75	824.7
MW-107	871.78	818.03	DRY	817.90	818.29	818.87	818.97	819.12	818.88	820.34
P-107	871.38	818.19	818.59	817.89	818.23	818.88	819.01	819.08	818.91	820.27
P-107D	871.98	816.89	816.83	816.24	817.05	818.27	818.79	819.93	820.32	822.9
MW-108	845.25	816.70	816.88	816.39	816.64	817.39	817.96	817.99	817.5	819.15
P-108	845.61	819.40	819.65	819.41	819.40	820.14	821.45	821.33	820.44	822.15
MW-111	856.46	816.74	817.14	816.58	816.72	817.40	817.44	817.51	NT	818.85
P-111	856.13	816.24	816.74	816.09	816.23	816.92	816.95	817.01	816.85	818.4
P-111D	855.79	818.62	818.54	818.26	818.48	819.84	819.44	819.92	820.14	822.09
MW-112	874.55	818.66	818.88	818.20	818.52	819.24	819.39	819.73	819.41	820.97
P-113A	833.09	816.39	816.54	815.81	817.29	817.78	818.13	819.42	819.91	822.4
P-113B	833.10	817.01	817.57	816.81	816.70	818.11	818.26	819.09	819.35	821.36
P-114	839.35	817.38	817.36	816.86	817.36	818.48	818.14	818.61	819	820.91
P-115	842.71	817.56	817.50	817.12	817.62	818.72	818.375	818.815	819.185	821.095
P-116	845.34	816.48	816.34	816.00	816.38	817.47	816.905	817.475	817.755	819.425
MW-3A	850.77	816.29	817.51	816.34	817.49	817.68	819.68	820.7	821.15	823.53
MW-3B	851.04	818.86	819.18	818.27	818.88	819.62	820.24	820.88	821.08	823.09
LC1	876.15	843.40	847.60	847.66	NM	846.41	NM	NM	NM	845.89
LC2	866.05	839.47	839.52	838.45	NM	838.63	NM	NM	NM	837.81
LC3	877.34	845.89	845.87	844.68	NM	846.12	NM	NM	NM	845.28

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	Jul-08	Sep-08	Oct-08	Jan-09	Apr-09	Jul-09	Oct-09	Feb-10
MW-101	884.80	825.1	822.61	822.63	822.93	824.08	823.61	822.68	822.2
P-101	885.26	825.07	822.56	822.59	822.91	824.05	823.6	822.63	822.17
MW-102	843.05	825.36	822.77	822.83	823.4	824.49	823.85	822.99	822.65
P-102	842.99	825.34	822.74	822.81	823.5	824.57	824.11	823.05	822.76
MW-103	872.42	823.95	822.05	821.92	821.19	821.99	821.72	820.83	820.27
P-103	872.92	825.02	822.57	822.66	822.97	824.06	823.59	822.62	822.24
P-103D	873.08	824.425	822.145	822.265	822.475	823.545	822.905	822.055	821.705
MW-104	875.15	824.9	822.54	822.55	822.82	823.92	823.47	822.53	822.06
P-104	875.48	825.12	822.78	822.74	822.98	824.06	823.64	822.68	822.22
MW-106	878.90	824.98	822.7	822.75	823.31	824.41	823.94	822.96	822.61
P-106	878.91	825.25	822.63	822.64	823.25	824.37	823.9	822.85	822.54
MW-107	871.78	823.81	821.16	821.04	819.71	820.34	820.25	819.37	818.81
P-107	871.38	823.72	821.1	821.09	819.4	820.34	820.26	819.34	818.48
P-107D	871.98	823.25	820.9	820.87	820.81	822.24	820.61	819.98	819.88
MW-108	845.25	820.42	819.28	819.23	818.16	818.87	818.58	817.93	817.28
P-108	845.61	823.57	822.14	822.05	820.87	821.67	821.73	821.06	820.08
MW-111	856.46	821.08	819.77	819.75	818.21	818.88	818.71	817.87	817.29
P-111	856.13	820.72	819.35	819.23	817.77	818.41	818.3	817.43	816.86
P-111D	855.79	822.61	820.74	820.79	820.65	821.71	820.85	820.15	819.91
MW-112	874.55	822.76	821.08	820.99	820.08	820.83	820.62	819.76	819.24
P-113A	833.09	822.8	820.45	820.53	820.34	821.81	820.1	819.4	819.57
P-113B	833.10	821.79	820.09	820.1	819.84	820.96	819.81	819.24	819.15
P-114	839.35	821.45	819.79	819.83	819.5	820.51	819.6	818.99	818.75
P-115	842.71	821.635	819.965	819.975	819.655	820.725	819.805	819.145	818.935
P-116	845.34	820.385	816.805	818.705	818.375	819.155	818.465	817.755	817.565
MW-3A	850.77	823.87	821.57	821.62	821.62	822.96	821.46	820.87	820.85
MW-3B	851.04	823.53	821.48	821.5	821.51	822.66	821.74	821.06	820.84
LC1	876.15	NM	NM	NM	NM	NM	NM	NM	NM
LC2	866.05	NM	NM	NM	NM	NM	NM	NM	NM
LC3	877.34	NM	NM	NM	NM	NM	NM	NM	NM

Table 1 - Groundwater Elevations
FF/NN Landfill
Ripon, WI

Well Name	TOC Elevation	May-10	Sep-10	Jan-11	Mar-11	Apr-11
MW-101	884.80	823.43	823.29	822.19	NM	823.66
P-101	885.26	823.37	823.25	822.14	NM	823.6
MW-102	843.05	823.77	823.66	822.66	NM	824.1
P-102	842.99	823.8	823.71	822.74	NM	824.16
MW-103	872.42	821.25	821.32	820.29	NM	821.34
P-103	872.92	823.34	823.19	822.26	NM	823.6
P-103D	873.08	822.575	822.35	821.81	821.96	822.88
MW-104	875.15	823.25	823.12	822.1	NM	823.47
P-104	875.48	823.41	823.3	822.26	NM	823.62
MW-106	878.90	823.72	823.6	822.57	NM	824.02
P-106	878.91	823.64	823.52	822.52	NM	823.94
MW-107	871.78	819.59	819.85	818.83	NM	819.76
P-107	871.38	819.62	819.82	818.98	NM	819.73
P-107D	871.98	819.68	818.85	820.47	819.05	820.29
MW-108	845.25	818.27	818.39	817.44	NM	818.51
P-108	845.61	821.53	821.66	820.25	NM	821.32
MW-111	856.46	818.07	818.3	817.39	NM	818.37
P-111	856.13	817.61	817.88	816.96	NM	817.89
P-111D	855.79	820.41	820.16	817.15	820.05	820.83
MW-112	874.55	820.13	820.24	819.33	NM	820.23
P-113A	833.09	819.09	818.24	820.05	818.53	819.67
P-113B	833.10	819.27	818.88	819.45	818.97	819.64
P-114	839.35	819.12	819	819.09	818.85	819.75
P-115	842.71	819.205	819.13	819.265	819.005	819.855
P-116	845.34	818.055	817.85	817.895	817.755	818.845
MW-3A	850.77	819.92	818.91	821.26	819	819.85
MW-3B	851.04	821	820.59	821.04	820.35	821.18
LC1	876.15	843.73	NM	NM	NM	843.14
LC2	866.05	838.96	NM	NM	NM	838.4
LC3	877.34	845.67	NM	NM	NM	845.22

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-3A	04/04/2002	NR			NA																						
	05/22/2002	NR			NA																						
	08/20/02	NR																									
	12/05/02	NR																									
	04/22/03																										
	10/22/03																										
	05/11/04																										
	10/14/04																										
	01/27/05																										
	04/26/2005																										
	08/02/05																										
	10/26/05																										
	01/31/2006																										
	04/24/06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	07/27/06								0.35 J																		
	10/31/06																										
	01/31/07																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008																										
	10/1/2008																										
	4/7/2009																		0.56J								
	10/28/2009																										
	5/24/2010																										
	10/5/2010																		0.49J								
	1/24/2011																										
	4/13/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-3B	04/04/2002	NR			NA																		0.38			**0.31**	
	05/22/2002	NR			NA																	NA					
	8/20/2002	NR																				NA					
	12/5/2002	NR																									
	4/22/2003																										
	10/22/2003																										
	5/11/2004																									**0.2J**	
	07/22/2004																										
	10/14/2004																										
	1/27/2005																										
	4/26/2005																										
	8/2/2005																									**0.30J**	
	10/26/2005																									**0.39J**	
	01/31/2006																										
	4/24/2006																										
	7/27/2006								0.45 J																		
	10/31/2006																										
	1/31/2007																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008														1.3											**5.4**	
	10/1/2008																										
	4/7/2009																										
	10/28/2009								0.42J																		
	5/24/2010																										
	10/5/2010																										
	1/24/2011																										
	4/13/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																									
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethene	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-101	10/1/1993	NR																			0.7 J						
	04/1/1994	NR																			0.6J						
	05/01/1996	NR																			0.6J						
	10/01/1996	NR							0.89 J												0.72 J						
	05/01/1997	NR																									
	10/01/1997	NR																			0.7						
	04/98*	NR																									
	10/01/1998	NR																									
	04/01/1999	NR																									
	10/01/1999	NR																			0.7						
	05/01/2000	NR																			0.32						
	10/01/2000	NR																			0.38						
	05/01/2002	NR																			0.28						
	10/11/2001	NR																									
	02/05/2002	NR				NA					0.19										0.32	NA		0.16			
	05/21/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/03 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2003																										
	4/28/2004																										
	10/13/2004	11																									
	4/27/2005																										
	4/28/2006	18																									
	11/1/2006*		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/2007																										
	5/1/2007	2.4																									
	5/6/2008																										
	4/8/2009																										
	10/29/2009																										
	5/25/2010																										
	10/4/2010																		0.44J								
	1/26/2011																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-101	10/01/1993	NR																									
	04/01/94	NR																					0.5J				
	020/5/02	NR			NA																	NA					
	05/22/2002	NR			NA																	NA					
	10/13/2004																										
	4/27/2005																										
	10/25/2005																										
	4/28/2006																										
	11/1/2006																										
	5/1/2007																										
	5/6/2008																										
	4/8/2009																										
	11/4/2009								0.75J																		
	5/25/2010																										
	10/4/2010																		0.44J								
	1/26/2011																										
	4/11/2011																										
MW-102	10/26/1993	NR																									
	04/11/1994	NR																					3				
	05/08/1996	NR																					0.4J				
	10/30/1996	NR							0.99J												0.30 J						
	05/12/1997	NR																									
	10/26/1997	NR																									
	04/13/1998	NR													0.46												
	10/11/2001	NR																									
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																										
	10/14/2004																										
	4/27/2005																										
	10/25/2005																										
	4/25/2006																										
	11/1/2006																										
	5/2/2007																										
	4/30/2008																										
	10/2/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																									
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-102	10/26/1993	NR																									
	04/11/1994	NR																									
	10/11/2001	NR																									
	05/21/2002	NR			NA																	NA				**0.33J**	
	08/20/2002	NR																				NA				**0.62**	
	12/04/2002	NR																								**0.68**	
	04/21/2003																		0.48J&							**0.83**	
	10/22/2003																									**0.96**	
	04/27/2004																									**2.1**	
	10/14/2004								0.5 J																	**0.32**	
	1/27/2005																										
	4/27/2005																										
	8/3/2005																										
	8/3/2005 dup																										
	10/25/2005																										
	2/1/2006																										
	4/27/2006																										
	4/27/2006 dup																										
	7/27/2006								0.66 J																		
	11/1/2006																										
	2/15/2007																										
	5/2/2007																										
	8/14/2007																										
	10/16/2007	2.9J																									
	5/6/2008																										
	10/2/2008																										
	4/8/2009																										
	11/4/2009																										
	11/4/2009 Dup																										
	5/20/2010																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																									
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-103[2]	10/27/1993	NR													410											75	
	04/11/1994	NR													1100											440	
	04/01/94 Dup	NR													970											410	
	05/01/1996	NR				7J									740	9J								10J		170	
	05/01/96 Dup	NR				8J			9 J						840	10J								11J		180	
	10/01/1996	NR	3.3			8.1 J	1.9		1.1	0.76J		0.99 J		0.30 J	520 E	5	1.9			0.27				4.7		98 E	
	05/01/1997	NR	4.3			8.5	2.7			0.98		1.2	0.52	0.75	790	4.7	1.6			0.38		3.1		6.6		220J	
	10/01/1997	NR	4.2			7.9	2.4			1.4		0.89	0.38		550J	5.2	1.5										
	04/98*	NR																									
	10/01/1998	NR	2			5.7									260	3.3								5.8		45	
	04/01/1999	NR	1.4			4.7									150	2.4								3.9		47	
	10/01/1999	NR				5.2									170	2.6								2.4		48	
	05/01/2000	NR	1.8			6.5									170	3.4								4.1		60	
	10/01/2000	NR	1.6			6.9	3.1			0.84		0.33			130	4.5	0.75					1.1		6.6		78	
	05/01/2001	NR	1.2			5.7	1.5			0.92					94	3.4	0.54		2.6L					4.5		46	
	10/11/2001	NR	1.1		80	2.6	0.62			0.54					25	2.7			6.4L				0.8			15	
	2/4/2002	NR	1.8		NA	6.4	1.1			0.81		0.36			71	5.5	0.53		0.28		0.13	NA	0.72	3.1		40	
	5/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/2003		0.8			1.3									58	1.9								1.7		21	
	04/28/2004		0.61 J		26	0.53 J									16									1.9		6.7	
	10/13/2004	56	1.4			1.7			0.52						12	2.5							0.89	0.78		7.9	
	4/26/2005		1.2			2.8									1.9	3.0							0.71			1.8	
	4/25/2006	31			8.0 J	0.62 J									5.2									0.48 J		1.8	
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/2007				6.1J										10									0.82J		0.34	
	5/2/2007					1.7									14									1.7		0.75	
	10/18/2007														26									2.8		2.2	
	5/5/2008					0.63J									15.7									3.4			
	10/2/2008					0.43J									12.3									3.8			
	4/7/2009														7.7									3.1			
	10/28/2009														4.6									2.4			
	2/25/2010														2.9									2.1			
	5/24/2010														4									2.1			
	10/4/2010														3.5				0.73J					2.4			
	1/26/2011														2.9									2.7			
	4/11/2011														2.7									2.1			

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-103	10/27/1993	NR																									
	04/12/1994	NR																									
	05/9/1996	NR													0.1J								0.1J			0.1J	
	10/31/1996	NR							0.84 J																		
	05/13/1997	NR																									
	10/27/1997	NR																									
	04/13/1998	NR																									
	2/4/2002	NR			NA																	NA					
	05/21/2002	NR			NA										[0.54]							NA					
	10/13/2004								0.52 J																	1.7	
	1/26/2005																										
	1/26/2005 dup																										
	4/26/2005																									2.4	
	8/3/2005																									3.2	
	10/26/2005																									3.2	
	02/01/2006																									3.6	
	4/25/2006																									2.9	
	7/28/2006								0.49 J																	1.6	
	11/1/2006																									1.4	
	2/1/2007																									1.5	
	5/2/2007																									1.6	
	8/14/2007																									1.4	
	10/18/2007																									1.2	
	5/5/2008																									0.74	
	5/5/2008 Dup																									0.81	
	10/2/2008																									0.81J	
	10/2/2008 Dup																									0.89J	
	4/7/2009																									0.75J	
	10/28/2009								0.43J																	0.58J	
	2/25/2010								0.52J																	0.49J	
	5/24/2010																										
	10/5/2010																		0.53J							0.41J	
	1/25/2011																									0.34J	
	4/12/2011																									0.39J	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-103D	02/4/2004				NA														0.55J			NA				1.1	
	05/11/2004																									1.5	
	05/11/04 dup																									1.5	
	07/23/2004																									1.3	
	07/23/04 dup																									1.5	
	10/13/2004								0.43 J						0.86 J												
	04/26/2005														0.84 J											3.0	
	10/26/2005														0.98 J											2.7	
	10/26/2005 dup														0.95 J											2.8	
	4/25/2006																									2.6	
	11/1/2006																									1.9	
	5/2/2007																									1.4	
	10/18/2007																									1.2	
	5/5/2008																									0.69	
	5/5/2008 Dup																									0.66	
	10/2/2008																									1.1	
	10/2/2008 Dup																									1.5	
	4/7/2009																									0.77J	
	4/7/2009 Dup																									0.74J	
	10/28/2009								1.1																	0.75J	
	2/25/2010																									0.64J	
	5/24/2010																										
	10/5/2010																		0.86J							0.71J	
	1/25/2011																										
	4/11/2011																									0.69J	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-104	10/27/1993	NR	2			2				2					1 JB								31				
	4/19/1994	NR	1			1				1					10									0.8J		6.0	
	05/9/1996	NR	6			5	1		0.3 J			0.2 J			6	0.3 J		0.1J					0.2 J	0.5J		10	
	10/30/1996	NR	0.64 J			1.1	0.34 J		0.46 J						3.6	0.22J		0.80 J						0.31 J		4.3	0.77 J
	05/12/1997	NR	4.8			4.5	1.5			0.91					1.1					0.32						4.5	
	10/27/1997	NR	0.63			1.3				0.85					7.3											18	
	04/13/1998	NR	1.2												74	0.67							0.46	3.5		17	
	10/13/1998	NR	1.7							0.76					3.3											15	4.1
	04/07/1999	NR	3.2			1.4									6.6									0.71		6.1	
	10/27/1999	NR	3.5			5.4				0.92					4.5											2.8	
	05/2/2000	NR	3			5.7				1.5					0.7								0.13			1.1	
	10/30/2000	NR	2			6.2				1.6					2.6								0.12	0.33		29	
	05/1/2001	NR	2.5			5.6				2	0.47				7				0.51L			0.81	0.13	0.66		8.6	
	10/11/2001	NR	3.1			9.5				2.3				0.85	2				0.39L				0.1			2.2	
	02/5/2002	NR	2.7		NA	8				2	0.19				5.1							NA	0.17	0.73		13	
	05/21/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/2003		1.8		6.9J	3.1									4.6											6.5	
	10/23/2003	3.2	4			7.8				1.8					3.3											8.6	
	04/28/2004		2.4			6				2.2 J					6.4											8.7	
	10/13/2004		2.5			6.5				2.2 J					10											20	
	4/27/2005		1.7			5.4				2.1 J																0.64	
	10/25/2005		1.4			6.9				2.5 J					3.9											13	
	4/25/2006		1.4		4.6 J	4.9				2.2 J					1.0 J											1.1	
	11/2/2006		1.2 J			4.8				1.7 J																	
	11/2/2006 dup		1.3 J			5																					
	5/2/2007		0.8J			4				2.0J																	
	10/18/2007		0.75 J			6				2.0J																	
	5/6/2008		0.62J			3.3				1.8																	
	10/1/2008		0.52J			3.7				1.9																	
	4/7/2009		0.68J			3.5				2.3																	
	11/4/2009					3.9				1.9																	
	5/20/2010					3.5				2.4																	
	4/11/2011					3.1				1.9																	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-104	10/27/1994	NR																									
	04/19/1994	NR																									
	05/09/1996	NR																									
	10/30/1996	NR							0.20J																		
	05/12/1997	NR																									
	10/27/1997	NR																									
	04/13/1998	NR																									
	10/11/2001	NR																	0.52L								
	02/5/2002	NR	0.18		NA				0.85													NA					
	5/21/2002	NR			NA																	NA					
	08/20/2002	NR																				NA					
	10/13/2004								0.45 J																		
	10/13/04 Dup																										
	8/3/2005																										
	8/3/05 Dup																										
	7/28/2006																										
	8/14/2007																										
	5/5/2008																										
	4/7/2009																										
	5/26/2010																										
	4/12/2011																										
MW-106	10/1/1993	NR																									
	04/01/1994	NR																					11				
	02/04/02	NR			NA																	NA	0.25				
	05/21/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	120/5/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																										
	4/27/2005																										
	4/27/05 Dup																										
	7/28/06*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/15/2007																										
	8/14/2007																										
	4/30/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-106	10/01/1993	NR																						0.6J			
	04/01/1994	NR																						0.8J			
	05/01/1996	NR													0.2J									0.8J			
	10/01/1996	NR							0.62J															0.22 J			
	05/01/1997	NR																						0.65			
	10/01/1997	NR																						0.67			
	04/01/1998	NR																						0.61			
	10/01/1998	NR																						0.71			
	04/01/1999	NR																						0.58			
	10/1/1999	NR																						0.61			
	05/01/2000	NR																						0.56			
	10/01/2000	NR																						0.6			
	05/01/2001	NR																						0.56			
	10/11/2001	NR																						0.39			
	2/5/2002	NR			NA																	NA		0.6			
	02/05/02 Dup	NR			NA																	NA		0.6			
	05/22/2002	NR			NA																	NA		0.49			
	05/22/02Dup	NR			NA																	NA		0.47 J			
	08/20/2002	NR																				NA		0.43 J			
	12/4/2002	NR																						0.53			
	04/22/2003																							0.55 J			
	10/21/2003																							0.56			
	10/21/03 Dup																										
	4/27/2004																										
	10/13/2004								0.9															0.84 J			
	4/27/2005																										
	10/25/2005																										
	4/28/2006																										
	11/1/2006																										
	5/1/2007																										
	10/22/2007																										
	4/30/2008																										
	10/1/2008																										
	4/8/2009																										
	4/8/2009 Dup																										
	11/4/2009																										
	5/26/2010																										
	4/12/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-107	10/27/1993	NR																						2			
	4/12/1994	NR																						2			
	5/9/1996	NR																						2			
	10/21/1996	NR							0.80 J															2.2			
	5/13/1997	NR									0.9													2.6			
	10/27/1997	NR									0.7													2			
	4/14/1998	NR																						2.1			
	10/13/98*	NR																						NA			
	4/6/1999	NR																						1.8			
	10/27/1999	NR																						1.1			
	5/2/2000	NR																						1.6			
	10/31/2000	NR																						1.2			
	5/31/2001	NR									0.47								0.57L					1.8			
	10/11/2001	NR																						0.87			
	2/4/2002	NR			NA						0.35											NA		1.4			
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003																		0.52 J					1.2			
	10/21/2003																							2.2			
	4/27/2004																							1.9			
	10/13/2004								0.63 J															0.65 J			
	4/27/2005																							1.1			
	10/27/2005																							0.79 J			
	4/25/2006																		0.49 J					0.55 J			
	10/31/2006																										
	5/1/2007																							0.86			
	10/17/2007																							0.53 J			
	5/5/2008																										
	10/1/2008																										
	4/7/2009																										
	10/28/2009								1.6															0.51J			
	5/24/2010																										
	10/4/2010																		0.70J								
	1/26/2011																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-107	10/27/1993	NR													4											**6**	
	4/12/1994	NR													2								0.7J			**3**	
	4/12/94 Dup	NR													2								0.7J			**3**	
	5/9/1996	NR	0.1 J				0.2 J								2								0.1 J	0.1 J		**2**	
	10/23/1996	NR					0.19		0.79 J						1.9											**2.3**	
	10/23/96 Dup	NR					0.21		0.49 J						2.1											**2.7**	
	5/14/1997	NR													1.3											**2**	
	5/14/97 Dup	NR													1.1											**1.7**	
	10/27/1997	NR													2.2											**2.6**	
	10/27/97 DUP	NR													1.8											**2.3**	
	4/14/1998	NR													2.3											**2.2**	
	4/14/98 Dup	NR													2.3											**2.4**	
	10/14/1998	NR													2.1											**1.5**	
	10/14/98 DUP	NR													2.4											**1.7**	
	4/6/1999	NR													1.5											**0.58**	
	10/27/1999	NR													1.8												
	10/27/99 Dup	NR													1.8												
	5/2/2000	NR													1.5											**1.2**	
	5/02/00 Dup	NR													1.6											**1.2**	
	10/31/2000	NR													1.4												
	10/31/00 Dup	NR													1.4												
	5/9/2001	NR													0.96				0.52L			0.72		1.8		**0.85**	
	5/9/2001 Dup	NR													0.97				0.49L			0.79				**0.86**	
	10/11/2001	NR													1.6											**1.7**	
	10/11/01 Dup	NR													1.5											**1.7**	
	2/4/2002	NR			NA										1.6							NA				**1.2**	
	5/21/2002	NR			NA										1.8							NA				**1.5**	
	5/21/02 Dup	NR			NA										1.7							NA				**1.4**	
	8/20/2002	NR													0.84							NA				**0.54J**	
	12/4/2002	NR													1.3											**1**	
	4/21/2003														1.5 J											**1**	
	04/21/2003 Dup														1.3 J												
	10/21/2003														1.3											**0.93**	
	4/27/2004														0.96 J											**0.61**	
	10/13/2004														0.89 J											**0.64**	
	10/13/04 Dup														1.1 J												
	4/27/2005																										
	10/27/2005																										
	4/25/2006																									**0.79**	
	10/31/2006																									**0.33J**	
	5/1/2007																									**0.76**	
	10/19/2007														0.92 J											**1**	
	5/5/2008																									**0.48J**	
	10/1/2008																										
	4/7/2009								0.24J																	**0.88J**	
	10/28/2009								1.6																	**0.64J**	
	5/24/2010																									**1.1**	
	10/5/2010																									**0.94J**	
	1/24/2011																										
	4/12/2011																									**0.84J**	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-107D	10/27/1993	NR													2B											**6**	
	4/13/1994	NR																									
	5/9/1996	NR	0.1J						0.3J						0.2J								0.3J			**0.6J**	
	10/23/1996	NR							0.44J																	**3.9**	
	5/14/1997	NR													0.49											**2.4**	
	10/27/1997	NR													1.7											**5.1**	
	4/14/1998	NR													1											**4.1**	
	10/14/1998	NR																								**2.2**	
	4/6/1999	NR													0.34											**0.87**	
	10/27/1999	NR																								**1.7**	
	5/2/2000	NR																								**1.3**	
	10/31/2000	NR													0.64												
	01/05/2001	NR		0.33											1.5				0.44L			0.72B				**5.6**	
	10/11/2001	NR													2.2											**10**	
	2/4/2002	NR			NA										1.2							NA		0.17		**3.9**	
	02/04/02 Dup	NR													1.2											**3.9**	
	5/21/2002	NR			NA										1.1							NA				**3.3**	
	8/20/2002	NR													1.1							NA				**3.1**	
	12/4/2002	NR													0.75											**0.81**	
	4/21/2003														1.3 J											**3.3**	
	10/21/2003														0.97											**3.5**	
	4/27/2004														1.5 J											**4.2**	
	10/13/2004						1.2 J		0.93						2.0 J											**5.9**	
	4/27/2005														1.3 J											**3.1**	
	4/27/05 Dup						1.9 J								2.5											**6.2**	
	10/27/2005						1.2 J								2.0 J											**4.3**	
	4/25/2006						2.3 J								3.1				0.68 L							**7.7**	
	10/31/2006						2.0 J								2.1 J											**4.3**	
	5/1/2007						1.6J								2.5J											**6.2**	
	5/1/2007 Dup						1.6J								2.9											**6.7**	
	10/19/2007																									**3**	
	5/5/2008																									**1.3**	
	10/1/2008																									**1.6**	
	4/7/2009								0.96J																	**2.5**	
	10/28/2009																									**2**	
	2/25/2010								0.25J																	**1.8**	
	5/24/2010																									**4**	
	10/5/2010																									**1.6**	
	1/24/2011																									**2.6**	
	4/12/2011																									**2.6**	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-108	10/18/1993	NR																					11				
	4/13/1994	NR																					2				
	5/8/1996	NR													0.2 J								0.2 J				
	10/23/1996	NR							0.85 J																		
	5/12/1997	NR																									
	10/27/1997	NR																									
	4/14/1998	NR																									
	10/11/2001	NR																	0.34L								
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002	NR																									
	10/14/2004														1.2 J									1.3 J		0.67	
	4/27/2005														1.0									0.7		0.3	
	8/3/2005																							0.70 J			
	10/25/2005																										
	02/01/2006																										
	4/28/2006																										
	7/27/2006								0.36 J																		
	11/2/2006																										
	2/1/2007																										
	5/2/2007																										
	8/14/2007																										
	10/16/2007																										
	5/6/2008	2.7 J																									
	10/2/2008																										
	4/8/2009																										
	11/4/2009																										
	11/4/2009 Dup																										
	5/20/2010																										
	5/20/2010 Dup																										
	4/11/2011																										
	4/11/2011 Dup																										
P-108	10/25/1993	NR																									
	10/25/93 Dup	NR																									
	4/13/1994	NR																									
	4/13/94 Dup	NR																									
	10/11/2001	NR																	0.32L								
	2/5/2002	NR			NA																	NA					
	5/21/2002	NR			NA																	NA					
	10/14/2004								0.45 J																		
	1/28/2005																										
	10/25/2005																										
	7/27/2006								0.75 J																		
	8/14/2007										2.7 J																
	5/6/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-111	4/19/1994	NR																									
	10/11/2001	NR																	0.30L								
	05/21/2002*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002	NR																				NA					
	12/5/2002	NR																									
	10/13/2004																										
	10/26/2005																										
	4/24/2006																										
	8/8/2007																										
	5/5/2008																										
	4/7/2009																		0.44J								
	10/28/2009																										
	5/24/2010																										
	10/4/2010																		0.80J								
	1/26/2011																										
	4/11/2011																										
P-111	4/19/1994	NR																					2				
	10/11/2001	NR																									
	2/5/2002	NR			NA																	NA					
	5/22/2002	NR			NA																	NA					
	8/19/2002	NR																				NA					
	08/19/02 Dup	NR																				NA					
	12/5/2002	NR																									
	12/05/02 Dup	NR																									
	4/22/2003																										
	10/22/2003																										
	4/28/2004																										
	8/3/2005																										
	7/27/2006																										
	8/8/2007																										
	5/5/2008																										
	4/7/2009																										
	10/28/2009																										
	5/24/2010																										
	10/5/2010																										
	1/24/2011																										
	4/13/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-111D	4/4/2002	NR													0.6								0.3			13	
	5/22/2002	NR			NA										0.59 J							NA				15	
	8/19/2002	NR													0.37 J							NA				12	
	12/5/2002	NR													0.42 J											11	
	4/23/2003																									12	
	10/23/2003																									9.1	
	5/11/2004						1.4																			15	
	07/23/2004																									14	
	10/13/2004						1.9 J																1.6 J			11	
	1/27/2005																									8.8	
	4/26/2005						3.7								0.87 J											13	
	4/26/05 Dup						3.5																			13	
	8/3/2005								2.9 J						0.96 J											10	
	10/26/2005						3.1 J								1.1 J											10	
	10/26/2005 dup						2.7 J								0.93 J											10	
	02/01/2006						4.2								0.89J											11	
	4/24/2006						2.8 J								1.3 J											11	
	7/27/2006								0.30 J						1.2 J											10	
	10/31/2006						1.4 J								1.3 J											8.5	
	1/31/2007						3.0J								1.4J											8.2	
	5/1/2007						3.1J								1.3J											8.2	
	8/8/2007						2.9 J								1.5 J											8.5	
	10/17/2007						2.7 J								1.5 J											8	
	5/5/2008														1.5											4.7	
	10/2/2008						1.8								1.5											5.7	
	4/7/2009						1.4								1.7											5.5	
	10/28/2009						1.8								1.5											5	
	2/25/2010						1.8								1.5											4.4	
	2/25/2010 Dup						1.5								1.5											3.9	
	5/24/2010						1.9								1.5											5.9	
	5/24/2010 Dup						1.8								1.4											4.4	
	10/5/2010						1.5								1.3				0.55J							4.7	
	10/5/10 Dup						1.6								1.3				1.2							4.7	
	1/24/2011						1.9								1.1											5.2	
	1/24/11 Dup						1.7								1.4											4.5	
	4/13/2011						2.3								1.6											5.8	
	4/13/2011 Dup						2.8								1.3											7.1	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																									
		Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-112	11/27/1996	NR	0.6J				2 J								59	1 J								3J		15	
	11/27/96 Dup	NR	0.7J				2 J								58	1 J								4J		16	
	5/12/1997	NR	0.59			0.27									5.4											2.2	
	10/26/1997	NR	0.5			0.29									1.3												
	4/13/1998	NR	0.69				1.4								57	1.3								1.9		12	
	10/13/1998	NR	0.76												80									1.2		25	
	4/6/1999	NR	0.72				1.4								40	0.56								1.7		7.9	
	10/27/1999	NR													7.6									1			
	5/2/2000	NR	0.46												3.4									0.39			
	10/30/2000	NR				0.37									5.6									0.37			
	5/9/2001	NR	0.42			0.42									3.5											0.98	
	10/11/2001	NR	0.36			0.39	0.53								27									0.83		3.7	
	2/4/2002	NR	0.23		NA	0.48									0.49							NA					
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002														150									2.7 J		56	
	4/22/2003		1.2 J				7.4&								220	4.5 J								5.9		45	
	10/22/2003	2.5	0.88				5.9								60	1.4								1.6		51	
	4/28/2004		0.53 J			0.45 J	4								18									1.1 J		9.9	
	4/28/04 dup	6.5	0.61 J			0.48 J	4.7								22									1.1 J		9.3	
	07/23/2004	110	1.1				23								140	2.6	0.58				1			7.4		31	
	10/13/2004		1.0 J			0.42	14								110	2.4 J								2.9		25	
	10/13/04 Dup		0.87 J				15		0.56 J						94	2.1 J					0.60 J			2.9		29	
	1/26/2005		0.76 J				20								85	2.3 J										27	
	4/26/2005		0.6 J				13								64	1.2 J								1.8		17	
	8/3/2005					0.48 J									4.6											1.5	
	10/25/2005														2.5 J											1.4	
	02/01/2006		0.41 J			0.45 J	3.2 J								11									0.76 J		4.9	
	4/25/2006					0.48 J	0.97 J								5.4											2.8	
	7/27/2006					0.43 J			0.24 J						2.9											1.7	
	7/27/2006 dup								0.52 J																	1.5	
	11/2/2006														2.3 J											1.7	
	2/1/2007					0.46J	1.4J								3.8											2.5	
	5/2/2007					0.53J	1.3J								6.1											2.6	
	8/14/2007					0.51 J									4.4											1.8	
	8/14/2007 dup					0.51 J									4.9											1.6	
	10/18/2007					0.49 J									4											1.2	
	5/5/2008														33.3									1.8		1.3	
	10/2/2008														13.3									0.60J		0.79J	
	4/7/2009														5.1									0.57J		0.56J	
	11/4/2009																										
	5/20/2010														2.7											0.33J	
	4/11/2011														1.8												

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-113A	9/12/2002	NR						0.37J															1.0J				
	12/3/2002	NR																									
	4/23/2003																						2.2				
	10/22/2003																										
	5/11/2004																										
	8/2/2005																										
	7/27/2006								0.84																		
	8/8/2007																										
	5/6/2008																										
	4/6/2009																										
	10/29/2009								0.92J																		
	5/25/2010																										
	10/6/2010																										
	1/25/2011																										
	4/13/2011																										
P-113B	09/11/2002[3]	NR						1										0.41J					6.6				2.6
	12/3/2002	NR																									
	4/23/2003																										
	7/30/2003																										
	10/22/2003																										
	2/4/2004																										
	5/11/2004																										
	07/22/2004																										
	10/14/2004								0.49 J																		
	1/27/2005																										
	4/27/2005																										
	8/2/2005																										
	10/26/2005								0.42 J																		
	02/01/2006																										
	4/24/2006																										
	7/27/2006								0.49 J																		
	10/31/2006																										
	1/31/2007																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008																										
	10/1/2008								0.29J																		
	4/6/2009																										
	4/6/2009 Dup																										
	10/29/2009																										
	5/25/2010																										
	10/6/2010																		0.51J								
	1/25/2011																		1.6								
	4/13/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-114 (former Ehster well)	11/19/2001	NR													0.93											7	
	2/5/2002	NR													0.85											5.5	
	5/22/2002	NR													1.2											6.2	
	8/21/2002	NR													0.93											5.4	
	12/3/2002	NR													1.3								0.40J			6.3	
	4/23/2003																									3.3	
	10/23/2003														1.2											8.6	
	10/23/03 Dup														1.4											9.2	
	5/11/2004														1.5 J											10	
	07/22/2004														1.4 J											7.9	
	10/13/2004								0.39 J						1.7 J											10	
	1/27/2005																									3.5	
	4/26/2005																									3.0	
	8/2/2005														1.1 J											6.1	
	10/26/2005								0.84						1.3 J											6.6	
	10/26/2005 dup								0.49						1.4 J											6.9	
	01/31/2006														1.3 J											8.4	
	4/24/2006														1.3 J											7.6	
	4/24/2006 dup														1.3 J											7.9	
	7/27/2006								0.48 J						1.6 J											8.9	
	7/27/2006 dup								0.38 J						1.6 J											8.7	
	11/2/2006														2.7 J											13	
	11/02/2006 dup														2.7 J											13	
	2/1/2007														1.2J				0.46J							7.5	
	2/1/2007 dup														1.4J											8.5	
	5/1/2007														1.1J											7.4	
	5/1/2007 dup														1.2J											7.8	
	8/8/2007														1.1 J											6.7	
	8/8/2007 dup														1.2 J											7.5	
	10/22/2007														0.95 J											7.8	
	10/22/2007 Dup														1.2 J											8.1	
	5/6/2008														1.5											6.6	
	10/2/2008														1.2											6.1	
	4/6/2009														1.6				0.47J							6.5	
	10/29/2009								1.5						1.5											4.7	
	2/26/2010														1.6											5.1	
	5/26/2010														1.3											4.5	
	5/26/2010 Dup														1.3											4.3	
	10/6/2010														1.4											5.4	
	10/6/10 Dup														1.3											5.4	
	1/25/2011														1.3											4.8	
	1/25/11 Dup														1.3											5.3	
	4/13/2011														1.6											8.2	
	4/13/2011 Dup														1.7											8.5	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-115 (former Wiese well)	10/9/2001	NR																									
	10/09/01 Dup	NR																									
	11/19/2001	NR																									
	2/5/2002	NR																									
	5/22/2002	NR																									
	8/19/2002	NR							0.20J																		
	12/3/2002	NR																									
	4/2/2003																										
	7/30/2003																										
	10/22/2003																										
	2/4/2004																										
	4/27/2004																										
	10/14/2004																									0.33 J	
	1/27/2005																										
	4/26/2005																										
	8/2/2005																									0.34 J	
	10/26/2005								0.24 J																	0.33 J	
	1/31/2006																										
	4/24/2006																									0.62	
	7/27/2006																									0.44 J	
	10/31/2006																									0.39J	
	2/1/2007																									0.50J	
	5/1/2007																									0.54J	
	8/14/2007																									0.62	
	10/22/2007																									0.49 J	
	10/22/2007																									0.55J	
	5/6/2008																									1.1	
	10/2/2008																									1.9	
	4/6/2009																									1.3	
	10/29/2009								1.6																	1.3	
	2/26/2010								0.30J																	0.95J	
	5/26/2010																										
	10/6/2010																									1.2	
	1/25/2011																									0.86J	
	4/13/2011																									1.4	

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																										
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-116 (former Hadel well)	10/9/2001	NR																									
	11/19/2001	NR																									
	2/5/2002	NR																									
	5/22/2002	NR																									
	8/19/2002	NR																									
	08/19/02 Dup	NR																									
	12/3/2002	NR																									
	12/03/02 Dup	NR																									
	4/22/2003																										
	7/30/2003																										
	10/22/2003																										
	2/4/2004																										
	5/11/2004																										
	7/22/2004																										
	10/14/2004																										
	1/27/2005																										
	4/26/2005																										
	8/2/2005																										
	10/26/2005																										
	1/31/2006																										
	01/31/06 Dup																										
	4/24/2006																										
	7/27/2006								0.35 J																		
	10/31/2006																										
	2/1/2007																										
	5/1/2007																										
	8/8/2007																										
	10/22/2007																										
	5/6/2008																										
	10/2/2008																										
	4/6/2009																										
	10/29/2009																										
	2/26/2010																		1.1								
	5/25/2010																										
	10/6/2010																		0.44J								
	1/25/2011																										
	4/13/2011																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FF/NN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000

Results in µg/L

B = analyte found in method blank as well as sample
E = exceeds calibration range
J = estimated value between LOD and LOQ
L = Lab Artifact
& = Laboratory control spike recovery not within control limits
NE = None Established
NA = Not Analyzed; no sample collected for analysis
NR = Value not reported by lab or not recorded during initial evaluation by GeoTrans

PAL = Preventive Action Limit
ES = Enforcement Standard
Underline indicates exceeds NR 140 PAL
Bolding indicates exceeds NR 140 ES
Blank = Sample Collected but No VOCs detected
Historical data for abandoned wells MW-105, P-105, P-109 and MW-110 can be found in reports prior to October 204

* Not sampled due to insufficient water for sample collection

[1] The reporting of acetone on an 8260B VOC scan varies with labs. Enchem, which began analyzing samples in April 2003, does report acetone. Acetone has appeared in several wells beginning in October 2003.

[2] MW-103 had low concentrations of isopropyl ether detected in October 1997 and February 2002. Acetone at 27 ppb was detected in April 2004. Carbon disulfide at 2.2J ppb was detected in January 2007

[3] this sample had detections of bromodichloromethane at 0.59 ppb and dibromochloromethane at 0.35 ppb,

[4] this sample in P-116 had 0.18 ppb of 1,1,1-trichloroethane

Table 3. Groundwater Natural Attenuation Parameters
FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
MW-101	2/1/2007									558	6.59	7.4
	5/1/2007									1021	6.92	13.1
	5/6/2008									782	7.18	12.4
	4/8/2009									940	6.75	12.5
	10/29/2009	<0.20	0.39	>2.5	>100	<0.2	0.015	-98	3.17	914	6.85	11.8
	5/25/2010	<0.20	0.08	>2.5	>100	<0.2	0.0192	-73	1.65	961	6.55	25.3
	10/4/2010	0.08			>100		0.0136	-63	2.13	1265	6.95	15.8
	1/26/2011			>2.5				-14	2.51	938	7.39	6.2
	4/11/2011									1020	7.48	14.1
MW-103	2/1/2007									2670	6.95	5.7
	5/2/2007									1180	6.64	10.8
	10/18/2007									1609	6.74	13.0
	5/5/2008									1420	7.06	12.2
	10/2/2008									1411	6.69	11.3
	4/7/2009									1433	7.17	10.3
	10/28/2009	<0.20	>0.80	0.42	>100	<0.2	0.00042	24	4.21	1780	6.79	10.7
	2/25/2010	>1.5	<0.08	<0.1	>100	<0.2	<0.0028	55	4.1	2	6.96	8.6
	5/24/2010	>1.5	<0.08	0.11	>100	<0.2	<0.0028	86	2.84	2110	6.49	17.7
	10/4/2010	>1.5			>100		0.0235	46	3.33	1920	7.22	12.9
	1/26/2011			0.09				62	4.52	1700	7.22	5.5
	4/11/2011			0.07				136	5.02	1217	6.79	13.8
MW-107	4/21/2003						0.13	185.70	21.27	1021	7.00	9.84
	4/22/2003				30			74.10	5.70	1024	7.06	10.32
	10/21/2003	3.3			32			79.30	5.80	1211	6.92	9.64
	5/1/2007									570	6.93	10.5
	10/17/2007									1297	7.09	13.1
	5/5/2008									796	7.54	11.5
	10/1/2008									1240	6.86	10.1
	4/7/2009									1226	7.50	10.2
	10/28/2009	>1.5	0.18	0.61	>100	<0.2	<0.000180	-1	5.78	956	7.13	11.6
	5/24/2010	>1.5	0.32	1.86	>100	0.71	<0.0028	61	3.08	1087	6.89	20.7
	10/4/2010	>1.5		0.7	49.95		ND	76	6.38	1650	7.62	10.6
	1/26/2011			0.85				45	4.74	249	7.35	6.0
	4/11/2011									1100	8.12	11.2
MW-111	12/5/2002									866	7.15	7.84
	8/8/2007									920	7.45	11.4
	5/5/2008									732	7.45	11.9
	4/7/2009									867	7.22	10.8
	10/28/2009	>1.5	<0.08	0.26	>100	<0.2	0.00031	3	6.66	836	6.66	11.4
	5/24/2010	1.09	0.22	1.39	>100	0.44	<0.0028	71	2.73	958	6.80	22.7
	10/4/2010	0.99		0.02	>100		ND	85	4.87	995	7.72	9.6
	1/26/2011			0.25				26	4.56	849	7.28	7.6
	4/11/2011									900	7.94	11.2
P-101	12/4/2002				50			-53.5	0.08	843	7.12	9.26
	4/22/2003				51			-36.9	0.81	646	7.46	10.12
	10/23/2003	<0.058			49			-65.5	0.66	754	7.04	10.20
	5/1/2007									828	7.57	11.7
	5/6/2008									735	7.69	11.3
	4/8/2009									749	7.24	11.4
	10/29/2009	0.39	0.12	1.84	71.36	<0.2	0.00059	-108	2.2	880	7.32	11.2
	5/25/2010	<0.20	<0.08	1.38	70.81	<0.2	<0.0028	-48	1.04	925	6.62	25.5
	10/4/2010	0.08			69.72		ND	-92	1.9	948	7.51	15.0
	1/26/2011			1.24				-31	2.65	829	7.26	5.8
	4/11/2011									840	7.96	12.8

Table 3. Groundwater Natural Attenuation Parameters
FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-103	12/4/2002				54		0.037	-60.50	1.17	956	7.00	9.49
	4/21/2003				58			-29.90	0.71	388	7.28	10.50
	10/22/2003	0.41			54			-147.10	0.82	874	7.17	10.06
	2/1/2007							172	0.53	903	6.86	9.0
	5/2/2007							206	0.92	896	6.78	9.9
	8/14/2007							226	0.70	863	7.09	11.4
	10/18/2007							300	0.51	863	6.35	11.0
	5/5/2008							30	0.93	956	6.98	10.5
	10/2/2008							323	1.37	888	6.70	10.8
	4/7/2009							-95	1.09	813	7.40	9.8
	10/28/2009	0.45	<0.08	<0.1	78.95	<0.2	0.052	-125	0.85	739	7.19	10.2
	2/25/2010	>1.5	NM	NM	83.29	<0.2	0.0416	-120	1.62	845	7.25	9.0
	5/24/2010	<0.20	<0.08	>2.5	89.8	<0.2	0.0489	-104	0.38	815	7.00	11.2
	10/5/2010	0.08			85.02		0.0562	-128	1.15	874	7.86	10.9
	1/25/2011			2.5				-69	0.64	776	7.60	9.3
	4/12/2011			>2.5				-125	1.22	906	7.19	10.0
P-107	12/4/2002	NM	NM	NM	66		0.11	-28.00	0.86	791	7.22	9.40
	4/21/2003				74			37.30	0.76	646	7.43	9.62
	10/21/2003	<0.058						-70.40	0.92	716	7.18	9.73
	5/1/2007							240	1.64	840	6.66	9.6
	10/19/2007							330	1.80	863	6.42	10.7
	5/5/2008							8	1.50	925	7.50	11.0
	10/1/2008							350	2.63	923	6.66	10.2
	4/7/2009							-95	1.75	852	7.34	9.0
	10/28/2009	<0.20	<0.08	1.68	89.8	<0.2	0.31	-78	1.19	778	7.08	10.9
	5/24/2010	<0.20	<0.08	1.76	99.39	<0.2	0.383	-70	1.12	869	6.92	13.2
	10/5/2010	0.06			88.68		0.345	-117	1.84	930	7.86	10.8
	1/24/2011			1.33				-28	1.82	838	6.73	7.8
	4/12/2011							-68	1.39	966	7.16	10.1
P-111	12/5/2002				44			-88.30	-0.03	639	7.43	9.76
	4/22/2003				39			-74.20	0.67	486	7.71	12.06
	10/22/2003	<0.058			31			-94.00	0.75	566	7.53	9.87
	8/14/2007							118	0.35	580	7.46	11.1
	5/5/2008							65	0.35	614	7.72	10.5
	4/7/2009							-89	0.26	624	7.62	9.1
	10/28/2009	<0.20	<0.08	0.53	64.03	<0.2	0.0085	-140	0.48	616	7.57	10.1
	5/24/2010	<0.20	<0.08	0.61	70.99	<0.2	0.0051	-101	0.24	673	7.25	10.5
	10/5/2010	0.06			69.06		0.0065	-131	0.28	715	8.26	10.3
	1/24/2011			0.45				-98	0.58	632	7.35	9.1
	4/13/2011							-53	1.46	683	6.99	9.7
MW-3B	12/5/2002				36			-87	-0.11	1248	6.57	9.84
	12/5/2002				36							
	4/22/2003				46			-92	0.37	815	7.18	9.86
	10/22/2003	<0.058			43			-161	0.55	662	7.45	9.79
	1/31/2007							140	0.51	710	7.27	8.2
	5/1/2007							125	1.32	703	6.99	9.5
	8/8/2007							-233	0.43	605	7.49	10.3
	10/19/2007							170	0.29	598	6.63	9.8
	5/6/2008							21	0.40	672	7.89	9.7
	10/1/2008							334	1.35	646	6.90	9.7
	4/7/2009							-116	0.20	604	7.48	8.8
	10/28/2009	<0.20	<0.08	0.72	37.68	<0.2	0.098	-230	0.35	567	7.65	9.4
	5/24/2010	<0.20	<0.08	0.78	50.67	<0.2	0.0275	-176	0.17	650	7.27	10.2
	10/5/2010	0.05		0.61	43.23		0.0159	-161	8.80	697	8.24	9.9
	1/24/2011			0.66				-109	0.44	614	6.90	8.4
	4/13/2011			0.84				-207	0.52	694	7.65	9.5

Table 3. Groundwater Natural Attenuation Parameters
FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-103D	5/2/2007							260	0.57	879	6.89	9.9
	10/18/2007							321	0.54	854	6.43	11.2
	5/5/2008							20	0.63	935	7.02	10.8
	10/2/2008							327	3.40	877	6.85	10.7
	4/7/2010							-110	0.45	808	7.61	10.0
	10/28/2009	<0.20	0.17	>2.5	76.38	<0.2	0.098	-146	0.52	746	7.30	10.2
	2/25/2010		<0.08	>2.5	78.05	<0.2	0.0747	-146	0.76	842	7.39	9.2
	5/24/2010	<0.20	<0.08	>2.5	88.88	<0.2	0.0303	-111	0.37	853	7.08	11.1
	10/5/2010	0.11			93.48		0.0659	-147	1.10	898	7.97	10.9
	1/25/2011			>2.5				-71	0.73	781	7.56	9.4
	4/12/2011			>2.5				-132	1.09	906	7.26	10.2
P-111D	12/5/2002				62			-75.60	-0.02	910	7.32	9.75
	4/23/2003				64			-20.50	0.94	706	7.63	9.98
	10/23/2003	<0.058			65			-68.30	0.70	838	7.17	9.78
	1/31/2007							74	0.72	885	7.30	8.9
	5/1/2007							78	3.37	900	7.05	10.0
	8/8/2007							55	0.55	900	7.25	10.9
	10/19/2007							296	0.53	897	6.90	10.7
	5/6/2008							15	0.56	980	7.56	10.6
	10/1/2008							330	2.31	907	7.07	10.0
	4/7/2009							-97	1.98	821	7.52	9.3
	10/28/2009	<0.20	<0.08	1.79	60.63	<0.2	0.33	-171	0.46	764	7.51	10.0
	2/25/2010	0.43	<0.08	1.62	65.7	<0.2	0.123	-125	0.86	871	7.45	6.0
	5/24/2010	<0.20	<0.08	1.83	70.59	0.25	0.31/0.239 Dup	-136	0.24	840	7.21	10.7
	10/5/2010	0.08		1.75	61.2		0.269/0.222 Dup	-148	0.75	886	8.13	10.3
	1/24/2011			1.72				-101	0.77	801	6.83	8.9
	4/13/2011			1.89				-126	0.42	873	7.19	9.9
P-113B	12/3/2002				47			27.20	0.39	960	6.80	10.18
	4/23/2003				56			-54.30	1.05	715	7.22	10.13
	10/22/2003	<0.058			49			-125.40	0.46	616	7.42	10.13
	1/31/2007							109	0.40	620	7.33	8.8
	5/1/2007							113	1.03	625	7.03	10.2
	8/14/2007							110	0.28	618	7.28	11.1
	10/22/2007							252	0.53	629	6.70	10.3
	5/6/2008							-16	0.33	716	7.31	10.3
	10/2/2008							328	2.47	674	7.12	10.6
	4/6/2009							-122	0.40	627	7.54	9.2
	10/29/2009	<0.20	<0.08	0.83	70.14	<0.2	0.057	-187	0.42	579	7.33	10.3
	5/25/2010	<0.20	<0.08	1.19	80.11	<0.2	<0.0028	-145	0.17	646	7.26	10.9
	10/6/2010	0.1		0.98	75.55		ND	-183	0.35	685	8.09	11.0
	1/25/2011			0.9				-86	0.94	619	7.50	9.8
	4/13/2011			1.11				-164	1.11	675	7.44	10.2
P-114 (Ehster)	12/3/2002				44					695	7.71	11.10
	4/23/2003				63			-117.00	0.85	669	7.71	10.00
	10/23/2003	<0.058			49			-125.10	0.54	1379	7.31	9.87
	2/1/2007							151	0.21	674	7.27	9.9
	5/1/2007							149	0.96	686	7.08	10.2
	8/8/2007							202	0.34	667	7.45	11.0
	10/22/2007							313	0.90	670	6.71	10.2
	5/6/2008							14	0.74	775	7.23	10.2
	10/2/2008							307	2.34	737	7.01	10.4
	4/6/2009							-76	0.45	687	7.58	9.5
	10/29/2009	0.22	<0.08	0.56	50.61	<0.2	0.28	-120	0.44	636	7.41	10.0
	2/26/2010	0.61	0.11	0.54	49.43	<0.2	0.285	-148	0.35	707	7.62	9.2
	5/26/2010	<0.20	0.15	0.6	57.47	<0.2	0.138/0.194 Dup	-129	0.66	703	7.27	10.4
	10/6/2010	0.11		0.72	57.18		0.186/0.224 Dup	-182	0.86	766	8.28	10.6
	1/25/2011			0.6				-58	0.42	679	7.60	9.3
	4/13/2011			0.65				-147	0.42	744	7.49	9.9

Table 3. Groundwater Natural Attenuation Parameters
FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-115 (former Wiese well)	2/1/2007							128	0.29	590	7.35	9.6
	5/1/2007							112	0.85	589	7.12	10.5
	8/14/2007							216	0.43	582	7.44	10.7
	10/22/2007							313	0.54	579	6.74	10.6
	5/6/2008							-16	0.48	690	7.27	10.7
	10/2/2008							315	2.44	654	6.89	10.7
	4/6/2009							-72	0.30	605	7.58	9.9
	10/29/2009	<0.20	<0.08	0.92	40.7	<0.2	0.044	-166	0.47	551	7.52	10.2
	2/26/2010	0.36	<0.08	1.48	43.65	<0.2	0.0579	-155	0.35	620	7.64	9.8
	5/26/2010	<0.20	<0.08	1.01	46.07	<0.2	0.049	-135	0.40	608	7.30	10.5
	10/6/2010	0.1		0.95	41.23		0.0562	-175	1.42	646	8.15	10.7
	1/25/2011			0.95				-78	0.42	572	7.68	9.8
	4/13/2011			1.05				-178	0.44	626	7.51	10.5
P-116 (former Hadel well)	2/1/2007							171	0.38	528	7.34	8.8
	5/1/2007							142	0.59	528	7.09	10.5
	8/8/2007							202	0.42	523	7.53	12.1
	10/22/2007							301	0.59	522	6.75	10.8
	5/6/2008							38	0.71	603	7.18	12.3
	10/2/2008							295	2.70	559	7.04	11.2
	4/6/2009							-49	0.89	518	7.57	9.5
	10/29/2009	0.33	0.21	0.51	41.29	0.32	0.0031	-95	0.44	476	7.53	10.3
	2/26/2010	0.48	0.23	0.51	41.82	0.4	0.0042	-97	0.44	535	7.64	9.1
	5/25/2010	0.33	0.24	0.73	49.87	0.49	0.004	-75	0.33	530	7.30	12.2
	10/6/2010	0.45		0.92	58.53		0.0051	-106	0.55	567	8.20	12.1
	1/25/2011			0.45				37	0.56	506	7.76	9.0
	4/13/2011			0.51				-109	0.58	556	7.49	10.7
MW-3A	12/5/2002				20			-312	0.03	589	7.30	9.79
	4/22/2003				26			3	0.66	464	7.52	10.22
	10/22/2003	<0.058			14			-98	0.87	552	7.29	10.06
	1/31/2007							163	0.79	556	7.13	6.1
	5/1/2007							34	1.96	558	6.95	10.2
	8/8/2007							-144	0.74	549	7.32	12.4
	10/19/2007							201	1.07	551	6.51	10.5
	5/6/2008							13	0.33	630	7.55	9.8
	10/1/2008							297	7.35	591	6.89	9.8
	10/28/2009	<0.20	<0.08	0.51	14.67	<0.2	0.0073	-236	0.55	505	7.45	9.5
	5/24/2010	<0.20	0.04	0.49	22.35	0.21	0.0074	-227	0.55	561	7.13	12.5
	10/5/2010	0.05			15.33		0.0397	-204	1.51	600	8.20	11.3
	1/24/2011			0.19				-77	0.74	535	7.30	7.2
	4/13/2011			0.44				-240	1.14	589	7.42	10.8
P-107D	12/4/2002				19					594	7.64	7.90
	4/21/2003				27					388	7.28	10.50
	10/21/2003	<0.058			19			51.40	1.25	528	7.34	10.05
	5/1/2007							113	3.20	583	6.96	12.4
	10/19/2007							261	1.10	581	6.56	10.0
	5/5/2008							61	1.07	653	7.55	10.6
	10/1/2008							354	4.48	607	6.89	10.4
	4/7/2009							-101	2.01	569	7.53	9.1
	10/28/2009	<0.20	<0.08	<0.1	23.84	<0.2	0.073	-188	0.45	528	7.48	10.1
	2/25/2010	0.51	<0.08	<0.1	23.57	<0.2	0.0613	-191	0.74	605	7.50	8.5
	5/24/2010	<0.20	<0.08	0.19	31.82	<0.2	0.163	-147	3.12	618	7.15	11.2
	10/5/2010	0.06		0.03	21.24		0.0737	-132	0.93	619	8.09	10.6
	1/24/2011			0.3				-59	0.79	564	6.62	9.0
	4/12/2011			0.11				-222	0.64	649	7.33	9.9

Table 3. Groundwater Natural Attenuation Parameters
FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-113A	12/3/2002				12			111.80	20.00	579	7.26	10.39
	4/23/2003				15			42.00	2.98	465	7.50	10.37
	10/22/2003	0.3			10			-62.60	2.23	576	7.30	10.17
	8/8/2007							-140	0.57	544	7.37	13.3
	5/6/2008							-88	0.55	620	7.22	10.4
	4/6/2009							-137	0.74	542	7.42	8.4
	10/29/2009	0.35	0.16	>2.5	31.67	0.37	0.27	-240	0.87	498	7.41	10.7
	5/25/2010	0.26	0.21	>2.5	44.79	0.39	0.169	-183	0.96	554	7.16	15.6
	10/6/2010	0.43			44.48		0.239	-196	0.89	591	7.98	12.8
	1/25/2011			1.09				-78	1.98	533	7.58	5.9
	4/13/2011			0.68				-202	1.13	578	7.46	12.8
Perry/Watkins	10/29/2009	<0.20	<0.08	>2.5	15.18	<0.2	0.0098	-167	3.00	489	7.55	10.8
	2/26/2010	<0.20			16.34	0.42	0.0067	-159	1.57	549	7.70	8.6
	5/26/2010	<0.20	<0.08	1.7	24.6	<0.2	0.0082	-135	0.91	552	7.35	16.7
	10/6/2010	0.1			20.12		0.0081	-183	1.38	582	8.18	14.4
	1/28/2011								2.42		6.93	10.1
	4/18/2011									410	7.17	10.1
Gaastra	10/29/2009	<0.20	<0.08	0.98	16.04	<0.2	0.01	-163	0.27	490	7.56	10.3
	2/26/2010	<0.20			19.35	<0.2	0.0086	-146	1.22	584	7.45	10.7
	5/26/2010	<0.20	<0.08	2.44	27.28	0.22	0.0121	-156	0.52	553	7.28	17.3
	10/6/2010	0.11			22.65		0.0103	-201	1.14	597	8.22	15.0
	1/26/2011			2.34				33	1.24	552	7.37	7.9
	4/14/2011									620	6.88	13.8
Rohde	11/4/2009	<0.20	<0.08	0.36	19.88	<0.2	0.0011	-76	0.99	500	7.25	10.0
	2/25/2010	<0.20			21.03	<0.2	<0.0028	0	2.61	606	7.61	9.4
	5/26/2010	<0.20	<0.08	0.25	25.64	<0.2	<0.0028	7	1.19	635	6.42	18.53
	10/6/2010	0.08			26.48		ND	-117	1.91	612	8.08	13.7
	1/26/2011			0				116	3.83	571	7.56	7.36
	4/13/2011									550	6.85	7.5

Table 4. - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Regularly Monitored Wells												
Baneck Perry/Watkins Perry	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	280	3.2	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	5/22/2002 Dup	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	8/19/2002	ND	ND	ND	ND	ND	ND	ND	300	[3.0]	ND	290
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	0.071 QB	ND	ND	NA	NA	NA	NA
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	01/31/06	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/27/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.75 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [2]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/29/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/18/2011 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Table 4. - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Gaastra	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	270
	8/19/2002	ND	ND	0.24Q	ND	ND	ND	ND	300	ND	ND	280
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003 dup	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/04	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	0.071 QB	ND	ND	ND	ND	ND	ND
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	01/31/06	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/27/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.99 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [2]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/29/2009 [2,3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/26/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/14/2011 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Table 4. - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Rohde	10/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/4/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	300
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	290
	8/20/2002	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	290
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/28/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/4/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/25/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/26/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/14/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Table 4. - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE

Underline values indicate PAL exceedance
Bold values indicate ES exceedance
Q = detected at less than quantitation limit
B= detected in trip blank
ND= not detected above the level of detection
NA = not analyzed
NR = not required to analyze

PAL = Preventive Action Limit
ES = Enforcement Standard
NE = None Established

[1] Methylene Chloride was detected and is assumed to be a laboratory artifact
[2] Acetone was detected and is assumed to be a laboratory artifact
[3] Chloromethane was detected and is assumed to be lab introduced
Monitoring began in 1993. See prior report submittals to WDNR for results prior to 2001.
See Table 2 for monitoring wells for Ehster, Hadel and Wiese data

Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin

			Parameter																						
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-1	1993	5/12	ND	ND	ND	ND	ND	ND	NA	25	25	ND	ND	410	92	NA	NA	ND	NA	170	NA	18J	76	320	NA
		5/12 Dup	ND	ND	ND	ND	ND	ND	NA	36	36	43	ND	550	110	NA	NA	ND	NA	290	NA	ND	71	410	NA
		6/24	1J	ND	ND	ND	5	ND	NA	1	1	0.8J	ND	13	12	NA	NA	ND	NA	20	NA	ND	6	85	NA
		6/24 Dup	ND	ND	ND	ND	6D	ND	NA	2	2	1DJ	ND	13D	11D	NA	NA	ND	NA	23D	NA	ND	7D	82D	NA
	1996	5/10	2.2	ND	ND	ND	ND	4J	ND	ND	ND	ND	ND	0.46J	4J	NA	ND	ND	NA	ND	ND	ND	ND	86	NA
		10/31	ND	ND	ND	0.58J	1.5	ND	ND	ND	ND	ND	ND	ND	8.3	NA	ND	ND	NA	4.7	ND	ND	ND	280	NA
	1997	5/13	1.7	ND	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/28	3.6	5.9	ND	0.23	9.4	ND	ND	ND	ND	0.87	ND	ND	3.6	6.8	ND	ND	97	1.2	ND	ND	ND	29	1.1
	1998	4/14	3.8	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	110	ND	ND	ND	ND	50	ND
		10/14	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	19	18	ND	ND	NA	ND	ND	ND	ND	100	ND
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/30*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2010	5/26*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin

			Parameter																							
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-2	1993	5/12	5	ND	ND	18	ND	ND	ND	ND	ND	380D	ND	ND	49	NA	NA	ND	NA	71	NA	ND	ND	160D	NA
		6/24	10	ND	ND	20	ND	ND	ND	ND	ND	170D	ND	ND	54	NA	NA	ND	NA	27	NA	ND	ND	180	NA
	1996	5/10	4.0	ND	ND	10	5	ND	ND	NA	NA	ND	0.2J	ND	ND	NA	NA	ND	NA	0.6J	NA	ND	ND	20	NA
		10/31	6.6	ND	ND	24	8.1	ND	ND	ND	ND	11	0.22J	3.1	42	NA	NA	2.7	NA	6.8	NA	0.56J	ND	140	NA
	1997	5/13	5.8	ND	ND	17	ND	ND	ND	ND	ND	8.3	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	34	ND
		10/28	7.0	2.3	ND	25	6.4	ND	ND	0.59	0.23	8.2	ND	ND	18	8.9	ND	ND	240J	1.4	0.18	ND	ND	40	1.6
	1998	4/14	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND
		10/14	4.0	NA	NA	91	ND	ND	ND	ND	ND	18	ND	ND	45	7.1	ND	ND	NA	ND	ND	ND	ND	39	1.3
	1999	4/7	6.2	NA	NA	44	ND	ND	ND	ND	ND	28	ND	ND	150	7.1	2.8	ND	NA	ND	ND	ND	ND	380	ND
		10/28	8.0	ND	NA	45	ND	ND	ND	ND	ND	30	ND	ND	280	12	ND	ND	240	ND	ND	ND	ND	750	ND
	2000	5/02	8.1	ND	ND	45	ND	ND	ND	ND	ND	30	ND	ND	190	3.6	ND	ND	190	ND	ND	ND	ND	670	ND
		10/30	10	ND	NA	47	ND	ND	ND	ND	ND	33	ND	ND	130	ND	ND	ND	200	0.68	ND	ND	ND	430	2.0
	2001	5/09	ND	ND	NA	ND	ND	ND	1.0	ND	ND	19	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND
		10/9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5	13	NA	NA	67	ND	ND	ND	ND	ND	39	ND	ND	180	13	7	ND	NA	ND	ND	ND	ND	720	ND
		5/22	14	NA	NA	51	ND	ND	ND	ND	ND	33	ND		96	ND	ND	ND	ND	ND	ND	ND	ND	570	NA
	2003	4/22	12	ND	ND	43	ND	ND	ND	ND	ND	30	ND	ND	210	10	NA	ND	170	ND	NA	ND	ND	980	ND
	2004	4/28	9	ND	ND	30	1.8 Q	ND	ND	ND	ND	23	ND	ND	88	4.4	NA	ND	130	1.5 Q	NA	ND	ND	470 D	0.87 Q
	2005	8/3	11	ND	ND	43	ND	ND	ND	ND	ND	25	ND	ND	92	3.7	NA	ND	180	ND	NA	ND	ND	770	ND
	2006	4/28	13	ND	ND	45	ND	ND	ND	ND	ND	33	ND	ND	85	17	NA	ND	220	ND	NA	ND	ND	1100	ND
	2007	5/02	12	ND	ND	50	ND	ND	ND	ND	ND	22	ND	ND	52	6.3	NA	ND	170	ND	NA	ND	ND	780	ND
	2008	5/6	7.6	ND	ND	58.2	ND	ND	ND	ND	ND	13.1	ND	ND	43.3	11.3	NA	ND	128	2.1	NA	ND	ND	337	ND
	2009	4/9	10.9	ND	ND	45.9	ND	ND	ND	ND	ND	16.3	ND	ND	91.3	6.9J	NA	ND	138	ND	NA	ND	ND	618	ND
	2010	5/26	13.7	ND	ND	45.2	ND	ND	ND	ND	ND	18.6	ND	ND	ND	12.7J	ND	ND	187	ND	ND	ND	ND	953	ND
	2011	4/14	17	ND	ND	42	ND	ND	ND	ND	ND	18.5	ND	ND	60.5	7.5J	ND	ND	151	ND	ND	ND	ND	876	ND

Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin

			Parameter																						
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-3	1993	5/12*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6/24*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1996	5/10*	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/31*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	5/13*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5800	ND	ND	ND	ND	ND	65	ND	ND	330	ND	ND
		10/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	5/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	13	ND	NA	ND	290	35	NA	ND	13	65	ND
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	296	2.2	ND	NA	ND	22	13.6	NA	22	11.3	17.3	<6.1
	2010	5/26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1180	ND	ND	ND	ND	20.6J	29.8	ND	23.8	14.5	47.5	ND
	2011	4/14	ND	63.7J	6.2	ND	ND	ND	ND	4.3J	ND	ND	ND	373	16.5	ND	ND	ND	38.9	81.2	ND	19.6	25.8	79.4	ND

Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin

			Parameter																						
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether

Notes:
* = Insufficient water for sample collection
D = Analyte was identified in an analysis at a secondary dilution factor
J = Estimated Values; Below the Quantitation Limit
NA = Not analyzed
ND = Not detected
Many samples results indicated the presence of methylene chloride and/or acetone.
Validation of the data indicated that these compounds were not actually present in the water from the leachate wells.
These, and other compounds not detected in the samples are not included on the summary table.

All concentrations are in parts per billion (ppb)

Contaminants are not compared to NR140 Prevention Action Limits and Enforcement Standards because those standards do not apply to leachate.

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-1	11:31	3/20/2006	61.5	37.7	0.7	0.1	pre-startup
	10:02	3/22/2006	43.6	26.3	6.4	23.7	
	15:32	3/22/2006	56.0	33.3	3.8	6.9	
	8:29	3/23/2006	50.1	29.5	4.3	16.1	
	16:35	3/23/2006	44.2	24.6	4.9	26.3	
	15:40	3/24/2006	18.8	11.8	15.9	53.5	
	14:25	3/28/2006	7.0	8.7	10.8	73.5	
	18:58	3/30/2006	15.8	21.0	6.9	56.3	
	13:50	4/5/2006	11.2	17.1	9.8	61.9	
	12:50	4/6/2006	6.2	9.0	13.9	70.9	
	13:10	4/11/2006	9.6	16.7	8.6	65.1	
	10:45	4/14/2006	11.2	17.9	7.2	63.7	
	15:26	4/14/2006	12.2	24.1	4.0	59.7	
	9:58	4/17/2006	16.7	30.2	5.3	47.8	
	19:12	4/27/2006	7.8	17.5	2.9	71.8	
	13:12	5/4/2006	6.1	18.7	2.0	73.2	
	10:17	5/22/2006	5.8	21.6	1.3	71.3	
	12:20	6/2/2006	18.0	22.7	0.6	58.7	
	8:20	6/9/2006	1.1	0.2	20.4	78.3	
	12:34	6/14/2006	3.9	0.6	20.2	75.3	
	10:41	6/22/2006	3.3	7.6	13.8	75.3	
	12:06	7/5/2006	3.7	12.5	10.1	73.7	
	11:31	7/10/2006	3.5	10.9	11.8	73.8	
	10:49	7/17/2006	3.9	10.7	11.8	73.6	
	14:00	7/28/2006	5.0	12.0	10.2	72.8	
	9:46	8/8/2006	2.7	9.5	12.9	74.9	
	7:20	8/16/2006	2.4	6.6	14.5	76.5	
	7:12	8/21/2006	0.1	0.2	15.1	84.6	
	14:07	8/28/2006	2.1	12.5	12.4	73.0	
	11:21	9/13/2006	0.6	0.6	13.3	85.5	
	11:19	9/25/2006	0.0	0.0	16.2	83.8	
	8:18	10/10/2006	2.7	8.4	14.8	74.1	
	8:19	10/23/2006	2.0	1.5	12.8	83.7	
	14:00	11/2/2006	3.8	21.6	1.7	72.9	
	14:54	11/14/2006	7.5	23.0	0.7	68.8	
	11:26	11/27/2006	5.5	23.0	0.4	71.1	
	12:57	12/26/2006	5.0	23.6	0.3	71.1	
	13:57	1/27/2007	9.5	22.8	0.3	67.4	
	11:20	2/24/2007	6.5	23.0	0.8	69.7	
	11:20	3/1/2007	17.5	23.2	1.8	57.5	
	12:28	3/1/2007	16.5	23.2	1.8	58.5	
	14:30	3/1/2007	15.5	22.8	1.6	60.1	
	8:10	3/5/2007	sampling port clogged with ice				adjust blower time, 12 on, 12 off
	8:10	3/24/2007	15.5	23.0	1.8	59.7	
	16:55	3/24/2007	14.0	22.2	2.2	61.6	
	17:10	3/26/2007	11.0	21.6	2.2	65.2	
	7:28	3/27/2007	10.0	22.4	1.7	65.9	
	16:27	3/28/2007	11.0	22.8	1.5	64.7	
	8:04	3/29/2007	11.5	23.0	1.5	64.0	
	17:00	3/29/2007	11.0	22.8	1.5	64.7	

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-1	8:04	3/30/2007	13.0	24.0	1.0	62.0	blower off
	11:34	5/30/2007	43.0	28.0	2.0	27.0	restart and run 24 hrs
	13:35	5/30/2007	40.0	26.2	2.6	31.2	
	10:30	5/31/2007	0.1	0.0	20.7	79.2	reduce to 12 on 12 off
	16:32	6/1/2007	0.1	0.0	20.7	79.2	
	15:30	6/2/2007	20.0	22.8	1.7	55.5	
	16:09	6/3/2007	18.0	22.2	1.9	57.9	
	14:12	6/4/2007	16.5	21.8	2.2	59.5	reduce to 6 on 18 off
	15:10	6/7/2007	17.0	21.6	2.3	59.1	
	17:16	6/12/2007	10.5	21.0	2.1	66.4	
	14:49	6/14/2007	11.0	20.8	2.2	66.0	
	14:40	6/19/2007	10.5	21.0	2.2	66.3	
	14:40	6/21/2007	11.0	21.2	2.0	65.8	
	14:30	7/11/2007	11.5	21.4	2.0	65.1	
	14:00	7/23/2007	12.0	21.8	2.0	64.2	
	14:07	8/8/2007	12.0	21.6	2.2	64.2	
	13:30	8/13/2007	13.5	22.8	2.2	61.5	
	14:10	8/20/2007	10.0	21.4	2.8	65.8	
	14:25	8/28/2007	8.5	20.8	2.7	68.0	
	15:55	8/31/2007	5.5	18.2	4.2	72.1	
	14:55	9/4/2007	4.5	17.2	4.1	74.3	
	13:25	9/17/2007	3.2	15.4	5.1	76.4	
	9:50	9/29/2007	3.0	15.2	5.6	76.2	
	8:45	10/4/2007	3.1	15.2	5.6	76.1	
	9:45	10/7/2007	3.7	15.6	4.8	75.9	
	9:50	10/18/2007	6.0	17.0	3.6	73.4	
	9:00	10/25/2007	5.0	17.2	3.8	74.0	
	9:20	11/1/2007	6.0	18.6	2.2	73.2	
	10:25	11/13/2007	11.5	18.6	3.4	66.5	
	11:30	11/26/2007	4.8	16.2	4.8	74.3	
	11:00	12/10/2007	5.0	16.0	5.4	73.6	
	11:50	12/26/2007	5.5	16.6	4.3	73.6	
	10:15	1/9/2008	6.0	17.0	3.7	73.3	
	12:10	1/23/2008	5.0	15.8	5.2	74.0	
	9:20	2/4/2008	8.0	17.4	3.3	71.3	
	7:50	2/18/2008	12.0	17.6	3.8	66.6	
	7:30	3/4/2008	20.0	18.0	6.0	56.0	
	8:50	3/18/2008	23.0	19.8	3.9	53.3	
	14:30	5/12/2008	14.5	21.0	1.5	63.0	
	9:15	5/19/2008	4.4	17.4	2.4	75.9	
	13:50	5/30/2008	6.5	18.2	1.2	74.1	
	9:20	6/12/2008	3.8	19.0	2.6	74.6	
	9:20	6/25/2008	9.5	21.6	0.5	68.4	
	11:10	7/7/2008	6.0	19.4	1.3	73.3	opened GV-6 to 200 ft/min
	12:25	7/21/2008	6.5	20.6	1.1	71.8	
	9:50	8/5/2008	7.0	20.2	1.7	71.1	
	9:10	8/13/2008	12.5	23.2	0.1	64.2	increase to 12 on 12 off
	8:45	8/19/2008	8.0	21.2	2.2	68.6	
	14:15	9/2/2008	6.5	20.6	1.1	71.8	
	11:41	10/3/2008	8.0	21.6	0.8	69.6	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-1	10:40	10/13/2008	9.0	22.4	0.6	68.0	
	9:15	10/28/2008	9.0	23.4	0.0	67.6	
	7:40	11/6/2008	10.5	22.2	0.6	66.7	
	10:25	12/8/2008	7.0	21.4	1.4	70.2	
	10:20	12/24/2008	6.0	20.4	1.2	72.4	decrease to 10 on
	12:00	1/8/2008	5.0	15.4	2.4	77.2	
	11:25	1/18/2009	8.5	23.0	0.3	68.2	
	7:40	1/27/2009	5.0	18.0	4.9	72.1	
	8:40	2/6/2009	4.8	16.4	5.2	73.7	
	11:00	2/23/2009	3.9	17.4	4.5	74.3	decrease to 8 on
	10:20	3/9/2009	8.0	21.2	0.1	70.7	
	10:20	3/20/2009	10.0	21.8	0.6	67.6	
	11:46	4/9/2009	13.0	22.2	0.2	64.6	
	10:45	4/19/2009	5.6	18.2	2.1	74.1	
	8:05	5/4/2009	8.5	16.2	5.5	69.8	
	8:40	5/18/2009	4.3	17.6	3.4	74.8	
	9:35	6/1/2009	7.0	15.4	5.2	72.4	
	9:00	6/14/2009	5.0	18.8	1.5	74.7	
	8:45	7/2/2009	13.5	21.2	1.6	63.7	
	7:30	7/13/2009	7.0	12.6	8.6	71.8	
	8:20	7/22/2009	5.0	20.4	1.3	73.3	
	8:50	8/11/2009	4.6	17.4	4.1	74.0	
	8:45	8/24/2009	4.3	16.8	4.5	74.5	decrease to 6 on 18 off
	9:25	9/8/2009	10.0	21.6	0.6	67.8	
	9:20	9/21/2009	15.0	23.8	0.0	61.2	
	10:15	10/5/2009	15.0	23.8	0.1	61.1	
	11:00	10/28/2009	16.0	23.2	1.3	59.5	
	10:50	11/16/2009	7.5	21.8	0.8	69.9	
	10:00	12/18/2009	24.0	23.8	0.0	52.2	
	9:10	12/28/2009	27.0	27.0	0.0	46.0	
	9:50	1/11/2010	24.0	26.0	0.0	50.0	
	8:30	1/26/2010	26.0	26.0	0.0	48.0	
	12:00	2/25/2010	19.5	24.6	0.0	55.9	
	9:50	3/8/2010	20.0	24.0	0.0	56.0	
	9:25	3/22/2010	18.0	23.0	0.0	59.0	
	9:28	4/5/2010	17.0	23.0	0.0	60.0	
	9:18	4/19/2010	16.5	23	0	60.5	
	9:22	5/3/2010	20.0	23.6	0.0	56.4	
	9:47	5/17/2010	20.0	24.0	0.0	56.0	
	9:10	5/25/2010	10.5	22.8	0.0	66.7	
	9:15	6/24/2010	13.0	21.0	1.4	64.6	
	10:15	7/6/2010	6.0	20.4	1.5	72.1	
	9:08	7/19/2010	7.0	19.6	3.0	70.4	
	9:00	8/2/2010	6.5	19.4	2.2	71.9	
	9:50	8/16/2010	12.5	21.6	1.1	64.8	
	8:52	8/30/2010	21.0	24.2	0.7	54.1	
	9:08	9/13/2010	26.5	25.2	1.1	47.2	
	9:40	9/28/2010	29.5	26.0	1.1	43.4	
	8:05	10/12/2010	24.5	25.2	1.7	48.6	
	9:22	10/25/2010	24.5	25.4	1.1	49.0	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-1	9:36	11/2/2010	16.0	24.2	1.5	58.3	
	8:49	11/15/2010	15.5	23.4	1.5	59.6	
	9:45	12/10/2010	14.0	22.8	1.5	61.7	
	9:00	12/23/2010	15.5	22.6	1.6	60.3	
	9:18	1/10/2011	11.5	22.2	1.6	64.7	
	12:15	2/11/2011	34.0	24.6	1.7	39.7	
	9:20	3/7/2011	4.9	15.2	6.5	73.5	
	11:50	3/24/2011	19.5	22.2	0.7	57.6	
	8:55	4/6/2011	22.9	23.4	0.3	53.4	
	8:19	4/25/2011	23.5	23.0	0.6	52.9	
	8:52	5/9/2011	34.5	24.6	0.3	40.6	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-2	11:09	3/20/2006	61.9	36.8	1.0	0.3	pre-startup
	9:52	3/22/2006	50.2	28.3	4.9	16.6	
	15:51	3/22/2006	49.9	35.2	7.4	7.5	
	8:52	3/23/2006	45.2	27.1	6.8	20.9	
	16:52	3/23/2006	54.3	32.5	3.5	9.7	
	15:20	3/24/2006	25.5	14.8	15.3	44.4	
	15:10	3/28/2006	18.7	12.0	13.5	55.8	
	19:09	3/30/2006	52.6	28.7	3.7	15.0	
	13:45	4/5/2006	35.5	20.5	8.2	35.8	
	13:25	4/6/2006	33.4	21.0	9.1	36.5	
	13:35	4/11/2006	33.4	21.7	9.9	35.0	
	10:57	4/14/2006	58.5	39.5	2.0	0.0	
	15:56	4/14/2006	33.6	20.0	7.9	38.5	
	10:20	4/17/2006	30.0	20.0	4.3	45.7	
	19:59	4/27/2006	51.7	26.8	4.2	17.3	
	13:28	5/4/2006	43.6	24.8	4.2	27.4	
	12:00	5/22/2006	48.8	28.9	4.3	18.0	
	8:41	6/9/2006	34.2	20.0	10.5	35.3	
	13:05	6/14/2006	30.1	20.2	8.3	41.4	
	11:05	6/22/2006	45.1	35.4	5.1	14.4	
	12:09	7/5/2006	44.4	44.5	5.8	5.3	
	10:50	7/10/2006	0.1	0.2	5.4	94.3	
	10:15	7/17/2006	42.7	32.7	5.8	18.8	
	14:15	7/28/2006	43.6	33.4	4.7	18.3	
	9:51	8/8/2006	45.4	36.2	4.1	14.3	
	9:30	8/16/2006	31.2	24.6	8.6	35.6	
	8:38	8/21/2006	2.4	10.2	3.7	83.7	
	14:22	8/28/2006	20.0	36.2	4.2	39.6	
	11:36	9/13/2006	28.2	37.0	4.0	30.8	
	11:34	9/25/2006	2.4	0.8	5.9	90.9	
	8:32	10/10/2006	49.8	41.7	5.1	3.4	
	8:42	10/23/2006	37.8	29.5	7.6	25.1	
	14:20	11/2/2006	42.5	28.4	3.6	25.5	
	15:16	11/14/2006	39.5	28.2	3.5	28.8	
	11:40	11/27/2006	48.5	33.2	0.3	18.0	
	13:30	12/26/2006	44.0	29.4	2.6	24.0	
	14:10	1/27/2007	44.5	27.6	3.1	24.8	
	11:28	2/24/2007	9.0	0.2	20.5	70.3	
	11:02	3/1/2007	37.2	28.2	1.5	33.1	
	12:26	3/1/2007	36.0	29.0	1.5	33.5	
	14:45	3/1/2007	33.0	27.6	2.1	37.3	
	8:05	3/5/2007	1.1	1.0	19.7	78.3	adjust blower time, 12 on, 12 off
	8:00	3/24/2007	36.0	28.4	1.2	34.4	
	16:45	3/24/2007	36.0	28.0	1.0	35.0	
	17:00	3/26/2007	33.5	27.4	0.9	38.2	
	7:19	3/27/2007	33.5	27.4	1.0	38.1	
	16:35	3/28/2007	36.0	28.2	0.9	34.9	
	7:50	3/29/2007	36.5	28.6	0.8	34.1	
	16:52	3/29/2007	35.5	28.2	0.7	35.6	
	7:56	3/30/2007	11.5	11.0	11.5	66.0	blower off

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-2	11:45	5/30/2007	44.5	27.4	1.9	26.2	restart and run 24 hrs
	13:45	5/30/2007	46.0	28.2	1.5	24.3	
	10:20	5/31/2007	40.0	26.0	1.3	32.7	reduce to 12 on 12 off
	16:25	6/1/2007	40.5	25.4	1.4	32.7	
	15:20	6/2/2007	40.5	25.4	1.2	32.9	
	16:00	6/3/2007	39.5	25.2	1.4	33.9	
	14:04	6/4/2007	39.5	25.2	1.5	33.8	reduce to 6 on 18 off
	14:43	6/7/2007	39.5	25.0	1.4	34.1	
	16:46	6/12/2007	40.5	25.6	1.2	32.7	
	14:20	6/14/2007	40.5	25.4	1.2	32.9	
	13:55	6/19/2007	39.5	25.8	1.2	33.5	
	14:00	6/21/2007	39.5	25.4	1.5	33.6	
	13:50	7/11/2007	38.0	25.8	1.5	34.7	
	13:30	7/23/2007	38.5	26.6	1.4	33.5	
	14:17	8/8/2007	38.5	27.8	1.2	32.5	
	14:00	8/13/2007	38.5	28.2	1.5	31.8	
	13:20	8/20/2007	34.5	25.2	3.1	37.2	
	13:45	8/28/2007	36.5	27.8	1.3	34.4	
	15:30	8/31/2007	30.0	26.0	2.5	41.5	
	14:25	9/4/2007	26.0	26.0	2.0	46.0	
	12:55	9/17/2007	17.5	23.6	3.2	55.7	
	9:15	9/29/2007	17.5	23.8	2.9	55.8	
	8:15	10/4/2007	18.5	25.0	1.8	54.7	
	9:15	10/7/2007	19.0	25.2	1.7	54.1	
	9:30	10/18/2007	17.5	21.4	4.2	56.9	
	8:35	10/25/2007	23.0	25.2	2.3	49.5	
	8:50	11/1/2007	26.5	27.0	1.0	45.5	
	9:55	11/13/2007	28.0	25.8	1.8	44.4	
	11:05	11/26/2007	27.0	25.4	2.0	45.6	
	10:30	12/10/2007	26.0	25.8	2.1	46.1	
	11:15	12/26/2007	26.0	25.0	2.0	47.0	
	9:40	1/9/2008	24.5	21.6	4.7	49.2	
	11:58	1/23/2008	19.0	18.2	7.4	55.4	
	8:50	2/4/2008	17.0	15.4	9.4	58.2	
	7:20	2/18/2008	25.5	20.4	6.3	47.8	
	7:15	3/4/2008	30.5	21.2	7.1	41.2	
	8:25	3/18/2008	32.5	22.6	5.5	39.4	
	13:45	5/12/2008	43.0	25.8	2.5	28.7	
	8:45	5/19/2008	41.0	26.0	2.0	31.0	
	13:20	5/30/2008	31.0	23.6	3.2	42.2	
	8:35	6/12/2008	35.5	20.0	1.3	43.2	
	8:45	6/25/2008	33.0	24.8	3.6	38.6	
	10:45	7/7/2008	32.0	27.0	1.7	39.3	opened GV-6 to 200 ft/min
	12:20	7/21/2008	34.5	28.2	1.5	35.8	
	10:00	8/5/2008	34.5	27.6	2.1	35.8	
	9:20	8/13/2008	36.5	27.8	2.8	32.9	increase to 12 on 12 off
	9:05	8/19/2008	40.0	29.6	0.4	30.0	
	14:40	9/2/2008	34.0	29.6	1.3	35.1	
	11:49	10/3/2008	34.5	29.4	1.8	34.3	
	10:25	10/13/2008	36.5	29.8	1.7	32.0	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-2	9:35	10/28/2008	38.5	30.2	2.4	28.9	
	8:00	11/6/2008	39.0	30.4	1.5	29.1	
	10:55	12/8/2008	41.5	32.2	1.2	25.1	
	9:50	12/24/2008	23.0	20.8	7.0	49.2	decrease to 10 on
	11:20	1/8/2009	25.0	23.4	5.1	46.5	
	11:35	1/18/2009	13.5	19.8	5.5	61.2	
	7:45	1/27/2009	35.5	31.0	0.7	32.8	
	8:15	2/6/2009	26.5	25.2	3.5	44.8	
	10:15	2/23/2009	23.5	25.8	2.0	48.7	decrease to 8 on
	9:50	3/9/2009	23.0	23.8	3.7	49.5	
	9:40	3/20/2009	29.5	28.6	0.5	41.4	
	12:25	4/9/2009	47.0	18.6	2.0	32.4	
	10:15	4/19/2009	35.0	28.2	0.3	36.5	
	8:15	5/4/2009	29.0	27.8	0.3	42.9	
	8:30	5/18/2009	27.5	28.2	0.0	44.3	
	9:45	6/1/2009	23.0	26.8	0.0	50.2	
	9:20	6/14/2009	23.5	27.6	0.0	48.9	
	9:00	7/2/2009	26.5	26.0	1.3	46.2	
	7:45	7/13/2009	32.0	28.6	0.0	39.4	
	8:30	7/22/2009	33.9	28.6	0.0	37.5	
	9:10	8/11/2009	31.0	29.0	0.0	40.0	
	9:00	8/24/2009	27.5	29.0	0.0	43.5	decrease to 6 on 18 off
	9:45	9/8/2009	30.5	29.6	0.0	39.9	
	9:38	9/21/2009	30.5	27.0	1.5	41.0	
	10:40	10/5/2009	38.5	30.8	0.0	30.7	
	10:50	10/28/2009	43.5	31.8	0.0	24.7	
	11:15	11/16/2009	40.0	30.6	0.6	28.8	
	9:50	12/18/2009	44.5	33.0	0.1	22.4	
	8:50	12/28/2009	49.0	33.2	0.0	17.8	
	9:00	1/11/2010	50.0	33.4	0.0	16.6	
	8:39	1/26/2010	55.5	33.6	0.0	10.9	
	11:50	2/25/2010	45.0	27.8	3.3	23.9	
	9:40	3/8/2010	53.5	31.8	0.0	14.7	
	9:10	3/22/2010	52.5	30.8	0.4	16.3	
	9:15	4/5/2010	52.5	30.8	0.2	16.5	
	9:30	4/19/2010	53.5	31.0	0.3	16.5	
	9:30	5/3/2010	52.5	30.8	0.0	16.7	
	10:10	5/17/2010	51.5	30.6	0.4	17.5	
	9:10	5/25/2010	50.0	30.8	0.2	19.0	
	9:30	6/24/2010	41.0	27.8	1.6	29.6	
	10:30	7/6/2010	37.5	27.8	1.6	33.1	
	9:18	7/19/2010	34.5	27.4	1.7	36.4	
	9:20	8/2/2010	32.0	27.4	1.7	38.9	
	10:05	8/16/2010	35.0	29.0	1.1	34.9	
	9:10	8/30/2010	39.5	30.4	0.0	30.1	
	9:26	9/13/2010	41.5	30.6	1.1	26.8	
	10:00	9/28/2010	44.5	31.0	1.1	23.4	
	8:12	10/12/2010	44.5	31.0	1.8	22.7	
	9:37	10/25/2010	48.0	32.2	1.3	18.5	
	9:36	11/2/2010	50.0	32.6	1.6	15.8	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-2	9:15	11/15/2010	48.0	32.4	1.6	18.0	
	9:55	12/10/2010	44.5	32.2	1.6	21.7	
	9:15	12/23/2010	43.5	32.6	1.6	22.3	
	9:30	1/10/2011	43	31.4	2.3	23.3	
	11:45	2/11/2011	52.0	30.8	1.5	15.7	
	9:30	2/22/2011	12.0	8.4	15.1	64.5	
	9:05	3/7/2011	13.0	9.2	14.5	63.3	
	12:10	3/24/2011	47.5	31.0	0.4	21.1	
	9:15	4/6/2011	49.5	30.8	0.3	19.4	
	8:08	4/25/2011	51.0	29.4	1.3	18.3	
	9:08	5/9/2011	53.5	29.8	0.6	16.1	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-3	11:31	3/20/2006	62.3	36.3	0.5	0.9	pre-startup
	10:06	3/22/2006	55.9	33.2	3.5	7.4	
	8:37	3/23/2006	53.5	30.5	3.4	12.6	
	16:30	3/23/2006	59.9	30.5	2.0	7.6	
	14:30	3/24/2006	8.6	6.7	17.0	67.7	
	14:45	3/28/2006	21.1	14.8	12.0	52.1	
	19:21	3/30/2006	51.2	30.4	1.6	16.8	
	13:35	4/5/2006	30.7	22.2	6.6	40.5	
	13:05	4/6/2006	19.0	14.9	11.9	54.2	
	13:20	4/11/2006	36.9	26.6	3.5	33.0	
	10:49	4/14/2006	38.2	27.8	1.0	33.0	
	15:30	4/14/2006	37.7	28.8	1.2	32.3	
	10:10	4/17/2006	10.5	0.6	0.8	88.1	
	19:38	4/27/2006	27.6	23.6	0.5	48.3	
	13:20	5/4/2006	0.0	0.0	8.8	91.2	
	10:25	5/22/2006	9.6	15.7	8.9	65.8	
	14:41	6/2/2006	0.6	0.1	20.4	78.9	
	8:29	6/9/2006	22.5	31.2	4.0	42.3	
	12:42	6/14/2006	20.5	15.6	3.2	60.7	
	10:51	6/22/2006	13.1	28.7	3.5	54.7	
	12:23	7/5/2006	13.0	29.6	1.9	55.5	
	11:38	7/10/2006	0.0	0.0	1.7	98.3	
	10:17	7/17/2006	11.9	28.3	1.8	58.0	
	14:09	7/28/2006	16.3	28.7	1.5	53.5	
	10:02	8/8/2006	11.4	28.8	1.5	58.3	
	9:10	8/16/2006	11.9	28.4	1.4	58.3	
	8:27	8/21/2006	2.4	5.8	1.8	90.0	
	14:14	8/28/2006	12.1	10.2	1.4	76.3	
	11:26	9/13/2006	6.8	11.8	1.7	79.7	
	11:25	9/25/2006	10.1	0.4	1.9	87.6	
	8:25	10/10/2006	10.8	29.6	2.7	56.9	
	8:26	10/23/2006	10.9	29.4	3.9	55.8	
	14:12	11/2/2006	9.5	23.4	0.4	66.7	
	15:09	11/14/2006	2.5	0.0	20.0	77.5	
	12:00	11/27/2006	0.3	1.2	18.9	79.7	
	13:10	12/26/2006	13.5	21.2	3.3	62.0	
	14:20	1/27/2007	13.0	21.4	1.9	63.7	
	11:40	2/24/2007	4.3	0.2	19.7	75.9	
	11:22	3/1/2007	12.0	19.6	4.1	64.3	
	12:30	3/1/2007	11.5	19.2	4.2	65.1	
	14:32	3/1/2007	11.5	18.8	4.1	65.6	
	7:50	3/5/2007	0.3	0.0	20.3	79.5	adjust blower time, 12 on, 12 off
	7:50	3/24/2007	15.0	19.2	4.1	61.7	
	16:34	3/24/2007	14.5	19.2	4.0	62.3	
	16:48	3/26/2007	12.5	18.6	3.6	65.3	
	7:09	3/27/2007	12.0	19.2	3.5	65.3	
	16:45	3/28/2007	13.0	19.8	3.6	63.6	
	7:40	3/29/2007	12.0	19.2	3.7	65.1	
	16:43	3/29/2007	12.0	19.2	3.8	65.0	
	7:45	3/30/2007	7.0	12.6	8.0	72.4	blower off

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-3	11:30	5/30/2007	29.0	22.8	3.0	45.2	restart and run 24 hrs
	13:52	5/30/2007	30.5	22.8	3.2	43.5	
	10:10	5/31/2007	23.5	21.2	2.9	52.4	reduce to 12 on 12 off
	16:10	6/1/2007	21.5	20.8	2.8	54.9	
	15:13	6/2/2007	20.0	19.4	3.6	57.0	
	15:44	6/3/2007	19.0	20.2	2.8	58.0	
	13:45	6/4/2007	18.0	19.8	3.0	59.2	reduce to 6 on 18 off
	14:27	6/7/2007	23.0	22.2	2.8	52.0	
	16:15	6/12/2007	14.0	19.4	3.1	63.5	
	13:58	6/14/2007	14.5	19.2	3.1	63.2	
	13:35	6/19/2007	14.5	19.6	3.0	62.9	
	13:40	6/21/2007	14.0	19.2	3.2	63.6	
	13:20	7/11/2007	14.0	19.2	3.3	63.5	
	13:10	7/23/2007	13.0	19.0	3.4	64.6	
	14:04	8/8/2007	13.0	19.4	3.4	64.2	
	13:50	8/13/2007	14.0	21.6	2.1	62.3	
	13:10	8/20/2007	11.8	19.8	2.7	65.7	
	13:35	8/28/2007	11.5	19.2	2.8	66.5	
	15:20	8/31/2007	8.5	18.0	3.5	70.0	
	14:15	9/4/2007	7.0	17.0	3.9	72.1	
	12:45	9/17/2007	5.5	15.8	4.7	74.0	
	9:05	9/29/2007	5.0	16.2	4.6	74.2	
	8:05	10/4/2007	5.5	16.0	4.6	73.9	
	9:05	10/7/2007	6.0	16.4	4.2	73.4	
	9:20	10/18/2007	7.5	16.8	3.6	72.1	
	8:25	10/25/2007	6.5	16.6	4.2	72.7	
	8:40	11/1/2007	7.5	16.8	4.3	71.4	
	9:45	11/13/2007	11.5	16.2	5.5	66.8	
	10:55	11/26/2007	7.0	14.4	6.4	72.2	
	10:20	12/10/2007	7.0	14.6	6.8	71.6	
	11:05	12/26/2007	7.5	14.4	6.4	71.7	
	9:30	1/9/2008	8.5	14.6	6.6	70.3	
	11:50	1/23/2008	7.5	14.4	7.3	70.8	
	8:40	2/4/2008	10.0	15.6	6.1	68.3	
	7:10	2/18/2008	12.5	15.4	6.8	65.3	
	7:40	3/4/2008	17.5	17.8	7.5	57.2	
	8:15	3/18/2008	20.0	17.6	6.2	56.2	
	13:35	5/12/2008	20.0	19.6	4.5	55.9	
	8:45	5/19/2008	11.5	16.6	5.6	66.3	
	13:10	5/30/2008	10.0	16.2	5.1	68.7	
	8:25	6/12/2008	9.5	17.4	5.2	67.9	
	8:35	6/25/2008	14.5	19.8	4.3	61.4	
	10:35	7/7/2008	10.5	17.0	4.9	67.6	opened GV-6 to 200 ft/min
	12:15	7/21/2008	10.5	19.0	4.1	66.4	
	10:00	8/5/2008	12.5	19.2	4.2	64.1	
	9:15	8/13/2008	13.5	19.6	4.3	62.6	increase to 12 on 12 off
	8:55	8/19/2008	9.5	18.4	4.6	67.5	
	14:25	9/2/2008	11.5	18.4	4.4	65.7	
	12:12	10/3/2008	12.5	19.0	4.8	63.7	
	10:15	10/13/2008	13.0	19.0	4.9	63.1	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-3	9:25	10/28/2008	13.5	19.6	5.4	61.5	
	7:50	11/6/2008	13.5	19.2	5.1	62.2	
	10:40	12/8/2008	12.0	18.8	5.6	63.6	
	9:40	12/24/2008	10.0	17.4	5.2	67.4	decrease to 10 on
	11:10	1/8/2009	9.5	17.0	5.5	68.0	
	11:45	1/18/2009	29.5	22.6	7.4	40.5	
	8:05	2/6/2009	8.5	16.0	5.8	69.7	1/27/09 ice in port
	10:05	2/23/2009	6.5	16.2	5.7	71.6	decrease to 8 on
	9:40	3/9/2009	11.0	17.0	5.2	66.8	
	9:30	3/20/2009	13.5	17.6	5.3	63.6	
	11:25	4/9/2009	17.5	18.8	4.9	58.8	
	10:10	4/19/2009	11.0	17.2	5.3	66.5	
	8:40	5/4/2009	4.2	17.4	3.3	75.2	
	8:45	5/18/2009	7.5	16.4	5.5	70.6	
	10:10	6/1/2009	3.8	16.0	4.3	76.0	
	9:10	6/14/2009	7.5	16.0	5.3	71.2	
	8:55	7/2/2009	15.8	18.0	4.5	61.7	
	7:35	7/13/2009	15.5	19.0	4.4	61.1	
	8:35	7/22/2009	11.5	18.0	4.8	65.7	
	9:00	8/11/2009	9.0	17.2	4.7	69.1	
	8:50	8/24/2009	7.0	15.8	5.7	71.5	decrease to 6 on 18 off
	9:35	9/8/2009	12.0	17.4	4.8	65.8	
	9:28	9/21/2009	14.5	18.6	4.8	62.1	
	10:25	10/5/2009	16.5	19.2	4.9	59.4	
	11:05	10/28/2009	18.5	20.4	4.7	56.4	
	11:05	11/16/2009	12.5	18.6	5.5	63.4	
	9:35	12/18/2009	25.0	23.2	4.0	47.8	
	9:20	12/28/2009	25.0	22.4	5.0	47.6	
	9:20	1/11/2010	24.5	23.4	4.4	47.7	
	8:20	1/26/2010	27.5	23.6	4.4	44.5	
	11:45	2/25/2010	24.0	23.2	4.3	48.5	
	10:04	3/8/2010	25.0	23.0	3.9	48.1	
	9:30	3/22/2010	24.0	22.0	4.5	49.5	
	9:35	4/5/2010	24.9	22.6	4.0	48.5	
	9:21	4/19/2010	24.5	22.2	4.4	48.9	
	9:31	5/3/2010	26.5	22.6	4.0	46.9	
	9:59	5/17/2010	26.0	22.4	4.3	47.3	
	8:55	5/25/2010	22.0	22.2	3.4	52.4	
	9:20	6/24/2010	22.5	21.0	1.4	55.1	
	10:20	7/6/2010	17.0	19.8	4.5	58.7	
	9:14	7/19/2010	15.5	19.0	4.7	60.8	
	9:10	8/2/2010	10.5	18.6	4.7	66.2	
	10:00	8/16/2010	18.5	19.8	4.2	57.5	
	9:05	8/30/2010	24.5	22.0	3.0	50.5	
	9:15	9/13/2010	27.0	22.4	4.3	46.3	
	9:18	9/28/2010	27.0	22.6	4.7	45.7	
	8:17	10/12/2010	24.5	22.4	5.0	48.1	
	9:30	10/25/2010	24.5	22.2	4.7	48.6	
	9:45	11/2/2010	22.0	21.8	5.4	50.8	
	9:06	11/15/2010	21.5	21.2	1.7	55.6	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-3	9:50	12/10/2010	20.0	20.6	5.7	53.7	
	9:10	12/23/2010	19.5	21.2	5.9	53.4	
	9:25	1/10/2011	20.5	20.8	6	52.7	
	8:41	1/25/2011	18.5	18.8	7.4	55.3	
	12:30	2/11/2011	29.5	21.6	6.1	42.8	
	10:15	2/22/2011	15.5	17.0	7.7	59.8	
	9:30	3/7/2011	15.5	17.4	7.1	60.0	
	12:00	3/24/2011	23.0	20.6	4.9	51.5	
	9:05	4/6/2011	31.0	21.6	4.9	42.5	
	8:04	4/25/2011	31.0	21.2	5.6	42.2	
	9:00	5/9/2011	37.5	23.0	4.5	35.0	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-6	11:19	3/20/2006	0.4	0.2	20.9	78.5	pre-startup
	10:00	3/22/2006	45.9	26.6	2.6	24.9	
	15:49	3/22/2006	54.2	31.6	0.9	13.3	
	8:47	3/23/2006	51.5	29.5	1.3	17.7	
	16:50	3/23/2006	45.0	25.4	3.8	25.8	
	15:30	3/24/2006	24.0	13.9	15.0	47.1	
	14:30	3/28/2006	13.2	10.0	12.9	63.9	
	19:00	3/30/2006	34.4	24.9	2.9	37.8	
	13:25	4/5/2006	22.9	18.7	8.2	50.2	
	12:55	4/6/2006	21.9	17.4	7.9	52.8	
	13:10	4/11/2006	23.8	20.2	5.9	50.1	
	10:56	4/14/2006	26.9	23.4	2.3	47.4	
	15:53	4/14/2006	21.3	28.5	5.4	44.8	
	10:00	4/17/2006	31.3	34.0	3.0	31.7	
	19:55	4/27/2006	15.6	19.8	4.0	60.6	
	13:15	5/4/2006	0.0	0.0	2.4	97.6	
	10:19	5/22/2006	16.2	24.6	1.3	57.9	
	8:23	6/9/2006	24.4	32.8	6.2	36.6	
	12:37	6/14/2006	22.8	29.3	5.6	42.3	
	10:46	6/22/2006	12.1	23.0	5.4	59.5	
	12:07	7/5/2006	13.7	24.7	4.9	56.7	
	11:33	7/10/2006	12.6	26.2	4.0	57.2	
	10:54	7/17/2006	12.7	25.6	3.9	57.8	
	14:04	7/28/2006	4.8	24.5	4.4	66.3	
	9:53	8/8/2006	14.8	29.1	2.3	53.8	
	9:06	8/16/2006	14.8	27.1	4.1	54.0	
	8:22	8/21/2006	12.7	8.6	3.8	74.9	
	14:10	8/28/2006	16.6	25.7	5.0	52.7	
	11:24	9/13/2006	8.2	1.4	5.3	85.1	
	11:20	9/25/2006	8.1	0.8	1.8	89.3	
	8:20	10/10/2006	18.1	30.1	3.2	48.6	
	8:21	10/23/2006	12.8	18.1	4.6	64.5	
	14:05	11/2/2006	10.0	22.4	1.3	66.3	
	14:56	11/14/2006	19.0	21.8	4.5	54.7	
	11:27	11/27/2006	9.0	14.6	8.4	68.0	
	13:00	12/26/2006	15.5	22.8	1.5	60.2	
	14:02	1/27/2007	13.5	20.8	1.7	64.0	
	9:32	2/15/2007	0.6	11.4	8.0	80.1	
	11:24	2/24/2007	2.6	12.0	9.6	75.9	
	9:41	3/1/2007	23.0	24.0	0.2	52.8	
	10:15	3/1/2007	13.5	17.8	3.6	65.1	
	10:17	3/1/2007	12.0	19.2	1.3	67.5	
	11:13	3/1/2007	9.0	17.4	2.5	71.1	
	12:22	3/1/2007	7.5	16.6	3.0	72.9	
	13:53	3/1/2007	6.5	15.6	4.3	73.6	
	14:00	3/1/2007	7.0	15.5	4.2	73.3	
	14:40	3/1/2007	6.0	14.4	5.2	74.4	
	8:00	3/5/2007	6.0	14.4	6.4	73.2	adjust blower time, 12 on, 12 off
	8:05	3/24/2007	11.5	20.0	2.8	65.7	
	16:50	3/24/2007	12.0	19.4	2.8	65.8	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-6	17:05	3/26/2007	9.5	18.4	3.2	68.9	
	7:25	3/27/2007	7.0	17.6	4.1	71.3	
	16:31	3/28/2007	11.0	20.0	1.8	67.2	
	7:59	3/29/2007	8.5	19.8	1.4	70.3	
	16:55	3/29/2007	12.0	20.0	1.3	66.7	
	7:59	3/30/2007	9.0	20.8	0.3	69.9	blower off
	10:45	5/30/2007	31.0	22.6	0.7	45.7	restart and run 24 hrs
	13:40	5/30/2007	36.5	26.2	0.6	36.7	
	10:25	5/31/2007	21.5	22.8	1.5	54.2	reduce to 12 on 12 off
	16:28	6/1/2007	20.5	22.0	1.1	56.4	
	15:25	6/2/2007	20.0	21.8	1.1	57.1	
	16:05	6/3/2007	20.5	22.4	0.5	56.6	
	14:08	6/4/2007	16.5	22.0	0.8	60.7	reduce to 6 on 18 off
	15:04	6/7/2007	19.0	22.6	0.4	58.0	
	17:35	6/12/2007	14.0	21.6	1.7	62.7	
	15:00	6/14/2007	14.0	21.8	0.6	63.6	
	14:30	6/19/2007	13.0	22.8	0.7	63.5	
	14:30	6/21/2007	15.0	21.8	1.4	61.8	
	14:20	7/11/2007	14.0	20.2	3.1	62.7	
	14:20	7/23/2007	15.0	21.0	3.3	60.7	
	14:10	8/8/2007	14.0	20.2	3.8	62.0	
	13:15	8/13/2007	12.0	18.6	5.1	64.3	
	14:20	8/20/2007	9.5	18.0	5.1	67.4	
	14:15	8/28/2007	9.0	18.6	4.4	68.0	
	15:50	8/31/2007	6.0	19.2	2.5	72.3	
	14:45	9/4/2007	6.0	18.2	3.2	72.6	
	13:15	9/17/2007	5.0	16.8	4.3	73.9	
	9:35	9/29/2007	4.7	16.8	4.3	74.2	
	8:35	10/4/2007	4.4	16.2	4.7	74.8	
	9:35	10/7/2007	4.7	17.0	3.6	74.7	
	9:40	10/18/2007	7.5	20.0	0.6	71.9	
	9:10	10/25/2007	7.0	2.0	0.5	90.5	
	9:10	11/1/2007	7.0	20.6	0.2	72.2	
	10:05	11/13/2007	17.5	22.0	0.7	59.8	
	11:20	11/26/2007	6.0	15.6	5.5	72.9	reduce to 12 on 12 off
	10:50	12/10/2007	7.0	16.8	4.8	71.4	reduce to 10 on 14 off
	11:40	12/26/2007	6.5	15.6	4.9	73.0	reduce to 8 on 16 off
	10:05	1/9/2008	6.0	15.6	4.9	73.5	
	12:05	1/23/2008	5.5	13.4	7.3	73.8	
	9:10	2/4/2008	12.5	19.4	0.9	67.2	
	7:40	2/18/2008	17.0	20.4	0.7	61.9	
	7:20	3/4/2008	21.0	21.0	0.9	57.1	
	8:35	3/18/2008	31.0	22.8	0.8	45.4	
	14:15	5/12/2008	14.5	19.6	3.1	62.8	
	9:05	5/19/2008	5.5	14.8	6.4	73.3	
	13:40	5/30/2008	12.0	20.4	0.2	67.4	
	9:15	6/12/2008	5.0	16.8	5.5	72.7	
	9:10	6/25/2008	10.0	23.4	0.6	66.0	
	11:20	7/7/2008	5.5	20.0	0.0	74.5	opened GV-6 to 200 ft/min
	12:25	7/21/2008	7.5	20.8	1.3	70.4	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-6	9:45	8/5/2008	9.5	21.8	0.5	68.2	
	9:00	8/13/2008	11.5	21.6	1.4	65.5	increase to 12 on 12 off
	8:40	8/19/2008	4.9	15.4	6.8	73.0	
	14:00	9/2/2008	5.5	18.4	2.0	74.1	
	11:46	10/3/2008	3.7	9.6	11.0	75.7	
	10:35	10/13/2008	9.0	20.4	1.8	68.8	
	9:10	10/28/2008	7.0	19.2	2.8	71.0	
	7:30	11/6/2008	10.0	20.2	1.5	68.3	
	10:10	12/24/2008	6.0	15.6	4.5	73.9	12/8/08 meter failure
	11:45	1/8/2009	3.1	13.6	6.5	76.8	1/27/09 ice in port
	11:15	1/18/2009	8.5	19.0	3.2	69.3	
	8:30	2/6/2009	3.2	12.4	7.7	76.8	
	10:45	2/23/2009	1.5	10.8	9.7	78.1	decrease to 8 on
	10:10	3/9/2009	3.0	14.6	3.3	79.1	
	10:10	3/20/2009	4.4	16.8	2.1	76.8	
	12:21	4/9/2009	8.0	18.4	0.0	73.6	
	10:30	4/19/2009	3.6	13.0	6.7	76.7	
	8:30	5/4/2009	1.6	11.4	8.5	78.6	
	8:35	5/18/2009	2.0	12.4	7.2	78.4	
	10:05	6/1/2009	1.3	11.4	7.9	79.4	
	8:50	6/14/2009	1.7	13.8	4.7	79.8	
	8:40	7/2/2009	9.0	20.8	0.3	69.9	
	7:25	7/13/2009	11.5	23.0	0.0	65.5	
	8:25	7/22/2009	4.5	16.2	4.4	74.9	
	8:40	8/11/2009	1.9	11.8	7.7	78.6	
	8:40	8/24/2009	1.8	11.4	7.9	79.0	decrease to 6 on 18 off
	9:15	9/8/2009	7.0	18.4	1.6	73.0	
	9:10	9/21/2009	16.0	22.4	0.4	61.2	
	10:09	10/5/2009	9.5	19.8	2.0	68.7	
	10:55	10/28/2009	12.5	20.8	1.6	65.1	
	10:45	11/16/2009	15.5	4.5	16.0	64.0	
	9:15	12/18/2009	24.0	23.8	0.0	52.2	
	9:00	12/28/2009	21.5	22.4	5.0	51.1	
	9:10	1/11/2010	15.5	20.4	2.8	61.3	
	12:30	2/25/2010	21.2	21.2	0.7	56.9	
	9:45	3/8/2010	18.0	21.2	0.2	60.6	
	9:20	3/22/2010	18.0	21.2	0.3	60.5	
	9:20	4/5/2010	7.0	20.2	1.2	71.6	
	9:12	4/19/2010	14.0	21.0	0.1	64.9	
	9:12	5/3/2010	12.5	21.4	0.0	66.1	
	9:42	5/17/2010	22.5	23.6	0.0	53.9	
	9:04	5/25/2010	5.0	19.8	2.9	72.3	
	9:10	6/24/2010	9.0	19.6	1.7	69.7	
	9:00	7/19/2010	3.4	16.8	2.7	77.1	
	8:50	8/2/2010	4.5	12.0	3.0	80.6	
	9:43	8/16/2010	14.0	22.0	1.2	62.8	
	8:47	8/30/2010	21.5	25.0	1.0	52.5	
	9:00	9/13/2010	30.0	26.6	1.2	42.2	
	9:47	9/28/2010	37.0	28.2	1.2	33.6	

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-6	8:10	10/12/2010	24.0	25.0	1.7	49.3	
	9:12	10/25/2010	35.5	26.8	1.2	36.5	
	9:30	11/2/2010	15.5	22.0	1.9	60.6	
	8:45	11/15/2010	13.5	21.0	1.7	63.8	
	9:40	12/10/2010	9.0	19.2	2.1	69.7	
	8:50	12/23/2010	6.0	18.2	2.8	73.0	
	9:10	1/10/2011	28.0	4.8	15.7	51.5	
	12:00	2/11/2011	30.5	20.8	0.5	48.2	
	9:40	2/22/2011	1.7	7.4	14.2	76.7	
	9:15	3/7/2011	4.4	10.0	11.5	74.1	
	11:45	3/24/2011	7.5	12.2	6.9	73.4	
	8:45	4/6/2011	17.5	19.2	0.9	62.4	
	8:12	4/25/2011	18.6	20.8	0.7	59.9	
	8:45	5/9/2011	29.5	22.8	0.4	47.3	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-1	11:33	3/20/2006	10.2	8.1	14.9	66.8	pre-startup
	10:08	3/22/2006	17.2	11.7	14.8	56.3	
	11:33	3/22/2006	10.2	8.1	14.9	66.8	
	15:38	3/22/2006	48.6	29.2	1.4	20.8	
	8:39	3/23/2006	43.2	26.9	1.0	28.9	
	16:40	3/23/2006	41.1	21.9	2.4	34.6	
	15:00	3/24/2006	11.5	8.6	13.4	66.5	
	14:50	3/28/2006	8.7	7.4	13.4	70.5	
	19:02	3/30/2006	21.1	19.6	2.4	56.9	
	13:20	4/5/2006	23.0	17.0	9.8	50.2	
	13:15	4/6/2006	8.0	8.2	13.3	70.5	
	13:30	4/11/2006	10.2	13.4	6.7	69.7	
	10:51	4/14/2006	12.1	16.6	2.3	69.0	
	15:32	4/14/2006	22.8	24.9	1.0	51.3	
	10:15	4/17/2006	19.6	24.6	5.0	50.8	
	19:36	4/27/2006	11.3	16.8	1.9	70.0	
	13:22	5/4/2006	0.4	0.1	2.5	97.0	
	10:30	5/22/2006	5.9	19.0	3.0	72.1	
	14:32	6/2/2006	6.6	19.5	3.4	70.5	
	8:35	6/9/2006	7.9	17.8	6.4	67.9	
	12:04	6/14/2006	7.1	10.8	15.4	66.7	
	10:57	6/22/2006	6.3	19.5	5.6	68.6	
	11:31	7/5/2006	5.3	20.0	5.9	68.8	
	10:45	7/10/2006	4.7	18.8	5.2	71.3	
	10:11	7/17/2006	5.7	19.8	5.7	68.8	
	14:11	7/28/2006	5.8	19.7	5.3	69.2	
	10:04	8/8/2006	4.6	18.2	6.4	70.8	
	9:16	8/16/2006	2.4	1.3	7.1	89.2	
	8:33	8/21/2006	4.3	18.0	7.5	70.2	
	2:18	8/28/2006	3.4	18.2	8.1	70.3	
	11:31	9/13/2006	8.1	0.0	8.9	83.0	
	11:29	9/25/2006	0.3	0.6	4.9	94.2	
	8:29	10/10/2006	4.0	11.6	13.0	71.4	
	8:35	10/23/2006	0.7	0.1	20.4	78.8	
	14:16	11/2/2006	4.9	13.8	8.6	72.8	
	15:04	11/14/2006	0.3	0.0	20.1	79.7	
	11:31	11/27/2006	0.2	0.0	20.2	79.7	
	13:19	12/26/2006	4.9	14.0	7.3	73.8	
	12:58	1/27/2007	3.3	12.6	7.4	76.7	
	9:28	2/15/2007	0.3	5.6	14.2	80.0	
	11:45	2/24/2007	0.6	5.4	15.1	78.9	
	9:38	3/1/2007	7.5	18.6	0.9	73.0	
	10:07	3/1/2007	6.5	18.0	1.7	73.8	
	11:11	3/1/2007	7.0	18.0	2.1	72.9	
	12:20	3/1/2007	6.5	18.4	2.2	72.9	
	13:40	3/1/2007	5.5	17.8	3.2	73.5	
	13:42	3/1/2007	6.0	17.4	3.8	72.8	
	14:36	3/1/2007	5.5	16.4	4.2	73.9	
	7:45	3/5/2007	0.3	3.2	16.6	79.9	adjust blower time, 12 on, 12 off
	7:45	3/24/2007	1.4	11.2	8.0	79.5	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-1	16:32	3/24/2007	1.1	10.4	9.0	79.5	
	16:45	3/26/2007	0.5	8.6	10.7	80.2	
	7:05	3/27/2007	0.4	8.0	11.8	79.9	
	16:50	3/28/2007	0.6	8.8	11.7	78.9	
	7:35	3/29/2007	0.3	9.0	10.6	80.1	
	16:38	3/29/2007	0.4	8.6	11.2	79.8	
	7:35	3/30/2007	8.0	17.8	1.6	72.6	blower off
	10:42	5/30/2007	29.5	25.0	0.8	44.7	restart and run 24 hrs
	13:50	5/30/2007	23.5	23.6	1.2	51.7	
	10:05	5/31/2007	8.5	17.4	2.3	71.8	reduce to 12 on 12 off
	16:05	6/1/2007	5.5	15.8	3.0	75.7	
	15:10	6/2/2007	4.8	15.0	3.2	77.1	
	15:40	6/3/2007	4.0	14.6	3.6	77.8	
	13:50	6/4/2007	3.0	14.0	4.7	78.3	reduce to 6 on 18 off
	14:23	6/7/2007	7.0	16.8	2.2	74.0	
	16:05	6/12/2007	0.9	11.2	9.6	78.3	
	13:45	6/14/2007	1.5	12.0	8.3	78.3	
	13:45	6/19/2007	1.4	12.2	8.5	78.0	
		6/21/2007					vent closed

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-4	11:23	3/20/2006	15.6	15.9	9.1	59.4	pre-startup
	10:04	3/22/2006	45.0	26.7	2.7	25.6	
	15:30	3/22/2006	54.0	32.9	0.9	12.2	
	8:33	3/23/2006	50.6	32.3	0.9	16.2	
	16:32	3/23/2006	42.4	26.0	0.8	30.8	
	14:56	3/24/2006	30.0	15.7	16.0	38.3	
	14:20	3/28/2006	10.5	9.9	8.9	70.7	
	19:25	3/30/2006	27.4	25.4	1.6	45.6	
	13:15	4/5/2006	16.0	16.9	8.2	58.9	
	12:45	4/6/2006	14.2	15.1	8.8	61.9	
	13:05	4/11/2006	11.7	12.9	11.5	63.9	
	10:47	4/14/2006	22.7	23.6	1.6	52.1	
	15:24	4/14/2006	15.5	30.4	2.5	51.6	
	9:55	4/17/2006	10.0	15.5	7.6	66.9	
	19:25	4/27/2006	8.1	15.2	3.7	73.0	
	13:07	5/4/2006	7.4	15.3	5.3	72.0	
	10:15	5/22/2006	6.8	16.4	5.8	71.0	
	14:45	6/2/2006	14.1	31.6	5.1	49.2	
	8:18	6/9/2006	10.1	0.6	8.0	81.3	
	12:32	6/14/2006	10.4	21.1	7.7	60.8	
	11:30	6/22/2006	0.6	0.4	19.9	79.1	
	12:04	7/5/2006	12.7	8.8	5.1	73.4	
	11:28	7/10/2006	6.3	24.5	2.5	66.7	
	10:48	7/17/2006	5.7	21.0	5.4	67.9	
	13:58	7/28/2006	8.0	25.3	2.8	63.9	
	9:44	8/8/2006	6.2	23.0	4.0	66.8	
	9:03	8/16/2006	6.1	23.2	4.0	66.7	
	8:17	8/21/2006	7.0	0.5	4.6	87.9	
	2:06	8/28/2006	7.4	25.9	3.9	62.8	
	11:20	9/13/2006	8.1	0.1	3.3	88.5	
	11:17	9/25/2006	10.1	0.3	1.3	88.3	
	8:17	10/10/2006	7.4	25.4	3.4	63.8	
	8:17	10/23/2006	7.8	24.0	6.3	61.9	
	13:45	11/2/2006	6.0	20.4	4.2	69.4	
	14:51	11/14/2006	8.0	16.6	6.4	69.0	
	11:25	11/27/2006	4.0	14.8	6.3	75.0	
	12:50	12/26/2006	4.4	18.8	3.1	73.7	
	13:42	1/27/2007	9.0	20.4	2.7	67.9	
	9:26	2/15/2007	0.5	14.4	3.8	81.3	
	11:18	2/24/2007	3.2	14.8	6.7	75.3	
	9:32	3/1/2007	16.5	22.2	0.2	61.1	
	9:50	3/1/2007	16.5	22.6	0.8	60.1	
	11:05	3/1/2007	12.0	19.8	1.2	67.0	
	12:13	3/1/2007	12.0	19.2	1.2	67.6	
	13:15	3/1/2007	10.5	19.0	1.2	69.3	
	13:17	3/1/2007	10.5	19.2	1.0	69.3	
	14:25	3/1/2007	9.5	1.2	17.6	71.7	
	8:15	3/5/2007	6.0	16.8	3.2	74.0	adjust blower time, 12 on, 12 off
	8:15	3/24/2007	9.5	21.8	1.0	67.7	
	17:00	3/24/2007	7.0	20.8	1.3	70.9	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-4	17:14	3/26/2007	2.6	19.2	2.1	76.1	
	7:33	3/27/2007	1.7	18.8	2.8	76.7	
	16:24	3/28/2007	2.5	19.2	1.9	76.4	
	8:08	3/29/2007	2.9	19.2	1.5	76.4	
	17:04	3/29/2007	3.3	19.2	1.7	75.9	
	8:08	3/30/2007	8.5	20.6	0.2	70.7	blower off
	10:54	5/30/2007	39.5	27.4	0.2	32.9	restart and run 24 hrs
	13:34	5/30/2007	37.5	26.8	0.2	35.5	
	10:35	5/31/2007	16.5	23.8	0.2	59.5	reduce to 12 on 12 off
	16:36	6/1/2007	12.5	22.5	0.4	64.6	
	15:33	6/2/2007	11.0	22.4	0.4	66.2	
	16:13	6/3/2007	9.5	21.8	0.3	68.4	
	14:15	6/4/2007	6.5	21.6	0.4	71.5	reduce to 6 on 18 off
	14:59	6/7/2007	9.5	22.2	0.1	68.2	
	17:25	6/12/2007	4.4	20.8	1.0	73.8	
	14:40	6/14/2007	4.3	20.6	0.5	74.7	
	14:50	6/19/2007	5.0	21.0	0.8	73.2	
	14:50	6/21/2007	7.5	21.6	0.7	70.2	
	14:40	7/11/2007	10.5	23.0	0.4	66.1	
	14:08	7/23/2007	12.5	23.6	0.4	63.5	
	14:06	8/8/2007	13.0	24.0	0.4	62.6	
	13:40	8/13/2007	10.0	23.4	0.9	65.7	
	13:50	8/20/2007	4.6	21.6	0.8	73.0	
	14:35	8/28/2007	3.1	20.2	0.9	75.8	
		8/31/2007					vent closed

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-7	11:17	3/20/2006	9.3	6.8	15.8	68.1	pre-startup
	9:58	3/22/2006	44.0	24.8	1.3	29.9	
	15:46	3/22/2006	11.1	24.5	1.3	63.1	
	8:44	3/23/2006	36.7	25.0	1.6	36.7	
	14:40	3/24/2006	8.2	6.8	15.3	69.7	
	14:40	3/28/2006	8.5	8.3	12.7	70.5	
	19:13	3/30/2006	19.8	18.8	3.2	58.2	
	13:30	4/5/2006	11.5	12.5	9.8	66.2	
	13:00	4/6/2006	8.1	8.5	12.5	70.9	
	13:15	4/11/2006	13.9	16.6	4.8	64.7	
	10:55	4/14/2006	13.9	17.1	2.3	66.7	
	15:39	4/14/2006	28.6	29.2	3.5	38.7	
	10:05	4/17/2006	13.1	18.3	7.9	60.7	
	19:45	4/27/2006	8.7	13.6	5.4	72.3	
	13:17	5/4/2006	0.0	0.0	6.3	93.7	
	10:23	5/22/2006	6.7	15.1	7.0	71.2	
	8:26	6/9/2006	9.8	24.8	9.1	56.3	
	12:40	6/14/2006	8.2	13.5	8.7	69.6	
	10:48	6/22/2006	5.6	15.4	7.8	71.2	
	12:14	7/5/2006	5.2	17.1	7.4	70.3	
	11:35	7/10/2006	0.0	0.0	5.6	94.4	
	11:00	7/17/2006	4.6	16.4	7.0	72.0	
	14:07	7/28/2006	6.2	16.7	6.7	70.4	
	9:59	8/8/2006	4.9	15.6	7.9	71.6	
	9:08	8/16/2006	5.6	15.1	8.3	71.0	
	8:25	8/21/2006	1.6	4.2	9.3	84.9	
	2:12	8/28/2006	5.2	14.8	8.8	71.2	
	11:25	9/13/2006	4.6	13.3	9.9	72.2	
	11:23	9/25/2006	6.8	0.5	5.1	87.6	
	8:22	10/10/2006	5.2	13.8	11.3	69.7	
	8:24	10/23/2006	2.4	3.0	16.0	78.6	
	14:10	11/2/2006	6.5	13.0	9.4	71.1	
	14:59	11/14/2006	2.6	8.6	11.5	77.3	
	11:30	11/27/2006	2.7	8.6	11.7	77.1	
	13:05	12/26/2006	9.0	16.0	6.0	69.0	
	14:12	1/27/2007	8.0	4.8	5.4	81.8	
	9:33	2/15/2007	0.9	15.0	3.3	80.8	
	11:30	2/24/2007	sampling port clogged with ice				
	9:43	3/1/2007	30.5	27.2	0.3	42.0	
	10:20	3/1/2007	18.5	23.4	0.7	57.4	
	11:17	3/1/2007	20.5	24.2	0.4	54.9	
	12:24	3/1/2007	17.0	23.0	0.4	59.6	
	14:04	3/1/2007	17.5	23.0	0.8	58.7	
	14:42	3/1/2007	16.0	22.0	1.5	60.5	
	7:55	3/5/2007	4.9	17.4	2.6	75.1	adjust blower time, 12 on, 12 off
	7:55	3/24/2007	7.0	12.2	6.6	74.2	
	16:37	3/24/2007	6.5	12.0	6.7	74.8	
	16:56	3/26/2007	5.0	11.4	7.4	76.2	
	7:14	3/27/2007	4.1	10.4	8.9	76.6	
	16:38	3/28/2007	4.6	11.6	8.0	75.8	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-7	7:45	3/29/2007	4.2	12.6	6.3	77.0	
	16:47	3/29/2007	4.9	12.4	6.8	76.0	
	7:40	3/30/2007	4.0	14.2	4.5	77.4	blower off
	10:50	5/30/2007	35.5	26.2	0.5	37.8	restart and run 24 hrs
	13:42	5/30/2007	28.5	21.4	1.4	48.7	
	10:15	5/31/2007	16.5	17.4	2.7	63.4	reduce to 12 on 12 off
	16:15	6/1/2007	15.0	17.0	2.7	65.3	
	15:17	6/2/2007	14.0	16.8	3.0	66.2	
	15:48	6/3/2007	13.5	16.6	3.1	66.8	
	13:54	6/4/2007	11.5	15.6	4.0	68.9	reduce to 6 on 18 off
	14:32	6/7/2007	15.0	18.0	2.1	64.9	
	16:25	6/12/2007	8.0	14.2	6.2	71.6	
	14:05	6/14/2007	9.5	15.0	5.6	69.9	
	13:45	6/19/2007	8.0	14.2	6.7	71.1	
		6/21/2007					vent closed

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-9	11:13	3/20/2006	16.8	14.0	9.7	59.5	pre-startup
	9:56	3/22/2006	42.7	27.8	0.8	28.7	
	15:42	3/22/2006	47.8	30.5	1.3	20.4	
	8:42	3/23/2006	49.0	31.4	1.0	18.6	
	16:43	3/23/2006	56.4	36.6	0.9	6.1	
	16:48	3/23/2006	38.0	28.3	1.7	32.0	
	15:10	3/24/2006	11.2	9.3	14.0	65.5	
	15:00	3/28/2006	8.8	8.9	12.8	69.5	
	19:05	3/30/2006	25.8	26.3	1.5	46.4	
	13:40	4/5/2006	14.1	17.7	7.8	60.4	
	13:20	4/6/2006	11.0	13.7	10.0	65.3	
	13:25	4/11/2006	8.9	11.8	11.2	68.1	
	10:53	4/14/2006	15.7	20.6	1.4	62.3	
	15:36	4/14/2006	12.8	19.0	2.9	65.3	
	10:20	4/17/2006	11.2	15.7	11.6	61.5	
	19:40	4/27/2006	9.6	16.8	3.7	69.9	
	13:24	5/4/2006	0.0	0.1	3.7	96.2	
	10:33	5/22/2006	6.3	17.9	4.4	71.4	
	8:38	6/9/2006	5.2	15.6	7.0	72.2	
	13:00	6/14/2006	12.4	31.0	6.1	50.5	
	11:01	6/22/2006	5.1	18.4	5.9	70.6	
	11:35	7/5/2006	5.8	20.5	4.8	68.9	
	10:48	7/10/2006	0.9	22.4	2.8	73.9	
	10:14	7/17/2006	6.0	20.6	5.6	67.8	
	14:12	7/28/2006	7.0	20.7	4.4	67.9	
	10:06	8/8/2006	5.4	19.6	5.3	69.7	
	9:25	8/16/2006	9.8	6.4	6.0	77.8	
	8:35	8/21/2006	0.4	0.8	6.9	91.9	
	2:20	8/28/2006	5.6	18.8	7.2	68.4	
	11:34	9/13/2006	0.6	1.4	6.9	91.1	
	11:31	9/25/2006	7.0	0.7	6.4	85.9	
	8:30	10/10/2006	5.9	18.2	7.4	68.5	
	8:39	10/23/2006	6.8	19.2	7.0	67.0	
	14:18	11/2/2006	4.6	14.6	7.2	73.7	
	15:13	11/14/2006	4.2	14.0	7.4	74.5	
	11:35	11/27/2006	3.2	14.0	7.4	75.4	
	13:25	12/26/2006	7.5	17.4	4.5	70.6	
	13:05	1/27/2007	6.5	14.8	6.8	71.9	
	9:30	2/15/2007	0.4	15.8	4.0	79.8	
	11:50	2/24/2007	7.0	12.2	8.6	72.2	
	9:36	3/1/2007	18.0	22.0	0.3	59.7	
	10:03	3/1/2007	11.5	18.2	2.1	68.2	
	11:09	3/1/2007	6.0	14.5	4.9	74.6	
	11:24	3/1/2007	5.5	14.4	5.3	74.8	
	12:18	3/1/2007	5.0	13.8	5.4	75.8	
	13:25	3/1/2007	2.6	12.6	6.7	78.1	
	13:35	3/1/2007	2.2	6.8	12.6	78.5	
	14:34	3/1/2007	0.7	10.6	7.9	80.9	
	7:40	3/5/2007	0.2	0.0	20.1	79.8	adjust blower time, 12 on, 12 off
	8:25	3/24/2007	7.0	15.6	5.4	72.0	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-9	17:15	3/24/2007	7.0	15.8	4.9	72.3	
	17:35	3/26/2007	5.5	15.6	4.8	74.1	
	7:45	3/27/2007	4.9	14.8	5.6	74.8	
	17:05	3/28/2007	5.5	16.0	5.0	73.5	
	8:22	3/29/2007	4.9	15.8	4.6	74.7	
	17:25	3/29/2007	5.5	16.0	4.7	73.8	
	8:20	3/30/2007	1.2	15.2	4.0	79.7	blower off
	10:27	5/30/2007	27.5	24.8	0.4	47.3	restart and run 24 hrs
	13:48	5/30/2007	23.5	24.0	0.4	52.1	
	10:00	5/31/2007	17.5	20.8	1.2	60.5	reduce to 12 on 12 off
	16:20	6/1/2007	17.0	20.8	1.0	61.2	
	15:45	6/2/2007	16.0	20.8	0.9	62.3	
	15:55	6/3/2007	16.0	20.4	1.1	62.5	
	13:58	6/4/2007	14.5	19.8	1.5	64.2	reduce to 6 on 18 off
	14:37	6/7/2007	15.0	24.0	0.6	60.4	
	16:35	6/12/2007	11.5	19.2	2.6	66.7	
	14:14	6/14/2007	11.0	19.0	2.5	67.5	
	14:05	6/19/2007	10.0	19.0	2.8	68.2	
	13:50	6/21/2007	7.5	16.6	4.8	71.1	
	13:40	7/11/2007	7.0	16.8	4.7	71.5	
	13:20	7/23/2007	7.5	17.4	4.6	70.5	
	14:15	8/8/2007	7.5	17.2	5.0	70.3	
		8/13/2007					vent closed

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
	11:05	3/20/2006	11.5	17.7	5.4	65.4	pre-startup
	9:50	3/22/2006	36.0	26.8	2.1	35.1	
	10:16	3/22/2006	34.8	24.3	1.9	39.0	
	15:28	3/22/2006	34.4	26.0	0.8	38.8	
	8:25	3/23/2006	32.9	31.0	2.1	34.0	
	16:30	3/23/2006	24.1	20.2	2.7	53.0	
	14:20	3/24/2006	4.7	4.8	17.1	73.4	
	14:10	3/28/2006	4.4	5.5	9.9	80.2	
	19:28	3/30/2006	13.1	16.7	5.8	64.4	
	13:10	4/5/2006	6.7	9.4	12.4	71.5	
	12:40	4/6/2006	6.8	9.0	12.3	71.9	
	13:00	4/11/2006	5.4	8.3	13.0	73.3	
	10:42	4/14/2006	11.3	17.8	3.6	67.3	
	15:19	4/14/2006	4.5	10.7	9.2	75.6	
	9:50	4/17/2006	2.1	6.1	14.5	77.3	
	19:16	4/27/2006	3.7	9.2	9.6	77.5	
	13:04	5/4/2006	3.8	9.8	10.4	76.0	
	10:12	5/22/2006	3.0	10.8	10.2	76.0	
	8:15	6/9/2006	3.9	11.9	11.5	72.7	
	12:29	6/14/2006	5.9	14.2	10.5	69.4	
	10:36	6/22/2006	4.3	13.2	9.7	72.8	
	12:01	7/5/2006	3.4	13.0	10.5	73.1	
	11:25	7/10/2006	5.3	20.0	4.1	70.6	
	10:45	7/17/2006	3.4	14.4	8.7	73.5	
	13:55	7/28/2006	4.5	18.1	6.5	70.9	
GV-12	9:40	8/8/2006	4.1	17.2	6.7	72.0	
	9:35	8/16/2006	0.7	2.8	17.5	79.0	
	8:14	8/21/2006	0.1	0.2	6.5	93.2	
	2:05	8/28/2006	5.3	18.7	6.7	69.3	
	11:16	9/13/2006	0.6	1.7	7.4	90.3	
	11:15	9/25/2006	12.6	27.8	2.1	57.5	
	8:15	10/10/2006	5.3	18.7	16.6	59.4	
	8:15	10/23/2006	4.7	18.7	9.0	67.6	
	14:44	11/2/2006	0.3	4.2	16.0	79.5	
	13:48	11/14/2006	5.0	16.2	4.8	74.0	
	11:22	11/27/2006	3.5	14.2	6.4	76.0	
	12:45	12/26/2006	3.9	13.2	7.6	75.4	
	13:23	1/27/2007	18.0	6.8	14.7	60.5	
	9:25	2/15/2007	0.3	0.6	19.5	79.7	
	9:37	2/15/2007	0.3	1.2	18.8	79.7	
	11:05	2/24/2007	0.4	1.2	19.3	79.1	
	9:34	3/1/2007	20.0	23.6	0.4	56.0	
	9:56	3/1/2007	19.0	23.4	0.2	57.4	
	11:07	3/1/2007	17.0	22.6	0.3	60.1	
	12:16	3/1/2007	14.5	21.4	0.2	63.9	
	13:19	3/1/2007	13.5	21.8	0.2	64.5	
	13:20	3/1/2007	15.0	22.6	0.3	62.1	
	14:27	3/1/2007	12.5	20.8	0.5	66.2	
	8:20	3/5/2007	6.0	18.2	2.1	73.7	adjust blower time, 12 on, 12 off
	8:15	3/24/2007	1.1	14.2	7.9	76.9	
	17:05	3/24/2007	0.8	14.2	7.6	77.4	

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-12	17:20	3/26/2007	0.2	11.4	9.3	79.1	
	7:36	3/27/2007	0.2	9.8	10.8	79.2	
	17:45	3/28/2007	0.5	12.0	7.7	79.8	
	8:15	3/29/2007	0.4	13.2	4.2	82.2	
	17:10	3/29/2007	0.4	12.6	6.3	80.7	
	8:15	3/30/2007	9.0	20.6	0.3	70.1	blower off
	11:07	5/30/2007	20.0	24.8	0.2	55.0	restart and run 24 hrs
	13:32	5/30/2007	13.0	24.0	0.4	62.6	
	10:40	5/31/2007	3.1	17.4	5.4	74.1	reduce to 12 on 12 off
	16:40	6/1/2007	2.5	17.2	3.6	76.7	
	15:37	6/2/2007	2.3	17.2	3.4	77.1	
	16:15	6/3/2007	1.9	16.8	2.8	78.5	
	14:20	6/4/2007	1.5	16.6	3.3	78.7	reduce to 6 on 18 off
	14:53	6/7/2007	3.9	18.2	2.2	75.8	
	17:08	6/12/2007	0.3	13.8	5.6	80.3	
	14:30	6/14/2007	0.8	15.4	1.9	81.9	
	14:20	6/19/2007	1.1	15.6	4.8	78.5	
	14:20	6/21/2007	1.5	16.8	2.7	79.0	
	14:10	7/11/2007	3.9	20.2	0.5	75.5	
	13:45	7/23/2007	4.5	20.8	0.3	74.5	
	14:21	8/8/2007	4.9	21.6	0.1	73.5	
	14:10	8/13/2007	4.1	21.6	0.0	74.4	
	13:40	8/20/2007	1.1	17.0	3.3	78.6	
	14:05	8/28/2007	0.5	15.0	4.7	79.8	
		8/31/2007					vent closed

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-1	11:03	3/20/2006	**18.8**	8.1	0.4	72.7	pre-startup
	15:25	3/22/2006	**17.9**	8.0	0.4	73.7	
	14:10	3/23/2006	**21.4**	11.5	0.2	66.9	
	14:00	3/30/2006	0.8	2.4	15.0	81.8	
	13:45	4/6/2006	0.6	1.5	16.8	81.1	
	13:40	4/11/2006	1.2	0.8	19.3	78.7	
	11:33	4/14/2006	0.0	1.9	14.7	83.4	
	10:28	4/17/2006	3.8	4.8	16.8	74.6	
	7:15	4/28/2006	2.5	3.2	18.1	76.2	
	13:30	5/4/2006	0.0	3.4	13.9	82.7	
	10:45	5/22/2006	0.1	1.2	19.3	79.4	
	12:23	6/2/2006	0.1	3.5	12.1	84.3	
	8:02	6/9/2006	2.6	2.0	19.8	75.6	
	12:49	6/14/2006	1.1	3.9	15.4	79.6	
	11:10	6/22/2006	0.7	1.0	18.1	80.2	
	11:47	7/5/2006	0.6	2.4	14.9	82.1	
	11:15	7/10/2006	0.7	4.5	14.1	80.7	
	10:35	7/17/2006	0.8	2.9	15.8	80.5	
	13:42	7/28/2006	2.0	1.7	12.2	84.1	
	10:19	8/8/2006	4.4	8.5	12.9	74.2	
	8:20	8/16/2006	1.4	3.6	15.5	79.5	
	8:05	8/21/2006	0.5	0.6	13.0	85.9	
	13:52	8/28/2006	3.4	7.6	11.2	77.8	
	11:09	9/13/2006	4.6	0.1	12.5	82.8	
	10:28	9/25/2006	0.0	0.0	10.7	89.3	
	8:05	10/10/2006	0.7	2.3	17.6	79.4	
	8:07	10/23/2006	0.7	2.7	19.0	77.6	
	14:35	11/2/2006	0.3	2.6	17.6	79.5	
	13:35	11/14/2006	0.2	2.6	15.9	81.3	
	11:08	11/27/2006	0.2	0.4	19.3	80.2	
	12:20	12/26/2006	0.1	3.6	12.3	84.1	
	13:13	1/27/2007	0.5	2.8	14.6	82.2	
	10:50	2/24/2007	0.4	0.0	20.4	79.3	
	17:29	3/28/2007	0.3	2.4	14.6	82.8	
	10:25	5/1/2007	0.2	2.2	12.6	85.1	
	10:27	5/1/2007	0.1	1.2	16.1	82.6	
	12:00	5/30/2007	2.0	7.2	7.1	83.7	
	16:35	6/6/2007	**11.0**	10.6	0.8	77.6	
	14:48	6/7/2007	**6.0**	7.6	5.7	80.7	
	16:59	6/12/2007	1.1	6.0	9.4	83.5	
	14:25	6/14/2007	**7.0**	10.4	2.1	80.5	
	14:15	6/19/2007	3.5	6.6	9.7	80.3	
	14:10	6/21/2007	0.4	6.0	10.1	83.5	
	14:00	7/11/2007	4.0	8.4	8.3	79.3	
	14:35	7/23/2007	**8.5**	13.8	2.0	75.7	
	14:25	8/8/2007	**9.5**	14.8	2.4	73.3	
	11:45	8/13/2007	**6.5**	12.4	5.6	75.5	
	13:30	8/20/2007	**5.5**	10.8	9.2	74.5	
	13:55	8/28/2007	**12.0**	15.8	2.2	70.0	
	15:40	8/31/2007	**9.5**	14.0	4.2	72.3	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-1	14:35	9/4/2007	**8.0**	13.6	4.4	74.0	
	13:05	9/17/2007	0.2	6.0	12.0	81.8	
	9:25	9/29/2007	0.2	4.6	13.9	81.4	
	8:25	10/4/2007	0.4	2.8	17.1	79.7	
	9:25	10/7/2007	0.6	3.4	15.3	80.7	
	10:15	10/18/2007	**6.5**	12.2	4.2	77.1	
	8:45	10/25/2007	0.1	3.6	15.5	80.8	
	9:00	11/1/2007	0.1	5.4	13.8	80.7	
	9:40	11/13/2007	0.2	3.8	13.7	82.4	
	11:10	11/26/2007	0.3	1.2	19.3	79.3	
	10:40	12/10/2007	0.4	1.2	19.4	79.0	
	11:25	12/26/2007	0.3	1.4	18.6	79.8	
	13:00	1/23/2008	0.3	2.8	13.9	83.0	
	9:55	1/9/2008	0.4	1.0	17.7	81.0	
	13:00	1/23/2008	0.3	2.8	13.9	83.0	
	9:00	2/4/2008	0.1	2.2	14.6	83.1	
	7:30	2/18/2008	0.2	2.0	14.8	83.0	
	7:10	3/4/2008	0.1	1.2	19.1	79.6	
	8:05	3/18/2008	0.1	0.4	19.5	80.0	
	14:00	5/12/2008	0.0	4.8	3.5	91.7	
	8:55	5/19/2008	0.1	5.8	4.5	89.7	
	13:30	5/30/2008	**7.0**	7.8	0.8	84.4	
	8:55	6/12/2008	0.0	2.2	17.0	80.8	
	8:55	6/25/2008	**10.5**	10.0	0.0	79.5	
	10:55	7/7/2008	**8.5**	11.0	0.0	80.5	opened GV-6 to 200 ft/min
	11:50	7/21/2008	**13.5**	11.8	0.0	74.7	
	9:37	8/5/2008	**26.5**	13.4	0.0	60.1	
	10:40	8/5/2008	**18.0**	11.6	2.1	68.3	vent for 1 hour with cap off
	8:55	8/13/2008	**22.5**	14.4	0.0	63.1	increase to 12 on 12 off
	9:55	8/13/2008	**17.5**	11.4	3.1	68.0	vent for 1 hour with cap off
	8:35	8/19/2008	**7.0**	12.6	3.4	77.0	
	10:00	8/19/2008	**6.0**	14.0	1.3	78.7	vent for 1 hour with cap off
	11:58	10/3/2008	4.2	7.0	11.6	77.3	
	11:12	10/13/2008	1.8	4.4	14.2	79.6	
	9:00	10/28/2008	0.0	4.6	13.6	81.8	
	7:20	11/6/2008	0.4	3.4	15.1	81.1	
	10:15	12/8/2008	0.1	2.6	16.0	81.3	
	10:00	12/24/2008	0.0	2.2	15.7	82.1	
	11:30	1/8/2009	0.1	3.4	16.8	79.8	
	11:05	1/18/2009	0.1	3.6	16.1	80.2	
	7:20	1/27/2009	0.2	1.2	20.9	77.7	
	8:20	2/6/2009	0.1	0.6	19.8	79.5	
	10:30	2/23/2009	0.0	2.2	18.5	79.3	
	10:00	3/9/2009	0.0	1.8	17.9	80.3	
	10:00	3/20/2009	0.1	1.0	19.6	79.4	
	9:35	4/9/2009	0.0	2.8	8.7	88.5	
	10:20	4/19/2009	0.0	3.6	5.2	91.2	
	8:20	5/4/2009	0.0	3.8	1.8	94.4	
	8:25	5/18/2009	0.0	5.0	5.8	89.2	
	10:00	6/1/2009	0.0	6.6	6.1	87.3	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-1	8:40	6/14/2009	0.4	5.2	8.3	86.1	
	8:30	7/2/2009	0.0	3.2	15.1	81.7	
	7:20	7/13/2009	1.0	7.4	8.9	82.8	
	8:40	7/13/2009	0.0	0.8	18.9	80.3	vent for 1 hour with cap off
	7:20	7/22/2009	0.1	5.8	11.3	82.9	
	8:35	8/11/2009	0.0	3.4	14.7	81.9	
	8:30	8/24/2009	0.0	3.6	14.7	81.7	
	9:05	9/8/2009	2.0	7.8	9.4	80.8	
	9:05	9/21/2009	1.8	6.0	12.1	80.1	
	10:05	10/5/2009	0.0	5.8	12.9	81.3	
	10:30	10/28/2009	0.0	3.8	14.2	82.0	
	10:35	11/16/2009	0.0	2.4	16.5	81.1	
	9:05	12/18/2009	0.0	3.2	14.4	82.4	
	8:40	12/28/2009	0.0	1.0	18.4	80.6	
	8:45	1/11/2010	0.0	3.2	14.1	82.7	
	8:50	1/26/2010	0.3	4.0	9.1	86.7	
	10:32	2/25/2010	0.2	4.2	7.3	88.4	
	9:35	3/8/2010	0.0	5.4	1.0	93.6	
	9:05	3/22/2010	0.0	2.6	7.2	90.2	
	9:08	4/5/2010	0.0	3.8	14.6	81.6	
	9:05	4/19/2010	0.0	4.2	7.0	88.8	
	9:05	5/3/2010	0.0	1.2	17.6	81.2	
	9:35	5/17/2010	0.2	3.4	11.8	84.6	
	13:00	5/25/2010	0.0	4.8	10.7	84.5	
	9:05	6/24/2010	0.1	7.8	8.0	84.2	
	10:05	7/6/2010	0.0	8.8	3.0	88.2	
	8:38	7/19/2010	0.6	6.4	7.8	85.3	
	8:45	8/2/2010	2.6	9.4	3.9	84.1	
	9:35	8/16/2010	3.1	12.6	1.0	83.4	
	8:40	8/30/2010	2.2	9.0	6.6	82.3	
	8:50	9/13/2010	**5.5**	12.4	1.5	80.6	
	10:40	9/28/2010	3.7	11.2	1.9	83.2	
	6:50	10/12/2010	**14.0**	15.0	0.0	71.0	
	9:05	10/25/2010	**16.5**	16.0	0.0	67.5	
	9:20	11/2/2010	0.0	5.4	9.3	85.3	
	8:35	11/15/2010	4.4	9.0	3.8	82.8	
	9:30	12/10/2010	0.0	11.2	0.1	88.7	
	8:35	12/23/2010	0.0	1.2	17.9	80.9	
	9:05	1/10/2011	0.0	2.8	14.4	82.8	
	8:15	1/25/2011	0.2	5.0	8.1	86.7	
	11:35	2/11/2011	0.1	4.0	9.4	86.6	
	9:20	2/22/2011	0.2	1.0	18.1	80.8	
	8:55	3/7/2011	0.1	1.4	13.1	85.4	
	11:30	3/24/2011	0.3	0.2	20.9	78.6	
	8:35	4/6/2011	0.1	0.2	20.1	79.6	
	10:30	4/25/2011	0.1	0.2	20.7	79.0	
	8:35	5/9/2011	0.1	3.2	11.2	85.6	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-2	9:00	3/22/2006	**29.5**	27.8	0.5	42.2	pre-startup
	14:40	3/23/2006	**29.1**	24.5	0.8	45.6	
	14:20	3/30/2006	**11.5**	13.1	10.7	64.7	
	14:05	4/6/2006	**10.3**	12.6	10.2	66.9	
	14:15	4/11/2006	**5.4**	5.7	15.3	73.6	
	11:56	4/14/2006	**6.8**	12.1	8.7	72.4	
	11:00	4/17/2006	0.0	0.0	20.7	79.3	
	9:55	4/28/2006	0.0	0.1	20.7	79.2	
	14:15	5/4/2006	1.5	18.9	3.0	76.6	
	11:15	5/22/2006	0.0	0.0	20.5	79.5	
	12:49	6/2/2006	1.0	0.1	19.7	79.2	
	9:00	6/9/2006	1.9	0.5	20.4	77.2	
	13:20	6/14/2006	4.8	1.0	20.1	74.1	
	10:00	6/22/2006	0.6	0.2	20.4	78.8	
	12:34	7/5/2006	0.7	1.5	19.9	77.9	
	11:48	7/10/2006	0.7	0.8	19.6	78.9	
	11:15	7/17/2006	0.7	1.2	18.8	79.3	
	13:05	7/28/2006	0.5	0.7	19.1	79.7	
	10:50	8/8/2006	0.6	0.2	19.6	79.6	
	7:53	8/16/2006	0.1	0.0	19.9	80.0	
	7:40	8/21/2006	0.5	0.1	20.4	79.0	
	13:40	8/28/2006	0.0	0.0	20.2	79.8	
	10:50	9/13/2006	0.1	0.1	20.2	79.6	
	10:10	9/25/2006	0.6	9.5	13.7	76.2	
	7:45	10/10/2006	0.7	1.8	19.8	77.7	
	7:46	10/23/2006	0.7	3.9	18.0	77.4	
	13:24	11/2/2006	0.5	0.3	17.6	81.6	
	12:38	11/14/2006	0.1	5.2	15.7	79.1	
	10:51	11/27/2006	0.1	0.6	20.0	79.3	
	13:55	12/26/2006	0.3	6.2	14.5	79.1	
	12:25	1/27/2007	0.3	1.6	19.1	79.1	
	12:15	2/24/2007	0.3	3.6	16.5	79.7	
	16:05	3/28/2007	0.2	2.4	18.0	79.5	
	11:07	5/1/2007	0.0	3.8	15.2	81.0	
	12:17	5/30/2007	0.0	1.2	18.5	80.3	
	13:20	6/19/2007	0.1	7.6	11.5	80.9	
	11:20	8/13/2007	0.0	0.4	20.5	79.1	
	10:54	10/18/2007	0.1	1.0	18.8	80.1	
	13:10	1/23/2008	0.4	1.2	20.2	78.2	
	7:45	6/12/2008	0.0	2.2	18.6	79.2	
	11:05	7/21/2008	0.0	0.6	20.4	79.0	
	12:34	10/3/2008	0.0	0.6	20.9	78.5	
	11:40	10/13/2008	0.0	0.4	20.9	78.7	
	11:15	1/27/2009	0.3	1.8	20.3	77.6	
	10:46	4/9/2009	0.0	0.0	20.1	79.9	
	10:40	7/22/2009	0.0	0.8	18.9	80.3	
	10:05	10/28/2009	0.0	2.2	18.1	79.7	
	10:15	1/26/2010	0.3	3.0	17.1	79.7	
	11:39	5/25/2010	0.0	0.0	19.1	80.9	
	10:10	9/28/2010	0.0	2.4	17.1	80.5	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-2	11:10	1/25/2011	0.2	0.4	20.0	79.4	
	7:45	4/25/2011	0.2	3.0	17.4	79.4	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-3	7:49	3/22/2006	1.4	1.9	19.9	76.8	pre-startup
	12:57	3/23/2006	0.6	1.2	19.3	78.9	
	15:20	3/23/2006	2.2	4.5	16.4	76.9	
	14:35	3/30/2006	2.1	7.6	11.5	78.8	
	14:30	4/6/2006	1.6	11.8	7.2	79.4	
	14:40	4/11/2006	0.4	4.0	15.6	80.0	
	12:11	4/14/2006	0.0	1.5	18.1	80.4	
	11:20	4/17/2006	1.4	0.2	20.7	77.7	
	10:50	4/28/2006	0.4	0.1	20.7	78.8	
	15:00	5/4/2006	0.0	0.0	20.4	79.6	
	11:38	5/22/2006	0.2	0.0	2.5	97.3	
	13:18	6/2/2006	0.2	0.0	20.2	79.6	
	9:09	6/9/2006	0.8	0.1	20.5	78.6	
	13:45	6/14/2006	1.1	0.1	20.4	78.4	
	11:25	6/22/2006	0.7	0.0	20.1	79.2	
	11:19	7/5/2006	0.6	0.0	20.0	79.4	
	10:37	7/10/2006	0.6	0.0	19.6	79.8	
	0:57	7/17/2006	0.1	0.0	19.0	80.9	
	12:25	7/28/2006	0.6	0.0	19.7	79.7	
	11:32	8/8/2006	0.6	0.0	19.6	79.8	
	7:35	8/16/2006	0.5	0.0	20.0	79.5	
	7:24	8/21/2006	0.0	0.0	20.3	79.7	
	13:26	8/28/2006	0.1	0.0	19.9	80.0	
	10:31	9/13/2006	0.0	0.3	20.3	79.4	
	9:56	9/25/2006	0.6	3.0	17.6	78.8	
	7:20	10/10/2006	0.5	0.9	19.8	78.8	
	7:36	10/23/2006	0.1	0.0	20.6	79.3	
	13:10	11/2/2006	0.5	0.4	20.8	78.3	
	13:00	11/14/2006	0.1	4.2	16.1	79.6	
	10:39	11/27/2006	0.1	0.4	19.4	80.2	
	13:58	12/26/2006	0.3	0.2	20.0	79.6	
	12:00	1/27/2007	0.1	0.0	19.6	80.4	
	12:30	2/24/2007	0.3	4.6	14.7	80.4	
	15:32	3/28/2007	0.1	0.0	19.9	80.0	
	10:57	5/1/2007	0.1	2.6	16.5	80.8	
	12:33	5/30/2007	0.0	0.4	18.9	80.7	
	13:30	6/19/2007	0.0	0.0	20.9	79.1	
	11:00	8/13/2007	0.0	0.0	20.9	79.1	
	10:00	10/18/2007	0.1	4.0	15.7	80.2	
	13:55	1/23/2008	0.4	0.8	20.6	78.3	
	7:05	6/12/2008	0.0	0.0	20.9	79.1	
	10:30	7/21/2008	0.0	0.0	20.9	79.1	
	12:16	10/3/2008	0.0	0.0	20.9	79.1	
	10:00	10/13/2008	0.0	0.0	20.9	79.1	
	7:50	1/27/2009	0.2	3.6	17.4	78.8	
	11:10	4/9/2009	0.0	0.0	20.2	79.8	
	8:40	7/22/2009	0.0	0.4	19.1	80.5	
	9:24	10/28/2009	0.0	0.2	19.5	80.3	
	8:09	1/26/2010	0.2	0.0	20.4	79.4	
	9:15	5/25/2010	0.0	0.0	19.1	80.9	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-3	8:50	9/28/2010	0.0	1.8	17.2	81.0	
	8:45	1/25/2011	0.2	0.2	19.8	79.8	
	8:25	4/25/2011	0.2	4.6	14.9	80.3	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-4	9:11	3/22/2006	0.0	1.4	20.4	78.2	pre-startup
	15:35	3/23/2006	0.0	0.8	19.8	79.4	
	15:40	3/30/2006	0.5	0.8	21.8	76.9	
	14:40	4/6/2006	0.8	1.3	18.9	79.0	
	14:35	4/11/2006	0.2	0.9	19.2	79.7	
	12:18	4/14/2006	0.0	1.3	18.1	80.6	
	11:35	4/17/2006	1.3	0.8	20.4	77.5	
	10:40	4/28/2006	0.0	0.5	20.2	79.3	
	15:10	5/4/2006	1.3	0.6	13.2	84.9	
	11:50	5/22/2006	0.1	0.2	20.4	79.3	
	13:10	6/2/2006	0.2	0.8	19.1	79.9	
	9:12	6/9/2006	3.4	1.2	20.2	75.2	
	14:00	6/14/2006	0.0	0.0	19.9	80.1	
	10:39	6/22/2006	**6.0**	18.8	6.4	68.8	
	11:26	7/5/2006	0.6	0.6	20.0	78.8	
	10:43	7/10/2006	0.4	3.8	19.9	75.9	
	10:08	7/17/2006	0.9	0.6	19.6	78.9	
	12:34	7/28/2006	0.6	0.4	19.6	79.4	
	9:21	8/8/2006	0.6	0.3	19.7	79.4	
	7:42	8/16/2006	0.5	0.7	19.9	78.9	
	7:28	8/21/2006	0.4	0.5	20.0	79.1	
	13:31	8/28/2006	0.5	0.5	20.1	78.9	
	10:35	9/13/2006	0.7	0.6	20.2	78.5	
	9:59	9/25/2006	0.1	0.2	19.1	80.6	
	7:24	10/10/2006	0.6	0.5	20.3	78.6	
	7:40	10/23/2006	0.4	0.0	20.4	79.2	
	13:17	11/2/2006	0.5	0.2	21.0	78.3	
	13:11	11/14/2006	0.2	1.4	19.0	79.5	
	10:42	11/27/2006	0.1	0.6	19.7	79.7	
	14:04	12/26/2006	0.3	0.8	19.6	79.4	
	12:09	1/27/2007	0.1	0.4	19.6	79.9	
	12:38	2/24/2007	0.4	1.0	19.4	79.3	
	15:40	3/28/2007	0.1	0.2	19.8	79.9	
	10:50	5/1/2007	0.0	1.2	18.2	80.6	
	12:37	5/30/2007	0.0	1.8	17.5	80.7	
	13:40	6/19/2007	0.0	0.8	20.0	79.2	
	11:05	8/13/2007	0.0	0.6	20.6	78.8	
	10:10	10/18/2007	0.1	1.2	17.9	80.8	
	13:25	1/23/2008	0.3	0.4	20.9	78.4	
	7:25	6/12/2008	0.0	0.2	20.9	78.9	
	10:45	7/21/2008	0.0	1.2	19.2	79.6	
	11:18	10/3/2008	0.0	0.0	20.9	79.1	
	10:05	10/13/2008	0.0	1.2	19.7	79.1	
	7:05	1/27/2009	0.1	1.4	20.1	78.5	
	11:15	4/9/2009	0.0	0.6	19.4	80.0	
	10:37	7/22/2009	0.0	0.6	18.9	80.5	
	9:33	10/28/2009	0.0	0.6	19.3	80.1	
	8:14	1/26/2010	0.3	0.2	20.5	79.1	
	8:11	5/25/2010	0.1	0.8	18.5	80.7	
	9:05	9/28/2010	0.0	2.2	16.6	81.2	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-4	7:20	1/25/2011	0.0	0.0	19.6	80.4	
	7:30	4/25/2011	0.2	1.6	18.9	79.3	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-5	9:13	3/22/2006	0.0	4.4	17.6	78.0	pre-startup
	14:15	3/23/2006	0.0	4.2	17.6	78.2	
	14:05	3/30/2006	1.2	2.5	18.8	77.5	
	13:40	4/6/2006	1.1	3.0	17.9	78.0	
	13:45	4/11/2006	0.7	2.7	17.5	79.1	
	12:50	4/14/2006	0.1	3.5	15.4	81.0	
	10:30	4/17/2006	0.0	3.6	16.2	80.2	
	10:35	4/28/2006	2.2	7.0	13.0	77.8	
	10:40	5/22/2006	1.5	8.5	11.2	78.8	
	12:25	6/2/2006	0.1	7.2	9.4	83.3	
	8:45	6/9/2006	0.1	0.3	10.5	89.1	
	12:18	6/14/2006	0.1	0.0	9.1	90.8	
	11:18	6/22/2006	0.7	10.7	10.5	78.1	
	11:51	7/5/2006	0.6	11.9	11.1	76.4	
	11:17	7/10/2006	0.7	12.0	10.1	77.2	
	10:22	7/17/2006	0.8	11.9	11.1	76.2	
	8:24	7/28/2006	0.6	10.1	11.5	77.8	
	10:16	8/8/2006	0.6	11.8	10.1	77.5	
	8:35	8/16/2006	0.8	10.0	10.5	78.7	
	8:02	8/21/2006	0.5	0.8	10.9	87.8	
	13:54	8/28/2006	0.6	11.3	13.3	74.8	
	11:07	9/13/2006	0.1	0.0	13.4	86.5	
	10:26	9/25/2006	0.0	0.0	13.4	86.6	
	8:52	10/10/2006	0.7	8.9	14.4	76.0	
	8:00	10/23/2006	0.3	1.4	15.5	82.8	
	14:37	11/2/2006	0.3	7.2	14.0	78.5	
	13:25	11/14/2006	0.2	6.0	14.9	78.9	
	11:10	11/27/2006	0.2	5.2	15.7	79.0	
	12:35	12/26/2006	0.1	4.8	15.7	79.5	
	13:09	1/27/2007	0.4	5.4	15.8	78.4	
	10:55	2/24/2007	0.4	4.2	17.3	78.2	
	17:30	3/28/2007	0.3	3.4	16.6	79.8	
	10:22	5/1/2007	0.1	3.4	14.0	82.5	
	12:40	5/30/2007	0.0	6.4	9.9	83.7	
	16:25	6/19/2007	0.0	7.4	12.1	80.5	
	11:39	8/13/2007	0.0	8.4	11.8	79.8	
	10:20	10/18/2007	0.1	9.6	9.4	80.9	
	13:12	1/23/2008	0.3	5.6	15.7	78.4	
	9:00	6/12/2008	0.0	6.0	9.7	84.3	
	12:05	7/21/2008	0.0	10.6	7.7	81.7	
	11:55	10/3/2008	0.0	8.2	12.7	79.1	
	11:08	10/13/2008	0.0	6.6	14.1	79.3	
	7:10	1/27/2009	0.2	3.2	14.0	82.7	
	11:02	4/9/2009	0.0	2.8	16.8	80.4	
	7:30	7/22/2009	0.0	7.8	13.0	79.2	
	10:20	10/28/2009	0.0	5.6	14.4	80.0	
	9:05	1/26/2010	0.3	4.8	16.2	78.8	
	8:40	5/25/2010	0.0	6.4	9.5	84.1	
	11:00	9/28/2010	0.0	8.8	11.6	79.6	
	8:04	1/25/2011	0.2	4.4	17.0	78.4	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-5	10:35	4/25/2011	0.2	3.0	16.0	80.8	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-6	7:45	3/22/2006	0.0	6.1	13.9	80.0	pre-startup
	15:55	3/23/2006	0.0	4.9	16.3	78.8	
	15:15	3/30/2006	0.0	1.7	18.3	80.0	
	14:25	4/6/2006	0.0	2.8	16.9	80.3	
	14:30	4/11/2006	0.7	2.8	17.3	79.2	
	12:04	4/14/2006	0.0	3.8	14.6	81.6	
	11:15	4/17/2006	**10.4**	2.3	17.6	69.7	
	10:30	4/28/2006	0.0	2.5	18.3	79.2	
	14:30	5/4/2006	0.0	2.7	17.9	79.4	
	11:30	5/22/2006	3.8	3.9	18.1	74.2	
	13:04	6/2/2006	0.2	2.4	17.2	80.2	
	9:25	6/9/2006	0.1	0.8	17.7	81.4	
	14:10	6/14/2006	1.3	3.3	16.8	78.6	
	9:50	6/22/2006	0.5	3.1	17.3	79.1	
	11:13	7/5/2006	0.5	3.6	17.1	78.8	
	10:34	7/10/2006	0.6	3.9	16.7	78.8	
	9:58	7/17/2006	0.1	0.6	16.8	82.5	
	12:10	7/28/2006	0.6	3.6	16.5	79.3	
	9:05	8/8/2006	0.6	3.5	17.0	78.9	
	7:29	8/16/2006	0.1	0.0	17.2	82.7	
	7:18	8/21/2006	0.5	3.6	18.1	77.8	
	13:21	8/28/2006	0.0	0.0	18.1	81.9	
	10:20	9/13/2006	0.6	1.0	19.1	79.3	
	11:05	9/25/2006	0.7	2.6	18.5	78.2	
	7:30	10/10/2006	0.8	2.3	19.7	77.2	
	7:34	10/23/2006	0.9	2.4	14.4	82.3	
	13:05	11/2/2006	2.4	0.8	19.7	77.1	
	13:14	11/14/2006	0.2	3.0	17.9	78.9	
	10:35	11/27/2006	0.1	0.6	19.6	79.8	
	14:20	12/26/2006	0.3	3.0	18.0	78.7	
	13:45	1/27/2007	0.2	3.4	17.0	79.5	
	12:45	2/24/2007	0.4	3.0	18.1	78.5	
	16:00	3/28/2007	0.2	2.4	18.0	79.5	
	10:45	5/1/2007	0.1	3.0	16.4	80.5	
	12:23	5/30/2007	0.0	3.2	15.8	81.0	
	16:15	6/19/2007	0.0	2.4	17.8	79.8	
	10:54	8/13/2007	0.1	2.6	18.5	78.9	
	11:14	10/18/2007	0.1	3.4	16.4	80.1	
	11:28	1/23/2008	0.0	3.0	18.0	79.0	
	6:55	6/12/2008	0.0	2.6	17.8	79.6	
	11:00	7/21/2008	0.0	3.0	15.5	81.5	
	12:53	10/3/2008	0.0	3.8	17.7	78.5	
	9:55	10/13/2008	0.0	3.4	18.2	78.4	
	10:05	1/27/2009	0.2	3.0	18.4	78.4	
	10:58	4/9/2009	0.0	3.2	16.6	80.2	
	10:20	7/22/2009	0.0	3.6	17.1	79.3	
	9:10	10/28/2009	0.0	2.6	17.2	80.2	
	8:00	1/26/2010	0.1	3.0	17.4	79.6	
	8:18	5/25/2010	0.0	2.4	16.5	81.1	
	8:42	9/28/2010	0.0	4.2	14.6	81.2	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-6	11:25	1/25/2011	0.2	0.4	20.0	79.4	
	7:00	4/25/2011	0.1	3.0	17.2	79.7	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-7	7:40	3/22/2006	1.0	7.0	13.0	79.0	pre-startup
	15:50	3/23/2006	0.1	5.0	14.7	80.2	
	15:00	3/30/2006	**7.1**	4.6	18.2	70.1	
	14:20	4/6/2006	0.1	2.3	17.0	80.6	
	14:25	4/11/2006	0.2	3.2	16.3	80.3	
	12:07	4/14/2006	0.1	5.2	11.8	82.9	
	10:15	4/17/2006	**10.5**	1.3	18.5	69.7	
	10:25	4/28/2006	0.0	1.7	19.2	79.1	
	14:25	5/4/2006	1.2	2.2	18.8	77.8	
	11:22	5/22/2006	0.0	1.0	19.5	79.5	
	13:00	6/2/2006	0.2	1.6	18.5	79.7	
	9:20	6/9/2006	3.7	2.4	20.0	73.9	
	14:05	6/14/2006	3.1	2.5	19.2	75.2	
	9:45	6/22/2006	0.5	1.7	19.1	78.7	
	11:10	7/5/2006	0.5	1.5	19.3	78.7	
	10:30	7/10/2006	0.0	0.0	18.6	81.4	
	9:55	7/17/2006	0.1	0.0	18.5	81.4	
	12:05	7/28/2006	0.0	3.7	18.5	77.8	
	9:00	8/8/2006	0.6	1.3	19.0	79.1	
	7:25	8/16/2006	0.5	1.5	19.2	78.8	
	7:16	8/21/2006	0.5	1.4	19.8	78.3	
	13:19	8/28/2006	0.4	1.2	19.5	78.9	
	10:19	9/13/2006	0.6	1.3	19.9	78.2	
	11:03	9/25/2006	1.8	2.2	17.7	78.3	
	7:28	10/10/2006	0.7	1.4	19.5	78.4	
	7:32	10/23/2006	3.0	2.8	19.0	75.2	
	13:00	11/2/2006	0.5	1.6	19.8	78.1	
	13:18	11/14/2006	0.2	3.2	17.2	79.4	
	10:30	11/27/2006	0.0	1.2	19.0	79.8	
	14:15	12/26/2006	0.3	2.6	18.0	79.1	
	13:40	1/27/2007	0.1	3.4	16.7	79.9	
	12:40	2/24/2007	0.4	3.2	17.2	79.2	
	15:55	3/28/2007	0.1	1.2	18.9	79.8	
	10:43	5/1/2007	0.1	3.6	15.1	81.2	
	12:26	5/30/2007	0.0	3.6	15.6	80.8	
	16:20	6/19/2007	0.0	2.6	17.5	79.9	
	10:50	8/13/2007	0.1	1.4	19.3	79.3	
	11:10	10/18/2007	0.1	3.6	15.5	80.8	
	11:24	1/23/2008	0.0	3.2	17.6	79.2	
	10:48	6/12/2008	0.0	1.4	18.4	80.2	
	10:55	7/21/2008	0.0	2.6	17.3	80.1	
	12:50	10/3/2008	0.0	1.8	19.6	78.6	
	9:50	10/13/2008	0.1	1.6	19.4	79.0	
	10:00	1/27/2009	0.2	3.0	18.2	78.6	
	10:58	4/9/2009	0.0	3.2	16.6	80.2	
	10:15	7/22/2009	0.0	0.4	19.1	80.5	
	9:05	10/28/2009	0.0	1.4	18.2	80.4	
	7:50	1/26/2010	0.0	0.4	20.0	79.6	
	8:14	5/25/2010	0.0	1.8	17.7	80.5	
	8:35	9/28/2010	0.0	4.0	14.3	81.7	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-7	11:20	1/25/2011	0.2	0.4	20.0	79.4	
	6:55	4/25/2011	0.1	3.2	16.6	80.1	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-8	9:03	3/22/2006	0.0	2.4	18.6	79.0	pre-startup
	14:50	3/23/2006	0.0	1.9	18.6	79.5	
	14:55	3/30/2006	3.0	7.2	14.8	75.0	
	14:10	4/6/2006	0.0	7.0	10.9	82.1	
	14:20	4/11/2006	0.0	4.8	13.6	81.6	
	12:25	4/14/2006	0.0	5.4	12.2	82.4	
	11:10	4/17/2006	0.0	0.1	20.7	79.2	
	10:00	4/28/2006	0.0	0.2	20.4	79.4	
	14:20	5/4/2006	0.0	0.2	19.3	80.5	
	11:18	5/22/2006	0.6	0.1	20.4	78.9	
	12:55	6/2/2006	0.2	0.7	19.3	79.8	
	9:03	6/9/2006	2.4	0.6	20.3	76.7	
	13:37	6/14/2006	4.0	1.6	19.6	74.8	
	9:55	6/22/2006	0.5	0.5	19.8	79.2	
	12:27	7/5/2006	1.6	0.9	19.6	77.9	
	11:45	7/10/2006	0.7	1.2	19.2	78.9	
	11:10	7/17/2006	0.6	2.3	17.7	79.4	
	12:45	7/28/2006	0.6	0.8	19.0	79.6	
	10:58	8/8/2006	**17.8**	1.3	19.1	61.8	
	7:47	8/16/2006	0.1	0.2	19.5	80.2	
	7:33	8/21/2006	0.8	1.3	19.6	78.3	
	13:35	8/28/2006	0.0	0.0	19.1	80.9	
	10:47	9/13/2006	0.0	0.0	20.1	79.9	
	10:06	9/25/2006	0.0	0.0	17.5	82.5	
	7:26	10/10/2006	0.1	0.0	19.3	80.6	
	7:44	10/23/2006	0.7	1.4	19.6	78.3	
	13:20	11/2/2006	3.7	0.3	20.5	75.5	
	13:04	11/14/2006	0.1	4.2	15.1	80.6	
	10:45	11/27/2006	0.1	0.6	19.4	79.9	
	14:09	12/26/2006	0.3	0.8	19.2	79.7	
	12:15	1/27/2007	0.2	0.0	19.7	80.1	
	12:20	2/24/2007	0.3	5.2	12.8	81.8	
	15:47	3/28/2007	0.1	0.6	19.6	79.7	
	11:00	5/1/2007	0.0	8.5	7.6	83.9	
	12:20	5/30/2007	0.0	3.4	15.2	81.4	
	13:25	6/19/2007	0.0	0.6	20.2	79.2	
	11:10	8/13/2007	0.0	1.0	19.8	79.2	
	11:05	10/18/2007	0.1	6.0	11.5	82.4	
	11:38	1/23/2008	0.1	1.0	19.2	79.8	
	7:35	6/12/2008	0.0	0.6	20.7	78.7	
	10:50	7/21/2008	0.0	1.0	19.3	79.7	
	12:45	10/3/2008	0.0	0.4	20.9	78.7	
	10:10	10/13/2008	0.0	1.4	19.4	79.2	
	10:10	1/27/2009	0.3	1.8	19.0	78.9	
	10:51	4/9/2009	0.0	0.4	19.4	80.2	
	10:27	7/22/2009	0.0	0.8	18.8	80.4	
	10:00	10/28/2009	0.0	1.8	17.8	80.4	
	9:30	1/26/2010	0.3	0.4	20.0	79.4	
	8:25	5/25/2010	0.0	1.0	18.4	80.6	
	9:11	9/28/2010	0.0	5.4	12.7	81.9	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-8	11:15	1/25/2011	0.2	0.4	20.0	79.4	
	7:40	4/25/2011	0.2	4.4	14.4	81.0	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-10	8:58	3/22/2006	0.0	4.5	15.4	80.1	pre-startup
	14:42	3/23/2006	0.0	4.3	15.5	80.2	
	14:50	3/30/2006	0.0	1.6	18.7	79.7	
	14:15	4/6/2006	0.0	2.3	17.1	80.6	
	13:55	4/11/2006	0.0	1.5	18.3	80.2	
	11:54	4/14/2006	0.0	1.9	17.4	80.7	
	10:50	4/17/2006	0.0	3.0	16.5	80.5	
	9:50	4/28/2006	0.0	3.6	15.0	81.4	
	14:00	5/4/2006	0.0	3.4	15.4	81.2	
	11:04	5/22/2006	0.0	1.3	19.0	79.7	
	12:45	6/2/2006	0.1	1.8	17.6	80.5	
	8:55	6/9/2006	0.7	0.9	19.6	78.8	
	13:15	6/14/2006	0.0	0.0	17.7	82.3	
	10:05	6/22/2006	0.6	0.8	19.9	78.7	
	12:38	7/5/2006	0.6	5.3	14.9	79.2	
	11:50	7/10/2006	0.6	5.5	14.6	79.3	
	11:19	7/17/2006	0.6	1.4	19.4	78.6	
	13:09	7/28/2006	0.6	1.0	19.2	79.2	
	11:11	8/8/2006	0.6	4.7	14.7	80.0	
	7:58	8/16/2006	0.1	0.2	16.4	83.3	
	7:44	8/21/2006	0.4	3.5	17.3	78.8	
	13:42	8/28/2006	0.0	0.0	17.7	82.3	
	10:53	9/13/2006	0.6	2.4	18.6	78.4	
	10:12	9/25/2006	0.7	5.5	16.0	77.8	
	7:48	10/10/2006	0.7	5.3	19.2	74.8	
	7:48	10/23/2006	0.6	5.0	17.5	76.9	
	13:31	11/2/2006	0.6	4.3	17.3	77.8	
	12:35	11/14/2006	0.1	4.2	16.3	79.5	
	10:55	11/27/2006	0.1	4.0	16.8	79.1	
	13:50	12/26/2006	0.3	4.2	16.7	78.9	
	12:35	1/27/2007	0.3	4.0	17.2	78.5	
	12:10	2/24/2007	sampling port clogged with ice				
	16:10	3/28/2007	0.2	3.2	17.5	79.2	
	11:10	5/1/2007	0.0	3.8	15.7	80.5	
	12:15	5/30/2007	0.0	3.4	16.0	80.6	
	13:15	6/19/2007	0.1	1.8	18.7	79.5	
	11:24	8/13/2007	0.0	1.0	19.4	79.6	
	10:50	10/18/2007	0.1	2.4	16.9	80.6	
	14:20	1/23/2008	0.4	2.8	18.8	78.0	
	7:55	6/12/2008	0.0	4.0	16.0	80.0	
	11:15	7/21/2008	0.0	4.6	12.6	82.8	
	12:30	10/3/2008	0.0	5.0	16.4	78.6	
	11:50	10/13/2008	0.0	4.6	16.4	79.0	
	11:30	1/27/2009	0.3	3.4	18.2	78.1	
	10:41	4/9/2009	0.0	3.2	16.6	80.2	
	10:47	7/22/2009	0.0	2.8	17.2	80.0	
	10:05	10/28/2009	0.0	2.8	17.5	79.7	
	10:30	1/26/2010	0.3	0.8	19.6	79.3	
	11:50	5/25/2010	0.0	0.4	19.0	80.6	
	10:16	9/28/2010	0.0	1.8	17.7	80.5	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-10	11:00	1/25/2011	0.2	0.4	20.0	79.4	
	7:50	4/25/2011	0.2	3.4	17.0	79.4	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-11	9:09	3/22/2006	0.0	3.5	17.6	78.9	pre-startup
	14:27	3/23/2006	0.0	3.4	17.6	79.0	
	14:40	3/30/2006	0.0	0.8	19.7	79.5	
	13:55	4/6/2006	0.0	1.7	18.0	80.3	
	14:00	4/11/2006	0.0	0.7	19.8	79.5	
	11:43	4/14/2006	0.0	0.5	18.9	80.6	
	10:55	4/17/2006	0.3	0.1	20.4	79.2	
	7:30	4/28/2006	0.0	0.7	20.2	79.1	
	14:05	5/4/2006	0.0	0.0	19.9	80.1	
	11:07	5/22/2006	2.6	0.3	20.4	76.7	
	12:34	6/2/2006	1.0	0.1	20.4	78.5	
	9:45	6/9/2006	4.9	0.6	20.2	74.3	
	13:23	6/14/2006	0.8	0.3	20.0	78.9	
	10:10	6/22/2006	0.6	0.0	20.4	79.0	
	12:41	7/5/2006	0.5	1.4	18.5	79.6	
	11:55	7/10/2006	0.6	2.5	18.6	78.3	
	11:21	7/17/2006	0.5	1.5	18.1	79.9	
	13:15	7/28/2006	0.1	0.2	18.2	81.5	
	10:36	8/8/2006	0.6	2.2	17.8	79.4	
	8:01	8/16/2006	0.1	0.0	17.9	82.0	
	7:46	8/21/2006	0.5	2.4	19.0	78.1	
	13:45	8/28/2006	0.6	2.6	18.6	78.2	
	10:55	9/13/2006	0.1	2.7	19.2	78.0	
	10:14	9/25/2006	0.7	2.1	19.0	78.2	
	8:00	10/10/2006	0.7	2.0	18.5	78.8	
	7:52	10/23/2006	0.7	1.0	20.6	77.7	
	13:34	11/2/2006	0.6	1.5	19.8	78.1	
	12:44	11/14/2006	0.1	2.0	18.4	79.6	
	10:58	11/27/2006	0.1	1.0	19.6	79.3	
	13:40	12/26/2006	0.3	2.0	18.4	79.4	
	12:41	1/27/2007	0.4	2.6	18.2	78.9	
	11:10	2/24/2007	0.4	2.6	18.1	78.9	
	16:14	3/28/2007	0.2	2.6	17.8	79.5	
	11:15	5/1/2007	0.0	3.4	15.9	80.7	
	12:06	5/30/2007	0.0	3.0	16.8	80.2	
	13:05	6/19/2007	0.1	2.8	18.3	78.8	
	11:27	8/13/2007	0.0	2.2	18.8	79.0	
	10:34	10/18/2007	0.1	2.8	17.0	80.1	
	12:10	1/23/2008	0.2	2.4	19.2	78.2	
	8:05	6/12/2008	0.0	2.6	18.0	79.4	
	11:20	7/21/2008	0.0	3.4	16.6	80.0	
	12:23	10/3/2008	0.0	2.0	19.4	78.6	
	12:00	10/13/2008	0.0	2.2	19.1	78.7	
	10:45	1/27/2009	0.3	3.0	18.5	78.2	
	9:50	4/9/2009	0.0	3.4	16.8	79.8	
	10:53	7/22/2009	0.0	2.0	18.1	79.9	
	10:11	10/28/2009	0.0	2.4	17.9	79.7	
	9:15	1/26/2010	0.3	2.6	18.5	78.6	
	8:30	5/25/2010	0.0	3.2	16.5	80.3	
	10:25	9/28/2010	0.0	3.0	16.8	80.2	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-11	10:29	1/25/2011	0.2	3.6	16.6	79.6	
	7:55	4/25/2011	0.2	4.0	17.2	78.6	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-12	9:06	3/22/2006	0.0	5.7	13.0	81.3	pre-startup
	14:22	3/23/2006	0.0	5.5	13.2	81.3	
	14:20	3/30/2006	0.0	2.6	17.7	79.7	
	13:50	4/6/2006	0.2	2.1	17.3	80.4	
	13:50	4/11/2006	0.0	2.5	17.1	80.4	
	11:40	4/14/2006	0.0	2.5	15.5	82.0	
	10:45	4/17/2006	1.4	3.7	18.4	76.5	
	12:20	4/28/2006	0.0	2.4	18.0	79.6	
	13:54	5/4/2006	0.0	0.0	17.3	82.7	
	11:00	5/22/2006	1.4	2.7	17.5	78.4	
	12:28	6/2/2006	0.1	1.8	17.4	80.7	
	8:50	6/9/2006	0.9	2.1	19.2	77.8	
	13:10	6/14/2006	0.1	0.0	17.5	82.4	
	10:20	6/22/2006	0.5	2.2	18.2	79.1	
	11:57	7/5/2006	0.6	2.2	18.2	79.0	
	11:22	7/10/2006	0.6	2.7	18.2	78.5	
	10:39	7/17/2006	0.7	2.6	17.5	79.2	
	13:28	7/28/2006	0.6	1.5	18.2	79.7	
	11:22	8/8/2006	0.6	2.6	17.5	79.3	
	8:58	8/16/2006	4.1	18.6	10.0	67.3	
	8:44	8/21/2006	0.6	3.2	18.5	77.7	
	14:26	8/28/2006	0.0	0.0	19.4	80.6	
	11:42	9/13/2006	0.1	0.9	17.9	81.1	
	11:40	9/25/2006	0.8	3.4	16.8	79.0	
	8:47	10/10/2006	0.7	3.8	17.6	77.9	
	8:50	10/23/2006	0.7	4.1	16.4	78.8	
	14:55	11/2/2006	3.9	14.0	7.7	74.5	
	15:30	11/14/2006	0.3	3.6	16.7	79.5	
	11:05	11/27/2006	0.2	2.4	18.0	79.5	
	13:35	12/26/2006	0.3	3.8	15.7	80.3	
	13:18	1/27/2007	0.4	3.8	15.7	80.1	
	12:00	2/24/2007	0.2	3.2	16.6	80.0	
	17:40	3/28/2007	0.2	3.4	16.4	80.0	
	10:30	5/1/2007	0.1	2.6	16.1	81.3	
	12:02	5/30/2007	0.0	2.8	16.0	81.2	
	16:30	6/19/2007	0.0	2.8	18.1	79.1	
	11:35	8/13/2007	0.0	2.6	18.3	79.1	
	10:26	10/18/2007	0.1	4.0	15.2	80.7	
	13:08	1/23/2008	0.3	7.2	12.2	80.3	
	9:10	6/12/2008	0.0	2.4	17.1	80.5	
	11:45	7/21/2008	0.0	2.6	17.0	80.4	
	12:00	10/3/2008	0.0	4.0	17.6	78.4	
	11:30	10/13/2008	0.0	3.0	18.0	79.0	
	7:15	1/27/2009	0.2	5.6	15.3	78.9	
	9:44	4/9/2009	0.0	3.4	15.8	80.8	
	7:35	7/22/2009	0.0	2.4	17.9	79.7	
	11:15	10/28/2009	0.0	3.2	16.4	80.4	
	9:10	1/26/2010	0.3	5.2	14.9	79.7	
	11:55	5/25/2010	0.0	2.4	16.1	81.5	
	11:10	9/28/2010	0.0	4.0	15.3	80.7	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-12	8:19	1/25/2011	0.3	5.4	14.6	79.7	
	11:00	4/25/2011	0.1	3.2	16.1	80.6	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-101	9:24	3/23/2006	2.9	18.1	0.8	78.2	pre-startup
	14:25	3/30/2006	1.0	8.0	10.9	80.1	
	14:00	4/6/2006	0.8	0.2	20.0	79.0	
	14:05	4/11/2006	0.0	0.0	20.3	79.7	
	11:50	4/14/2006	0.0	1.8	17.9	80.3	
	10:58	4/17/2006	2.0	0.3	20.5	77.2	
	7:35	4/28/2006	0.0	0.0	20.7	79.3	
	14:10	5/4/2006	0.0	0.0	20.2	79.8	
	11:10	5/22/2006	0.0	0.0	20.5	79.5	
	12:38	6/2/2006	0.2	0.0	20.4	79.4	
	9:50	6/9/2006	1.1	0.2	20.5	78.2	
	13:48	6/14/2006	4.1	0.3	20.4	75.2	
	10:15	6/22/2006	0.0	0.0	20.4	79.6	
	12:46	7/5/2006	0.6	20.0	20.0	59.4	
	12:00	7/10/2006	0.6	0.0	20.0	79.4	
	11:30	7/17/2006	0.0	0.0	19.8	80.2	
	13:20	7/28/2006	0.6	0.0	19.3	80.1	
	10:41	8/8/2006	0.8	0.0	19.8	79.4	
	8:05	8/16/2006	0.1	0.0	19.6	80.3	
	7:52	8/21/2006	0.9	0.1	20.4	78.6	
	13:47	8/28/2006	0.6	0.1	20.2	79.1	
	10:57	9/13/2006	0.6	0.2	19.8	79.4	
	10:16	9/25/2006	0.6	0.2	20.2	79.0	
	8:03	10/10/2006	0.7	0.2	20.5	78.6	
	7:55	10/23/2006	0.9	0.7	19.8	78.6	
	15:00	11/2/2006	0.3	0.0	20.8	78.9	
	12:48	11/14/2006	0.1	0.4	19.4	80.1	
	11:00	11/27/2006	0.1	0.2	20.0	79.7	
	13:45	12/26/2006	0.3	0.0	19.3	80.5	
	12:45	1/27/2007	0.4	0.6	20.0	79.1	
	11:14	2/24/2007	0.5	0.6	20.1	78.9	
	16:18	3/28/2007	0.2	0.2	20.1	79.5	
	11:19	5/1/2007	0.0	0.2	18.8	81.0	
	12:08	5/30/2007	0.0	0.2	18.9	80.9	
	13:10	6/19/2007	0.1	0.0	20.9	79.1	
	11:30	8/13/2007	0.0	0.0	20.9	79.1	
	10:37	10/18/2007	0.1	0.0	19.6	80.4	
	12:18	1/23/2008	0.2	5.8	14.4	79.6	
	14:45	5/12/2008	0.0	0.0	19.8	80.2	
	8:15	6/12/2008	0.0	0.0	20.9	79.1	
	11:30	7/21/2008	0.0	0.0	20.9	79.1	
	12:20	10/3/2008	0.0	0.4	20.9	78.7	
	12:05	10/13/2008	0.0	0.0	20.9	79.1	
	10:40	1/27/2009	0.3	4.8	15.7	79.3	
	11:57	4/9/2009	0.0	0.0	19.9	80.1	
	10:57	7/22/2009	0.0	0.0	19.4	80.6	
	10:16	10/28/2009	0.0	0.6	19.6	79.8	
	9:20	1/26/2010	0.3	0.8	19.4	79.5	
	8:34	5/25/2010	0.0	0.0	19.3	80.7	
	10:32	9/28/2010	0.0	1.0	17.7	81.3	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-101	10:45	1/25/2011	0.2	0.4	20.0	79.4	
	8:00	4/25/2011	0.2	0.4	20.9	78.5	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-102	14:20	3/23/2006	0.0	0.7	20.5	78.8	pre-startup
	14:15	3/30/2006	1.0	0.5	20.6	77.9	
	13:35	4/6/2006	1.0	0.6	20.3	78.1	
	13:43	4/11/2006	0.5	0.3	19.7	79.5	
	11:50	4/14/2006	0.0	0.3	18.6	81.1	
	10:34	4/17/2006	0.8	0.7	20.1	78.4	
	14:00	4/28/2006	0.0	0.0	20.7	79.3	
	13:35	5/4/2006	0.0	0.2	20.5	79.3	
	10:42	5/22/2006	0.2	0.1	2.4	97.3	
	8:48	6/9/2006	0.0	0.0	19.8	80.2	
	12:20	6/14/2006	0.1	0.0	19.5	80.4	
	11:20	6/22/2006	0.7	0.1	19.9	79.3	
	11:53	7/5/2006	0.6	0.0	20.0	79.4	
	11:19	7/10/2006	0.6	4.7	15.1	79.6	
	10:20	7/17/2006	0.9	0.8	19.0	79.3	
	12:40	7/28/2006	0.6	0.6	18.6	80.2	
	10:13	8/8/2006	0.6	1.2	18.5	79.7	
	8:42	8/16/2006	0.1	0.0	17.7	82.2	
	8:00	8/21/2006	0.1	0.0	18.5	81.4	
	13:55	8/28/2006	0.6	1.8	18.8	78.8	
	11:05	9/13/2006	0.1	0.0	19.5	80.4	
	10:25	9/25/2006	0.1	0.0	19.2	80.7	
	8:44	10/10/2006	0.7	1.0	19.6	78.7	
	8:05	10/23/2006	0.8	0.4	19.6	79.2	
	14:42	11/2/2006	0.3	0.0	20.8	78.9	
	13:30	11/14/2006	0.2	0.2	20.0	79.6	
	11:12	11/27/2006	0.2	0.0	20.2	79.7	
	12:39	12/26/2006	0.1	0.0	20.0	79.9	
	13:10	1/27/2007	0.4	0.2	20.2	79.2	
	11:00	2/24/2007	0.4	0.2	20.6	78.9	
	17:35	3/28/2007	0.2	0.2	20.0	79.6	
	10:24	5/1/2007	0.0	1.4	17.0	81.6	
	11:57	5/30/2007	0.0	1.4	16.7	81.9	
	16:00	6/19/2007	0.0	0.0	20.6	79.4	
	11:42	8/13/2007	0.0	2.8	16.6	80.6	
	10:24	10/18/2007	0.1	4.2	15.0	80.7	
	14:05	1/23/2008	0.4	1.2	20.9	77.5	
	9:05	6/12/2008	0.0	0.6	18.9	80.5	
	12:10	7/21/2008	0.0	1.6	16.4	82.0	
	11:52	10/3/2008	0.0	3.6	16.8	79.6	
	11:03	10/13/2008	0.0	18.7	1.8	79.5	
	11:00	1/27/2009	0.3	1.0	20.8	78.0	
	9:29	4/9/2009	0.0	0.4	19.1	80.5	
	11:35	7/22/2009	0.0	1.8	16.1	82.1	
	10:25	10/28/2009	0.0	2.6	17.4	80.0	
	10:40	1/26/2010	0.3	2.2	18.4	79.1	
	8:44	5/25/2010	0.0	1.4	16.8	81.8	
	11:05	9/28/2010	0.0	4.6	14.1	81.3	
	8:08	1/25/2011	0.2	1.2	19.2	79.4	
	10:10	4/25/2011	0.1	0.2	20.7	79.0	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-103	7:49	3/23/2006	0.0	0.2	21.8	78.0	pre-startup
	15:30	3/30/2006	0.0	1.9	18.2	79.9	
	14:35	4/6/2006	0.4	8.0	9.4	82.2	
	14:40	4/11/2006	0.0	6.4	10.8	82.8	
	12:15	4/14/2006	0.0	3.2	15.6	81.2	
	11:30	4/17/2006	0.0	0.0	20.7	79.3	
	10:45	4/28/2006	0.0	0.0	20.5	79.5	
	15:05	5/4/2006	0.4	0.0	13.5	86.1	
	11:42	5/22/2006	0.2	0.0	20.6	79.2	
	13:14	6/2/2006	0.2	0.0	20.1	79.7	
	9:10	6/9/2006	1.1	0.1	20.5	78.3	
	13:30	6/14/2006	0.6	0.3	20.4	78.7	
	11:28	6/22/2006	0.7	0.0	20.2	79.1	
	11:27	7/5/2006	0.6	0.0	20.4	79.0	
	10:40	7/10/2006	0.0	0.0	19.9	80.1	
	10:06	7/17/2006	0.8	0.4	19.4	79.4	
	12:30	7/28/2006	0.6	0.0	19.9	79.5	
	9:17	8/8/2006	0.6	0.0	19.9	79.5	
	7:34	8/16/2006	0.1	0.0	19.9	80.0	
	7:25	8/21/2006	0.5	0.0	20.1	79.4	
	13:29	8/28/2006	0.1	0.0	20.3	79.6	
	10:34	9/13/2006	0.0	0.0	20.4	79.6	
	9:57	9/25/2006	0.0	0.1	19.3	80.6	
	7:22	10/10/2006	0.5	0.2	20.4	78.9	
	7:38	10/23/2006	0.6	0.0	20.8	78.6	
	13:14	11/2/2006	0.0	0.3	21.0	78.7	
	13:08	11/14/2006	0.2	9.2	11.2	79.5	
	10:40	11/27/2006	0.1	0.0	20.1	79.9	
	14:00	12/26/2006	0.3	0.2	20.1	79.5	
	12:05	1/27/2007	0.1	0.0	19.8	80.2	
	12:34	2/24/2007	0.4	4.2	16.3	79.2	
	15:35	3/28/2007	0.1	0.0	20.0	79.9	
	10:52	5/1/2007	0.1	0.8	18.7	80.4	
	12:40	5/30/2007	0.0	0.4	18.9	80.7	
	13:35	6/19/2007	0.0	0.0	20.9	79.1	
	11:05	8/13/2007	0.0	0.0	20.9	79.1	
	10:05	10/18/2007	0.1	1.2	18.5	80.2	
	13:45	1/23/2008	0.4	0.2	20.9	78.5	
	7:15	6/12/2008	0.0	0.4	20.9	78.7	
	10:40	7/21/2008	0.0	0.0	20.9	79.1	
	11:20	10/3/2008	0.0	0.0	20.9	79.1	
	10:05	10/13/2008	0.0	0.4	20.7	78.9	
	7:00	1/27/2009	0.0	0.0	20.9	79.1	
	11:17	4/9/2009	0.0	0.0	20.0	80.0	
	10:32	7/22/2009	0.0	0.4	19.6	80.0	
	9:27	10/28/2009	0.0	0.0	19.8	80.2	
	8:14	1/26/2010	0.3	2.2	18.0	79.5	
	8:08	5/25/2010	0.0	0.0	19.3	80.7	
	8:57	9/28/2010	0.0	0.0	18.9	81.1	
	7:15	1/25/2011	0.0	0.2	19.4	80.4	

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-103	7:25	4/25/2011	0.2	3.0	17.5	79.3	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
MW-104	9:29	3/23/2006	**12.8**	18.5	0.8	67.9	pre-startup
	15:45	3/30/2006	0.0	0.0	20.7	79.3	
	13:10	4/6/2006	**6.8**	8.9	10.5	73.8	
	14:50	4/11/2006	4.1	7.1	9.2	79.6	
	11:40	4/17/2006	2.0	0.3	21.0	76.7	
	14:10	4/28/2006	0.0	0.0	20.7	79.3	
	15:40	5/4/2006	0.0	0.0	8.1	91.9	
	10:27	5/22/2006	0.0	0.1	19.9	80.0	
	8:32	6/9/2006	0.0	0.0	19.6	80.4	
	12:45	6/14/2006	3.2	0.8	18.8	77.2	
	10:54	6/22/2006	0.8	0.1	19.7	79.4	
	12:19	7/5/2006	0.6	0.0	20.0	79.4	
	11:40	7/10/2006	0.7	0.6	19.8	78.9	
	11:05	7/17/2006	0.1	0.0	19.6	80.3	
	12:38	7/28/2006	0.6	0.0	19.8	79.6	
	9:49	8/8/2006	0.6	0.0	20.0	79.4	
	9:14	8/16/2006	0.7	0.2	19.4	79.7	
	8:30	8/21/2006	0.1	0.3	18.1	81.5	
	14:16	8/28/2006	0.0	0.0	17.6	82.4	
	11:29	9/13/2006	0.7	0.2	16.8	82.3	
	11:27	9/25/2006	0.0	0.2	19.5	80.3	
	8:27	10/10/2006	0.7	13.1	4.3	81.9	
	8:30	10/23/2006	0.7	0.3	16.7	82.3	
	14:14	11/2/2006	0.3	0.0	20.6	79.1	
	15:06	11/14/2006	0.2	0.6	19.4	79.8	
	12:04	11/27/2006	0.2	3.0	17.6	79.2	
	13:15	12/26/2006	0.2	0.0	20.0	79.9	
	14:16	1/27/2007	0.1	0.0	19.4	80.5	
	11:35	2/24/2007	0.5	12.8	5.6	81.1	
	16:55	3/28/2007	0.2	0.2	20.0	79.6	
	11:45	5/1/2007	0.0	0.0	18.9	81.1	
	11:48	5/30/2007	0.0	0.0	19.0	81.0	
	15:30	6/19/2007	0.0	0.0	20.9	79.1	
	12:05	8/13/2007	0.0	0.0	20.9	79.1	
	9:50	10/18/2007	0.1	0.0	19.6	80.3	
	13:20	1/23/2008	0.3	0.6	20.6	78.5	
	9:25	6/12/2008	0.0	0.0	20.9	79.1	
	12:30	7/21/2008	0.0	0.0	20.9	79.1	
	11:37	10/3/2008	0.0	0.0	20.9	79.1	
	10:45	10/13/2008	0.0	0.2	20.9	78.9	
	10:50	1/27/2009	0.2	14.6	3.9	81.3	
	11:40	4/9/2009	0.0	1.2	19.2	79.6	
	7:50	7/22/2009	0.0	0.0	19.6	80.4	
	9:48	10/28/2009	0.0	0.0	20.0	80.0	
	8:25	1/26/2010	0.4	0.2	20.4	79.1	
	11:30	5/25/2010	0.0	0.0	19.3	80.7	
	9:25	9/28/2010	0.0	0.2	18.6	81.2	
	7:45	1/25/2011	0.2	0.6	19.6	79.6	
	8:21	4/25/2011	0.2	0.4	20.5	78.9	

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
System Exhaust	2:00	3/28/2006	4.4	4.0	17.8	73.8	
	12:52	5/4/2006	8.6	14.7	7.4	69.3	
	11:15	6/28/2006	5.9	14.5	9.5	70.1	
	11:45	7/5/2006	6.1	18.7	7.2	68.0	
	11:12	7/10/2006	6.7	21.7	5.1	66.5	
	10:31	7/17/2006	6.2	18.6	6.5	68.7	
	14:24	7/28/2006	2.1	19.2	6.1	72.6	
	10:23	8/8/2006	5.9	18.0	6.8	69.3	
	8:30	8/16/2006	6.8	17.3	7.3	68.6	
	8:07	8/21/2006	6.9	18.0	7.6	67.5	
	14:00	8/28/2006	7.1	18.6	7.3	67.0	
	11:13	9/13/2006	15.2	20.0	8.1	56.7	
	11:37	9/25/2006	14.2	24.3	4.8	56.7	
	8:09	10/10/2006	7.4	19.2	8.2	65.2	
	8:13	10/23/2006	12.8	16.3	9.1	61.8	
	9:00	11/2/2006	5.0	14.0	8.2	72.8	
	13:43	11/14/2006	4.4	10.4	10.6	74.6	
	11:19	11/27/2006	3.8	10.2	10.8	75.2	
	12:31	12/26/2006	6.5	14.8	6.9	71.8	
	13:30	1/27/2007	8.0	15.8	6.4	69.8	
	10:45	2/24/2007	6.0	11.6	10.0	72.4	
	7:35	3/5/2007	0.1	0.2	19.8	79.9	
	8:20	3/24/2007	9.0	12.6	9.7	68.7	
	17:10	3/24/2007	8.5	12.6	9.4	69.5	
	17:25	3/26/2007	6.5	11.4	9.8	72.3	
	7:39	3/27/2007	6.5	11.2	10.2	72.1	
	17:25	3/28/2007	6.5	10	11.6	71.9	
	8:16	3/29/2007	5.5	8.8	12.3	73.4	
	17:15	3/29/2007	5	8.6	12.3	74.1	
	16:09	6/19/2007	12.5	18.2	4.6	64.7	
	11:55	8/13/2007	13.5	20.2	4.1	62.2	
	9:12	10/19/2007	7.5	16.2	5	71.3	
	12:50	1/23/2008	8.5	15.6	7.1	68.8	
	8:55	6/12/2008	8.0	15.2	7.3	69.5	
	12:03	7/21/2008	9.5	17.0	5.6	67.9	
	11:15	10/13/2008	6.5	9.8	12.0	71.7	
	7:20	1/27/2009	3.8	6.4	15.7	74.2	
	9:37	4/9/2009	6.5	7.6	13.3	72.6	
	7:40	7/22/2009	5	7.8	12.8	74.4	
	10:35	10/28/2009	6.5	7.4	13.9	72.2	
	7:20	1/27/2009	3.75	6.4	15.7	74.15	
	13:15	5/25/2010	5	5.2	15.2	74.6	
	10:45	9/28/2010	6.5	5.4	15.3	72.8	
	8:11	1/25/2011	4.4	4.2	17.1	74.3	
	10:40	4/25/2011	24	5.5	16.3	54.2	

Table 7. Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
GP-3	9/29/04	102		689					909			110	6660	229	131								205					25400	
	1/28/05			450					590				4500															12600	
	6/2/06												464			105					708							72.9	85.8
	11/2/06			5.9									28.7			19					122								50.1
	5/30/07	1.3	3					2.4	2				7.1			9				0.86	7.4		1			1.9	3.1		25
	8/9/07																												
	10/22/2007												135								33							24.4	
	1/23/2008								3.4				7.3										2.2						
	7/22/2008						1.6														0.74								
	10/7/2008								7.2				1.9		1.4		1.1		0.87		2.7								1.9
	1/27/2009								3.6								1.9												
	4/16/2009																				0 95								
	7/27/2009				0.83												109				19.4						1.2		0.76
	10/27/2009								1.7				5.7	0.82							0.95		6.5						
	2/25/2010				0.86												28				1.7								
	5/25/2010					8 2											15.8						6.2						
	10/12/2010								0.96								299				4.2								
	1/25/2011																1												
	4/25/2011								6.5				19	3			52 2			1.3	3.4		18.4						

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2011\April 2011\Tables\Table 7 Gas VOCs xls

Table 7. Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
GV-6	7/28/2006	172	117	373					1070	42.6			19		281	323					107	27.9		38				3590	649.5
	11/2/2006	50.2	50.4	73.5					166	35.8					70.4	246					155					45	33.7	84.9	666
	2/23/2007								111	24.4					44.3			7.4			7	33.5		17.6					
	5/30/2007	32		190					160	21			19		120	73					56							150	151
	8/9/2007	75.8	127	255				27.6	119	35			22.4		72.5	543					84.6					98.9	88	54.5	1123
	10/22/2007			32					82	68.9			33.9		23	16.3					41.1	29.9		42.3					29
	1/23/2008			87.6					375	64.8			16		69.5							40		41.4					
	7/22/2008	15.3	16.8	84.7					95.5	83.1					58.4	66.2		22.8				63.4							112
	10/7/2008			43					93.6						21.4														
	1/27/2009																8						1.8						
	4/16/2009								3.1								238				1.7					0.85			
	7/27/2009								61.9	28					16.7		502		38.5										
	10/27/2009	17.7		78.7					40.6						77.7	34	32.7				48					39			107.60
	2/25/2010								133						132														
	5/25/2010			1.5					3	1.1							3				1.3								
	10/12/2010	1.9		11.8					5.3	1.6							23												
	1/25/2011																3.6												
	4/25/2011								192						184		4260				86								

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2011\April 2011\Tables\Table 7 Gas VOCs xls

Table 7. Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
LC-1	9/29/04			9.1					70.8						9.5														
	1/28/05								553				1080		178													130	
	7/28/2006	117							71.6						168	149					118								563
	11/2/2006	92.6	16.4	54.3					62.4	27.7			1010		30.5	636				22.1	3010		46.9			38.1	29.8		1954
	2/23/2007	48							129						14.6	64.2		21			40.8								175.2
	5/30/2007	160		270					180	24						380	500				270					57	43		1140
	8/9/2007	76.4	21.8	108					118	17.4					34.8	216	106				46.1					32.3	21		489.8
	10/22/2007	51.1	150	86.9					170	49.3					38	328	15.9				38.7					47.5	39.4		546.7
	1/23/2008																												
	7/22/2008	31.6	84.8	48.7					13.5	48.5			1.4		13.1	235		23		3.5		6.4	2.2	2.4	0.95	18	12.1		409.8
	10/7/2008	11.2		27.2					2.8	26.4			1.3				1.8				1.9	1.9	1.4	1.1					
	1/27/2009			7.6													3.3						4						
	4/16/2009								1.1				1.3				1.8				0.94								
	7/27/2009	1.5															7.1			1.2	1.5					3.6	1.7		6.4
	10/27/2009			267					388							384													626
	2/25/2010			123					176	19.2					88.9														
	5/25/2010	3.4		62.4					24.1																	1.3			
	10/12/2010	3.1		14.2					43.4	1.1					16.3	4.9	34.6				6.2					3.8	1.4		4.7
	1/25/2011																5.4												
	4/25/2011	83.2	74.9						542	70.7					193	193	665				68.8								309

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2011\April 2011\Tables\Table 7 Gas VOCs.xls

Table 7. Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
LC-2	7/28/2006	447	404	265					1060				3850	48.7	408	2790	88.6			81	8920		238			191	143	166	13006
	11/2/2006	221	96.9	216					1130						263	378					43.2					79.4	56		8532
	2/23/2007	186	182	148				36.2	309						176	449		194			83.7					173	157		7089
	5/30/2007	1.2		4.4					7.7				1.8		7.4	1.2					3.3							2.4	2.7
	8/9/2007	24.9		75.9					75.6						40.6	17.3					25.9								38
	10/22/2007	236	112	344						14.3			16.4		90.5	335								14.8		38.2	27.3		1744
	1/23/2008	282	54.7	426					956	19.1					274	200					80			82		77.7	24.1	18.4	1550
	7/22/2008	354	114	535					840						286	400					119								1820
	10/7/2008	37.2		284					538						211		18.3												
	1/27/2009					1.2							1.8				9.7			1.3			8.8		3.2				
	4/16/2009			1.5					5.3								200				2								
	7/27/2009								1490							243													1270
	10/27/2009	578		637					595						422	375						777	995						1920
	2/25/2010			224					161						197														
	5/25/2010	16.1		64.1					10.7	1.2					39.2		11.8				2.3								
	10/12/2010			43.7					113						56.9		38.7												
	1/25/2011																2.6				1.1								
	4/25/2011																10.3				3.6					.83			

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2011\April 2011\Tables\Table 7 Gas VOCs.xls

Table 7. Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
LC-3	7/28/2006												516								1070								1340
	11/2/2006	1110	95.4					33.4	740	98.5		254	5840	228	115	526	1430		22.6	209	5030		912	184		158	85.1	1600	3310
	2/23/2007	434							2810	81.6		166	43400		231	185	1440	21.1		63.2	10000		573 J	1210				11900	632
	5/30/2007	610	110					71	5200	64		460	1E+05		260	18400	2700			260	146000		3200	270		260	150	172000	47400
	8/9/2007	28.8							258	58.6			4960		25.9		197				328		64.1	19.3				4680	
	10/22/2007	162							447	21.6			38300	91.3	66.4	179	1370			20.7	16800		1770	45.4				10700	362.7
	1/23/2008	4.5							44.2	1		10.4	1820		14.2		69.1				37.9		14.5	2.1				1220	
	7/22/2008	30.2	10.3	4.9				1.8	62.4	3.5	0.95	25	6050	13.1	14.3	320	196		15.2	12.6	5140		301	2.6		12.8	7.4	1920	931
	10/7/2008												1.3				2.1						2.1						
	1/27/2009			1.6	2												3.2												
	4/16/2009																674				5.6								
	7/27/2009	26.7	13.2						9.1			24.5	4560		27	311	131			10	2730		289	6.2		0.86	5.5	1760	876
	10/27/2009	256											66400		250	1900	450				33600		1500					9760	7150
	2/25/2010												33.8				54.6										82.5		
	5/25/2010	24.1							94.1			24.5	2470		39	19.3	68.1				692		55.5					1670	41.8
	10/12/2010								24.5			2.2	31.6		5.6		3.8						0.92	0.84					394
	1/25/2011																2.4												
	4/25/2011												34600			3540					44400							27600	10370

Values i n ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A

ATTACHMENT A
STRATIGRAPHIC LAYERS OF WELLS

Stratigraphic Groupings of Monitoring Wells
FF/NN Landfill, Ripon, WI

Layer	Well ID	Well Screen Elevation (ft msl)	Lithology at Well Screen
Layer 1 Wells	MW-106	821.0	sand
	MW-101	820.4	sand
	MW-104	819.3	sand & gravel
	MW-102	818.9	sand & gravel
	MW-103	818.7	sand
	MW-107	816.5	sand
	MW-108	814.9	sand
	MW-112	814.1	sand
	MW-111	812.3	sand
Layer 2 Wells	P-106	791.7	sand
	P-101	790.0	sand
	P-103	789.9	silt
	P-107	785.6	sand
	P-108	783.5	sand
	P-104	782.0	sand
	P-102	781.3	sand
	P-111	774.2	sand
Layer 3 Wells	P-111D	704.0	sand and gravel
	P-103D	682.08	sandstone
	MW-3B	665.0	sandstone
	P-113B	634.2	sandstone
	P-114	654.4	sandstone
	P-115	662.7	sandstone
	P-116	681.3	sandstone
Layer 4 wells	MW-3A	570.0	sandstone
	P-107D	544.0	granite
	P-113A	507.8	sandstone

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 20, 2011

Mike Noel
GEOTRANS, INC.
175 NORTH CORPORATE DRIVE
SUITE 100
Brookfield, WI 53045

RE: Project: FF/NN LANDFILL
Pace Project No.: 4044715

Dear Mike Noel:
Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Nelson Olavarria, Cooper Industries

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4044715001	MW-107	Water	04/11/11 15:25	04/16/11 09:30
4044715002	MW-111	Water	04/11/11 15:35	04/16/11 09:30
4044715003	MW-103	Water	04/11/11 14:55	04/16/11 09:30
4044715004	MW-101	Water	04/11/11 14:40	04/16/11 09:30
4044715005	P-101	Water	04/11/11 16:10	04/16/11 09:30
4044715006	MW-102	Water	04/11/11 16:20	04/16/11 09:30
4044715007	P-102	Water	04/11/11 16:25	04/16/11 09:30
4044715008	MW-104	Water	04/11/11 16:35	04/16/11 09:30
4044715009	MW-108	Water	04/11/11 15:45	04/16/11 09:30
4044715010	MW-112	Water	04/11/11 15:10	04/16/11 09:30
4044715011	P-108	Water	04/11/11 16:00	04/16/11 09:30
4044715012	MW-106	Water	04/11/11 16:45	04/16/11 09:30
4044715013	MW-108 DUP	Water	04/11/11 15:50	04/16/11 09:30
4044715014	P-104	Water	04/12/11 14:35	04/16/11 09:30
4044715015	P-106	Water	04/12/11 10:45	04/16/11 09:30
4044715016	P-107	Water	04/12/11 12:10	04/16/11 09:30
4044715017	P-107D	Water	04/12/11 11:30	04/16/11 09:30
4044715020	P-103	Water	04/12/11 14:00	04/16/11 09:30
4044715021	P-103D	Water	04/12/11 13:30	04/16/11 09:30
4044715022	P-111D	Water	04/13/11 10:35	04/16/11 09:30
4044715023	P-111D DUP	Water	04/13/11 10:40	04/16/11 09:30
4044715024	P-111	Water	04/13/11 10:10	04/16/11 09:30
4044715027	P-113 B	Water	04/13/11 13:30	04/16/11 09:30
4044715028	P-113 A	Water	04/13/11 13:15	04/16/11 09:30
4044715029	P-114	Water	04/13/11 12:05	04/16/11 09:30
4044715030	P-114 DUP	Water	04/13/11 12:10	04/16/11 09:30
4044715031	P-115	Water	04/13/11 14:00	04/16/11 09:30
4044715032	MW-3A	Water	04/13/11 14:45	04/16/11 09:30
4044715033	MW-3B	Water	04/13/11 14:20	04/16/11 09:30
4044715034	P-116	Water	04/13/11 11:20	04/16/11 09:30
4044715035	LC-3	Water	04/14/11 11:00	04/16/11 09:30
4044715036	LC-2	Water	04/14/11 11:20	04/16/11 09:30
4044715037	TB-1	Water	04/14/11 00:00	04/16/11 09:30
4044715038	GAASTRA	Water	04/14/11 13:10	04/16/11 09:30
4044715039	ROHDE	Water	04/14/11 13:50	04/16/11 09:30
4044715040	TB-2	Water	04/14/11 00:00	04/16/11 09:30

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4044715001	MW-107	EPA 8260	SMT	45
4044715002	MW-111	EPA 8260	SMT	45
4044715003	MW-103	EPA 8260	SMT	45
4044715004	MW-101	EPA 8260	SMT	45
4044715005	P-101	EPA 8260	SMT	45
4044715006	MW-102	EPA 8260	SMT	45
4044715007	P-102	EPA 8260	SMT	45
4044715008	MW-104	EPA 8260	SMT	45
4044715009	MW-108	EPA 8260	SMT	45
4044715010	MW-112	EPA 8260	SMT	45
4044715011	P-108	EPA 8260	SMT	45
4044715012	MW-106	EPA 8260	SMT	45
4044715013	MW-108 DUP	EPA 8260	SMT	45
4044715014	P-104	EPA 8260	SMT	45
4044715015	P-106	EPA 8260	SMT	45
4044715016	P-107	EPA8260	SMT	45
4044715017	P-107D	EPA 8260	SMT	45
4044715020	P-103	EPA 8260	SMT	45
4044715021	P-103D	EPA 8260	SMT	45
4044715022	P-111D	EPA 8260	SMT	45
4044715023	P-111D DUP	EPA 8260	HNW	45
4044715024	P-111	EPA 8260	HNW	45
4044715027	P-113 B	EPA 8260	HNW	45
4044715028	P-113 A	EPA 8260	HNW	45
4044715029	P-114	EPA 8260	HNW	45
4044715030	P-114 DUP	EPA 8260	HNW	45
4044715031	P-115	EPA 8260	HNW	45
4044715032	MW-3A	EPA 8260	HNW	45
4044715033	MW-3B	EPA 8260	HNW	45
4044715034	P-116	EPA 8260	HNW	45
4044715035	LC-3	EPA 8260	HNW	45
4044715036	LC-2	EPA 8260	HNW	45
4044715037	TB-1	EPA 8260	HNW	45
4044715038	GAASTRA	EPA 8260	HNW	45
4044715039	ROHDE	EPA 8260	HNW	45
4044715040	TB-2	EPA 8260	HNW	45

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-107 **Lab ID: 4044715001** Collected: 04/11/11 15:25 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 20:40	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 20:40	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 20:40	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 20:40	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 20:40	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 20:40	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 20:40	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 20:40	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 20:40	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 20:40	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 20:40	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 20:40	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 20:40	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 20:40	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 20:40	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 20:40	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 20:40	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 20:40	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 20:40	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 20:40	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 20:40	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 20:40	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 20:40	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 20:40	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 20:40	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 20:40	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 20:40	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 20:40	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 20:40	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 20:40	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 20:40	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 20:40	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 20:40	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 20:40	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 20:40	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 20:40	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 20:40	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 20:40	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 20:40	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 20:40	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 20:40	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 20:40	10061-02-6	
4-Bromofluorobenzene (S)	83	%	69-130		1		04/18/11 20:40	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		04/18/11 20:40	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		04/18/11 20:40	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-111 **Lab ID: 4044715002** Collected: 04/11/11 15:35 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 21:03	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 21:03	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 21:03	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 21:03	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:03	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:03	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 21:03	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 21:03	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:03	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 21:03	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 21:03	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 21:03	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 21:03	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:03	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:03	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 21:03	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 21:03	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 21:03	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:03	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:03	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 21:03	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 21:03	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 21:03	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 21:03	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 21:03	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 21:03	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 21:03	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 21:03	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 21:03	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 21:03	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 21:03	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 21:03	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:03	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 21:03	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 21:03	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 21:03	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 21:03	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 21:03	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 21:03	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 21:03	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 21:03	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 21:03	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/18/11 21:03	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		04/18/11 21:03	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		04/18/11 21:03	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-103 **Lab ID: 4044715003** Collected: 04/11/11 14:55 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 21:26	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 21:26	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 21:26	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 21:26	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:26	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 21:26	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 21:26	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:26	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 21:26	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 21:26	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 21:26	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 21:26	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:26	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:26	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 21:26	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 21:26	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 21:26	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:26	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:26	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 21:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 21:26	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 21:26	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 21:26	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 21:26	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 21:26	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 21:26	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 21:26	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 21:26	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 21:26	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 21:26	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 21:26	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:26	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 21:26	108-88-3	
Trichloroethene	**2.1**	ug/L	1.0	0.48	1		04/18/11 21:26	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 21:26	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 21:26	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 21:26	1330-20-7	
cis-1,2-Dichloroethene	**2.7**	ug/L	1.0	0.83	1		04/18/11 21:26	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 21:26	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 21:26	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 21:26	10061-02-6	
4-Bromofluorobenzene (S)	83	%	69-130		1		04/18/11 21:26	460-00-4	
Dibromofluoromethane (S)	99	%	70-134		1		04/18/11 21:26	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		04/18/11 21:26	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-101 **Lab ID: 4044715004** Collected: 04/11/11 14:40 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 23:20	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 23:20	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 23:20	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 23:20	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 23:20	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 23:20	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 23:20	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 23:20	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 23:20	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 23:20	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 23:20	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 23:20	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 23:20	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 23:20	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 23:20	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 23:20	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 23:20	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 23:20	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 23:20	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 23:20	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 23:20	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 23:20	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 23:20	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 23:20	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 23:20	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 23:20	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 23:20	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 23:20	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 23:20	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 23:20	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 23:20	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 23:20	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 23:20	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 23:20	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 23:20	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 23:20	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 23:20	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 23:20	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 23:20	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 23:20	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 23:20	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 23:20	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/18/11 23:20	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		04/18/11 23:20	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		04/18/11 23:20	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-101 **Lab ID: 4044715005** Collected: 04/11/11 16:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 03:30	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 03:30	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 03:30	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 03:30	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 03:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 03:30	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 03:30	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 03:30	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 03:30	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 03:30	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 03:30	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 03:30	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 03:30	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 03:30	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 03:30	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 03:30	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 03:30	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 03:30	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 03:30	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 03:30	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 03:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 03:30	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 03:30	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 03:30	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 03:30	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 03:30	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 03:30	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 03:30	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 03:30	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 03:30	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 03:30	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 03:30	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 03:30	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 03:30	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 03:30	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 03:30	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 03:30	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 03:30	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 03:30	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 03:30	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 03:30	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 03:30	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/19/11 03:30	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 03:30	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		04/19/11 03:30	2037-26-5	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-102 **Lab ID: 4044715006** Collected: 04/11/11 16:20 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 23:42	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 23:42	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 23:42	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 23:42	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 23:42	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 23:42	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 23:42	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 23:42	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 23:42	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 23:42	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 23:42	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 23:42	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 23:42	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 23:42	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 23:42	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 23:42	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 23:42	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 23:42	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 23:42	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 23:42	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 23:42	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 23:42	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 23:42	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 23:42	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 23:42	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 23:42	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 23:42	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 23:42	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 23:42	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 23:42	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 23:42	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 23:42	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 23:42	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 23:42	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 23:42	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 23:42	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 23:42	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 23:42	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 23:42	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 23:42	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 23:42	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 23:42	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/18/11 23:42	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		04/18/11 23:42	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		04/18/11 23:42	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-102 **Lab ID: 4044715007** Collected: 04/11/11 16:25 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 00:05	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 00:05	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 00:05	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 00:05	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 00:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:05	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:05	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 00:05	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:05	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 00:05	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 00:05	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 00:05	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 00:05	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 00:05	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:05	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 00:05	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 00:05	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 00:05	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:05	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 00:05	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 00:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 00:05	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 00:05	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 00:05	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 00:05	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 00:05	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 00:05	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 00:05	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 00:05	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 00:05	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 00:05	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 00:05	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 00:05	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 00:05	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 00:05	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 00:05	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 00:05	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 00:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:05	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 00:05	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 00:05	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 00:05	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/19/11 00:05	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		04/19/11 00:05	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		04/19/11 00:05	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-104 **Lab ID: 4044715008** Collected: 04/11/11 16:35 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 00:28	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 00:28	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 00:28	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 00:28	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 00:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:28	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:28	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 00:28	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:28	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 00:28	541-73-1	
1,4-Dichlorobenzene	**1.9**	ug/L	1.0	0.95	1		04/19/11 00:28	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 00:28	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 00:28	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 00:28	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:28	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 00:28	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 00:28	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 00:28	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:28	56-23-5	
Chlorobenzene	**3.1**	ug/L	1.0	0.41	1		04/19/11 00:28	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 00:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 00:28	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 00:28	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 00:28	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 00:28	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 00:28	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 00:28	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 00:28	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 00:28	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 00:28	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 00:28	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 00:28	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 00:28	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 00:28	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 00:28	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 00:28	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 00:28	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 00:28	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:28	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 00:28	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 00:28	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 00:28	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/19/11 00:28	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 00:28	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		04/19/11 00:28	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-108 **Lab ID: 4044715009** Collected: 04/11/11 15:45 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 00:51	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 00:51	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 00:51	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 00:51	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 00:51	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:51	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:51	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 00:51	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:51	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 00:51	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 00:51	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 00:51	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 00:51	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 00:51	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 00:51	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 00:51	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 00:51	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 00:51	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 00:51	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 00:51	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 00:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 00:51	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 00:51	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 00:51	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 00:51	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 00:51	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 00:51	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 00:51	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 00:51	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 00:51	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 00:51	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 00:51	127-18-4	
Tetrahydrofuran	<1.7	ug/L	5.0	1.7	1		04/19/11 00:51	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 00:51	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 00:51	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 00:51	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 00:51	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 00:51	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 00:51	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 00:51	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 00:51	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 00:51	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/19/11 00:51	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 00:51	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		04/19/11 00:51	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-112 **Lab ID: 4044715010** Collected: 04/11/11 15:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 01:13	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 01:13	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 01:13	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 01:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:13	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 01:13	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 01:13	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:13	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 01:13	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 01:13	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 01:13	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 01:13	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:13	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:13	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 01:13	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 01:13	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 01:13	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:13	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:13	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 01:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 01:13	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 01:13	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 01:13	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 01:13	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 01:13	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 01:13	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 01:13	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 01:13	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 01:13	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 01:13	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 01:13	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:13	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 01:13	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 01:13	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 01:13	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 01:13	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 01:13	1330-20-7	
cis-1,2-Dichloroethene	**1.8**	ug/L	1.0	0.83	1		04/19/11 01:13	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 01:13	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 01:13	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 01:13	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/19/11 01:13	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 01:13	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		04/19/11 01:13	2037-26-5	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-108 **Lab ID: 4044715011** Collected: 04/11/11 16:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 01:36	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 01:36	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 01:36	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 01:36	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:36	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 01:36	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 01:36	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:36	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 01:36	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 01:36	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 01:36	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 01:36	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:36	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:36	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 01:36	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 01:36	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 01:36	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:36	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:36	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 01:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 01:36	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 01:36	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 01:36	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 01:36	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 01:36	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 01:36	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 01:36	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 01:36	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 01:36	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 01:36	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 01:36	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:36	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 01:36	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 01:36	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 01:36	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 01:36	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 01:36	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 01:36	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 01:36	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 01:36	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 01:36	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/19/11 01:36	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		04/19/11 01:36	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		04/19/11 01:36	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-106 **Lab ID: 4044715012** Collected: 04/11/11 16:45 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 01:59	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 01:59	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 01:59	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 01:59	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:59	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 01:59	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 01:59	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:59	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 01:59	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 01:59	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 01:59	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 01:59	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:59	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 01:59	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 01:59	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 01:59	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 01:59	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 01:59	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 01:59	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 01:59	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 01:59	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 01:59	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 01:59	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 01:59	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 01:59	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 01:59	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 01:59	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 01:59	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 01:59	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 01:59	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 01:59	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 01:59	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 01:59	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 01:59	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 01:59	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 01:59	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 01:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 01:59	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 01:59	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 01:59	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 01:59	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/19/11 01:59	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 01:59	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		04/19/11 01:59	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-108 DUP **Lab ID: 4044715013** Collected: 04/11/11 15:50 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 02:22	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 02:22	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 02:22	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 02:22	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 02:22	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 02:22	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 02:22	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 02:22	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 02:22	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 02:22	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 02:22	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 02:22	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 02:22	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 02:22	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 02:22	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 02:22	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 02:22	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 02:22	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 02:22	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 02:22	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 02:22	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 02:22	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 02:22	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 02:22	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 02:22	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 02:22	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 02:22	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 02:22	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 02:22	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 02:22	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 02:22	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 02:22	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 02:22	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 02:22	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 02:22	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 02:22	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 02:22	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 02:22	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 02:22	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 02:22	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 02:22	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 02:22	10061-02-6	
4-Bromofluorobenzene (S)	82	%	69-130		1		04/19/11 02:22	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		04/19/11 02:22	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		04/19/11 02:22	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-104 **Lab ID: 4044715014** Collected: 04/12/11 14:35 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 21:48	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 21:48	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 21:48	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 21:48	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:48	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 21:48	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 21:48	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:48	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 21:48	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 21:48	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 21:48	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 21:48	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:48	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 21:48	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 21:48	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 21:48	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 21:48	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 21:48	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 21:48	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 21:48	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 21:48	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 21:48	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 21:48	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 21:48	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 21:48	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 21:48	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 21:48	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 21:48	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 21:48	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 21:48	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 21:48	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 21:48	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 21:48	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 21:48	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 21:48	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 21:48	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 21:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 21:48	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 21:48	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 21:48	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 21:48	10061-02-6	
4-Bromofluorobenzene (S)	79	%	69-130		1		04/18/11 21:48	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/18/11 21:48	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		04/18/11 21:48	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-106 **Lab ID: 4044715015** Collected: 04/12/11 10:45 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 22:11	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 22:11	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 22:11	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 22:11	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:11	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:11	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 22:11	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:11	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 22:11	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 22:11	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 22:11	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 22:11	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:11	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:11	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 22:11	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 22:11	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 22:11	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:11	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:11	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 22:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 22:11	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 22:11	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 22:11	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 22:11	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 22:11	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 22:11	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 22:11	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 22:11	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 22:11	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 22:11	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 22:11	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:11	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 22:11	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 22:11	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 22:11	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/18/11 22:11	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 22:11	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:11	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 22:11	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 22:11	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 22:11	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/18/11 22:11	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		04/18/11 22:11	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		04/18/11 22:11	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-107 **Lab ID: 4044715016** Collected: 04/12/11 12:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 22:34	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 22:34	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 22:34	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 22:34	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:34	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:34	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 22:34	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:34	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 22:34	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 22:34	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 22:34	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 22:34	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:34	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:34	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 22:34	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 22:34	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 22:34	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:34	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:34	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 22:34	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 22:34	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 22:34	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 22:34	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 22:34	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 22:34	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 22:34	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 22:34	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 22:34	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 22:34	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 22:34	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 22:34	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:34	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 22:34	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 22:34	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 22:34	75-69-4	
Vinyl chloride	**0.84J**	ug/L	1.0	0.18	1		04/18/11 22:34	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 22:34	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:34	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 22:34	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 22:34	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 22:34	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/18/11 22:34	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/18/11 22:34	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		04/18/11 22:34	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-107D **Lab ID: 4044715017** Collected: 04/12/11 11:30 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 20:17	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 20:17	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 20:17	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 20:17	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 20:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 20:17	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 20:17	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 20:17	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 20:17	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 20:17	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 20:17	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 20:17	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 20:17	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 20:17	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 20:17	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 20:17	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 20:17	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 20:17	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 20:17	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 20:17	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 20:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 20:17	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 20:17	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 20:17	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 20:17	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 20:17	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 20:17	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 20:17	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 20:17	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 20:17	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 20:17	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 20:17	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 20:17	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 20:17	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 20:17	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 20:17	75-69-4	
Vinyl chloride	**2.6**	ug/L	1.0	0.18	1		04/18/11 20:17	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 20:17	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 20:17	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 20:17	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 20:17	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 20:17	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/18/11 20:17	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		04/18/11 20:17	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		04/18/11 20:17	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-103 **Lab ID: 4044715020** Collected: 04/12/11 14:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/18/11 22:57	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/18/11 22:57	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/18/11 22:57	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/18/11 22:57	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:57	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:57	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:57	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/18/11 22:57	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:57	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/18/11 22:57	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/18/11 22:57	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/18/11 22:57	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/18/11 22:57	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:57	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/18/11 22:57	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/18/11 22:57	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/18/11 22:57	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/18/11 22:57	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/18/11 22:57	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/18/11 22:57	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/18/11 22:57	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/18/11 22:57	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/18/11 22:57	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/18/11 22:57	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/18/11 22:57	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/18/11 22:57	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/18/11 22:57	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/18/11 22:57	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/18/11 22:57	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/18/11 22:57	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/18/11 22:57	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/18/11 22:57	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/18/11 22:57	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/18/11 22:57	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/18/11 22:57	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/18/11 22:57	75-69-4	
Vinyl chloride	**0.39J**	ug/L	1.0	0.18	1		04/18/11 22:57	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/18/11 22:57	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/18/11 22:57	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/18/11 22:57	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/18/11 22:57	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/18/11 22:57	10061-02-6	
4-Bromofluorobenzene (S)	81	%	69-130		1		04/18/11 22:57	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		04/18/11 22:57	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		04/18/11 22:57	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-103D **Lab ID: 4044715021** Collected: 04/12/11 13:30 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 02:45	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 02:45	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 02:45	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 02:45	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 02:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 02:45	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 02:45	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 02:45	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 02:45	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 02:45	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 02:45	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 02:45	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 02:45	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 02:45	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 02:45	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 02:45	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 02:45	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 02:45	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 02:45	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 02:45	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 02:45	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 02:45	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 02:45	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 02:45	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 02:45	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 02:45	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 02:45	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 02:45	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 02:45	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 02:45	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 02:45	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 02:45	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 02:45	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 02:45	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 02:45	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 02:45	75-69-4	
Vinyl chloride	**0.69J**	ug/L	1.0	0.18	1		04/19/11 02:45	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 02:45	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 02:45	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 02:45	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 02:45	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 02:45	10061-02-6	
4-Bromofluorobenzene (S)	82	%	69-130		1		04/19/11 02:45	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 02:45	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		04/19/11 02:45	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-111D **Lab ID: 4044715022** Collected: 04/13/11 10:35 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 03:08	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 03:08	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 03:08	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 03:08	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 03:08	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 03:08	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 03:08	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 03:08	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 03:08	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 03:08	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 03:08	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 03:08	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 03:08	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 03:08	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 03:08	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 03:08	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 03:08	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 03:08	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 03:08	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 03:08	108-90-7	
Chloroethane	**2.3**	ug/L	1.0	0.97	1		04/19/11 03:08	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 03:08	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 03:08	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 03:08	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 03:08	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 03:08	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 03:08	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 03:08	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 03:08	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 03:08	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 03:08	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 03:08	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 03:08	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 03:08	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 03:08	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 03:08	75-69-4	
Vinyl chloride	**5.8**	ug/L	1.0	0.18	1		04/19/11 03:08	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 03:08	1330-20-7	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.83	1		04/19/11 03:08	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 03:08	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 03:08	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 03:08	10061-02-6	
4-Bromofluorobenzene (S)	80	%	69-130		1		04/19/11 03:08	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 03:08	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		04/19/11 03:08	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-111D DUP **Lab ID: 4044715023** Collected: 04/13/11 10:40 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 09:33	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 09:33	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 09:33	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 09:33	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:33	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:33	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 09:33	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 09:33	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:33	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 09:33	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 09:33	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 09:33	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 09:33	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:33	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:33	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 09:33	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 09:33	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 09:33	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:33	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:33	108-90-7	
Chloroethane	**2.8**	ug/L	1.0	0.97	1		04/19/11 09:33	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 09:33	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 09:33	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 09:33	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 09:33	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 09:33	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 09:33	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 09:33	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 09:33	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 09:33	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 09:33	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 09:33	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:33	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 09:33	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 09:33	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 09:33	75-69-4	
Vinyl chloride	**7.1**	ug/L	1.0	0.18	1		04/19/11 09:33	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 09:33	1330-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.83	1		04/19/11 09:33	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 09:33	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 09:33	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 09:33	10061-02-6	
4-Bromofluorobenzene (S)	91	%	69-130		1		04/19/11 09:33	460-00-4	
Dibromofluoromethane (S)	109	%	70-134		1		04/19/11 09:33	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/19/11 09:33	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-111 **Lab ID: 4044715024** Collected: 04/13/11 10:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 09:11	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 09:11	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 09:11	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 09:11	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:11	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 09:11	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 09:11	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:11	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 09:11	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 09:11	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 09:11	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 09:11	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:11	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:11	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 09:11	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 09:11	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 09:11	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:11	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:11	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 09:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 09:11	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 09:11	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 09:11	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 09:11	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 09:11	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 09:11	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 09:11	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 09:11	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 09:11	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 09:11	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 09:11	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:11	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 09:11	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 09:11	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 09:11	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 09:11	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 09:11	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 09:11	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 09:11	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 09:11	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 09:11	10061-02-6	
4-Bromofluorobenzene (S)	98	%	69-130		1		04/19/11 09:11	460-00-4	
Dibromofluoromethane (S)	107	%	70-134		1		04/19/11 09:11	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		04/19/11 09:11	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-113 B **Lab ID: 4044715027** Collected: 04/13/11 13:30 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 12:58	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 12:58	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 12:58	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 12:58	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:58	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:58	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 12:58	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:58	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 12:58	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 12:58	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 12:58	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 12:58	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:58	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:58	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 12:58	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 12:58	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 12:58	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:58	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:58	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 12:58	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 12:58	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 12:58	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 12:58	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 12:58	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 12:58	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 12:58	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 12:58	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 12:58	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 12:58	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 12:58	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 12:58	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:58	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 12:58	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 12:58	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 12:58	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 12:58	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 12:58	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:58	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 12:58	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 12:58	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 12:58	10061-02-6	
4-Bromofluorobenzene (S)	100	%	69-130		1		04/19/11 12:58	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		04/19/11 12:58	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/19/11 12:58	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-113 A **Lab ID: 4044715028** Collected: 04/13/11 13:15 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 11:04	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 11:04	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 11:04	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 11:04	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:04	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:04	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 11:04	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:04	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 11:04	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 11:04	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 11:04	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 11:04	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:04	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:04	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 11:04	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 11:04	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 11:04	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:04	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:04	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 11:04	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 11:04	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 11:04	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 11:04	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 11:04	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 11:04	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 11:04	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 11:04	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 11:04	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 11:04	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 11:04	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 11:04	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:04	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 11:04	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 11:04	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 11:04	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 11:04	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 11:04	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:04	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 11:04	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 11:04	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 11:04	10061-02-6	
4-Bromofluorobenzene (S)	103	%	69-130		1		04/19/11 11:04	460-00-4	
Dibromofluoromethane (S)	105	%	70-134		1		04/19/11 11:04	1868-53-7	
Toluene-d8 (S)	112	%	70-130		1		04/19/11 11:04	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-114 **Lab ID: 4044715029** Collected: 04/13/11 12:05 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 09:56	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 09:56	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 09:56	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 09:56	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:56	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 09:56	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 09:56	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:56	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 09:56	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 09:56	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 09:56	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 09:56	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:56	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 09:56	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 09:56	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 09:56	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 09:56	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 09:56	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 09:56	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 09:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 09:56	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 09:56	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 09:56	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 09:56	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 09:56	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 09:56	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 09:56	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 09:56	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 09:56	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 09:56	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 09:56	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 09:56	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 09:56	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 09:56	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 09:56	75-69-4	
Vinyl chloride	**8.2**	ug/L	1.0	0.18	1		04/19/11 09:56	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 09:56	1330-20-7	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.83	1		04/19/11 09:56	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 09:56	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 09:56	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 09:56	10061-02-6	
4-Bromofluorobenzene (S)	99	%	69-130		1		04/19/11 09:56	460-00-4	
Dibromofluoromethane (S)	105	%	70-134		1		04/19/11 09:56	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/19/11 09:56	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-114 DUP **Lab ID: 4044715030** Collected: 04/13/11 12:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 10:19	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 10:19	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 10:19	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 10:19	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 10:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 10:19	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 10:19	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 10:19	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 10:19	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 10:19	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 10:19	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 10:19	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 10:19	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 10:19	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 10:19	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 10:19	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 10:19	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 10:19	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 10:19	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 10:19	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 10:19	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 10:19	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 10:19	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 10:19	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 10:19	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 10:19	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 10:19	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 10:19	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 10:19	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 10:19	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 10:19	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 10:19	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 10:19	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 10:19	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 10:19	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 10:19	75-69-4	
Vinyl chloride	**8.5**	ug/L	1.0	0.18	1		04/19/11 10:19	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 10:19	1330-20-7	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.83	1		04/19/11 10:19	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 10:19	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 10:19	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 10:19	10061-02-6	
4-Bromofluorobenzene (S)	100	%	69-130		1		04/19/11 10:19	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 10:19	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		04/19/11 10:19	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-115 **Lab ID: 4044715031** Collected: 04/13/11 14:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 11:27	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 11:27	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 11:27	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 11:27	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:27	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:27	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 11:27	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:27	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 11:27	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 11:27	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 11:27	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 11:27	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:27	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:27	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 11:27	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 11:27	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 11:27	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:27	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:27	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 11:27	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 11:27	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 11:27	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 11:27	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 11:27	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 11:27	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 11:27	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 11:27	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 11:27	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 11:27	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 11:27	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 11:27	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:27	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 11:27	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 11:27	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 11:27	75-69-4	
Vinyl chloride	**1.4**	ug/L	1.0	0.18	1		04/19/11 11:27	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 11:27	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:27	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 11:27	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 11:27	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 11:27	10061-02-6	
4-Bromofluorobenzene (S)	95	%	69-130		1		04/19/11 11:27	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 11:27	1868-53-7	
Toluene-d8 (S)	110	%	70-130		1		04/19/11 11:27	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-3A **Lab ID: 4044715032** Collected: 04/13/11 14:45 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 11:50	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 11:50	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 11:50	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 11:50	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:50	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:50	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:50	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 11:50	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:50	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 11:50	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 11:50	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 11:50	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 11:50	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:50	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 11:50	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 11:50	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 11:50	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 11:50	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 11:50	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 11:50	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 11:50	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 11:50	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 11:50	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 11:50	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 11:50	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 11:50	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 11:50	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 11:50	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 11:50	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 11:50	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 11:50	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 11:50	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 11:50	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 11:50	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 11:50	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 11:50	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 11:50	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 11:50	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 11:50	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 11:50	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 11:50	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 11:50	10061-02-6	
4-Bromofluorobenzene (S)	94	%	69-130		1		04/19/11 11:50	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 11:50	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		04/19/11 11:50	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: MW-3B **Lab ID: 4044715033** Collected: 04/13/11 14:20 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 12:13	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 12:13	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 12:13	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 12:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:13	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:13	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 12:13	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:13	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 12:13	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 12:13	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 12:13	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 12:13	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:13	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:13	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 12:13	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 12:13	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 12:13	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:13	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:13	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 12:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 12:13	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 12:13	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 12:13	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 12:13	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 12:13	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 12:13	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 12:13	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 12:13	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 12:13	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 12:13	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 12:13	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:13	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 12:13	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 12:13	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 12:13	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 12:13	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 12:13	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:13	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 12:13	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 12:13	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 12:13	10061-02-6	
4-Bromofluorobenzene (S)	102	%	69-130		1		04/19/11 12:13	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		04/19/11 12:13	1868-53-7	
Toluene-d8 (S)	110	%	70-130		1		04/19/11 12:13	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: P-116 **Lab ID: 4044715034** Collected: 04/13/11 11:20 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 12:35	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 12:35	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 12:35	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 12:35	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:35	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:35	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 12:35	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:35	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 12:35	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 12:35	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 12:35	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 12:35	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:35	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 12:35	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 12:35	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 12:35	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 12:35	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 12:35	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 12:35	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 12:35	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 12:35	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 12:35	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 12:35	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 12:35	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 12:35	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 12:35	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 12:35	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 12:35	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 12:35	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 12:35	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 12:35	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 12:35	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 12:35	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 12:35	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 12:35	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 12:35	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 12:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 12:35	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 12:35	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 12:35	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 12:35	10061-02-6	
4-Bromofluorobenzene (S)	97	%	69-130		1		04/19/11 12:35	460-00-4	
Dibromofluoromethane (S)	104	%	70-134		1		04/19/11 12:35	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		04/19/11 12:35	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: LC-3 **Lab ID: 4044715035** Collected: 04/14/11 11:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<4.5**	ug/L	5.0	4.5	5		04/19/11 16:47	71-55-6	
1,1,2-Trichloroethane	**<2.1**	ug/L	5.0	2.1	5		04/19/11 16:47	79-00-5	
1,1-Dichloroethane	**<3.8**	ug/L	5.0	3.8	5		04/19/11 16:47	75-34-3	
1,1-Dichloroethene	**<2.8**	ug/L	5.0	2.8	5		04/19/11 16:47	75-35-4	
1,2-Dibromo-3-chloropropane	**<8.4**	ug/L	25.0	8.4	5		04/19/11 16:47	96-12-8	
1,2-Dibromoethane (EDB)	**<2.8**	ug/L	5.0	2.8	5		04/19/11 16:47	106-93-4	
1,2-Dichlorobenzene	**4.3J**	ug/L	5.0	4.2	5		04/19/11 16:47	95-50-1	
1,2-Dichloroethane	**<1.8**	ug/L	5.0	1.8	5		04/19/11 16:47	107-06-2	
1,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		04/19/11 16:47	78-87-5	
1,3-Dichlorobenzene	**<4.4**	ug/L	5.0	4.4	5		04/19/11 16:47	541-73-1	
1,4-Dichlorobenzene	**<4.8**	ug/L	5.0	4.8	5		04/19/11 16:47	106-46-7	
2-Butanone (MEK)	**63.7J**	ug/L	100	21.5	5		04/19/11 16:47	78-93-3	
Acetone	**417**	ug/L	100	25.0	5		04/19/11 16:47	67-64-1	
Benzene	**<2.0**	ug/L	5.0	2.0	5		04/19/11 16:47	71-43-2	
Bromodichloromethane	**<2.8**	ug/L	5.0	2.8	5		04/19/11 16:47	75-27-4	
Bromoform	**<4.7**	ug/L	5.0	4.7	5		04/19/11 16:47	75-25-2	
Bromomethane	**<4.6**	ug/L	5.0	4.6	5		04/19/11 16:47	74-83-9	
Carbon disulfide	**6.2**	ug/L	5.0	3.3	5		04/19/11 16:47	75-15-0	
Carbon tetrachloride	**<2.4**	ug/L	5.0	2.4	5		04/19/11 16:47	56-23-5	
Chlorobenzene	**<2.0**	ug/L	5.0	2.0	5		04/19/11 16:47	108-90-7	
Chloroethane	**<4.8**	ug/L	5.0	4.8	5		04/19/11 16:47	75-00-3	
Chloroform	**<6.5**	ug/L	25.0	6.5	5		04/19/11 16:47	67-66-3	
Chloromethane	**<1.2**	ug/L	5.0	1.2	5		04/19/11 16:47	74-87-3	
Dibromochloromethane	**<4.0**	ug/L	5.0	4.0	5		04/19/11 16:47	124-48-1	
Dibromomethane	**<3.0**	ug/L	5.0	3.0	5		04/19/11 16:47	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5.0	5		04/19/11 16:47	75-71-8	
Ethylbenzene	**16.5**	ug/L	5.0	2.7	5		04/19/11 16:47	100-41-4	
Methyl-tert-butyl ether	**<3.0**	ug/L	5.0	3.0	5		04/19/11 16:47	1634-04-4	
Methylene Chloride	**9.3**	ug/L	5.0	2.2	5		04/19/11 16:47	75-09-2	Z3
Naphthalene	**<4.4**	ug/L	25.0	4.4	5		04/19/11 16:47	91-20-3	
Styrene	**<4.3**	ug/L	5.0	4.3	5		04/19/11 16:47	100-42-5	
Tetrachloroethene	**<2.2**	ug/L	5.0	2.2	5		04/19/11 16:47	127-18-4	
Tetrahydrofuran	**38.9**	ug/L	25.0	8.5	5		04/19/11 16:47	109-99-9	
Toluene	**81.2**	ug/L	5.0	3.4	5		04/19/11 16:47	108-88-3	
Trichloroethene	**19.6**	ug/L	5.0	2.4	5		04/19/11 16:47	79-01-6	
Trichlorofluoromethane	**<4.0**	ug/L	5.0	4.0	5		04/19/11 16:47	75-69-4	
Vinyl chloride	**25.8**	ug/L	5.0	0.90	5		04/19/11 16:47	75-01-4	
Xylene (Total)	**79.4**	ug/L	15.0	13.0	5		04/19/11 16:47	1330-20-7	
cis-1,2-Dichloroethene	**373**	ug/L	5.0	4.2	5		04/19/11 16:47	156-59-2	
cis-1.3-Dichloropropene	**<1.0**	ug/L	5.0	1.0	5		04/19/11 16:47	10061-01-5	
trans-1,2-Dichloroethene	**<4.4**	ug/L	5.0	4.4	5		04/19/11 16:47	156-60-5	
trans-1,3-Dichloropropene	**<0.95**	ug/L	5.0	0.95	5		04/19/11 16:47	10061-02-6	
4-Bromofluorobenzene (S)	101	%	69-130		5		04/19/11 16:47	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		5		04/19/11 16:47	1868-53-7	
Toluene-d8 (S)	109	%	70-130		5		04/19/11 16:47	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: LC-2 **Lab ID: 4044715036** Collected: 04/14/11 11:20 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA8260								
1,1,1-Trichloroethane	**<4.5**	ug/L	5.0	4.5	5		04/19/11 17:10	71-55-6	
1,1,2-Trichloroethane	**<2.1**	ug/L	5.0	2.1	5		04/19/11 17:10	79-00-5	
1,1-Dichloroethane	**<3.8**	ug/L	5.0	3.8	5		04/19/11 17:10	75-34-3	
1,1-Dichloroethene	**<2.8**	ug/L	5.0	2.8	5		04/19/11 17:10	75-35-4	
1,2-Dibromo-3-chloropropane	**<8.4**	ug/L	25.0	8.4	5		04/19/11 17:10	96-12-8	
1,2-Dibromoethane (EDB)	**<2.8**	ug/L	5.0	2.8	5		04/19/11 17:10	106-93-4	
1,2-Dichlorobenzene	**<4.2**	ug/L	5.0	4.2	5		04/19/11 17:10	95-50-1	
1,2-Dichloroethane	**<1.8**	ug/L	5.0	1.8	5		04/19/11 17:10	107-06-2	
1,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		04/19/11 17:10	78-87-5	
1,3-Dichlorobenzene	**<4.4**	ug/L	5.0	4.4	5		04/19/11 17:10	541-73-1	
1,4-Dichlorobenzene	**18.5**	ug/L	5.0	4.8	5		04/19/11 17:10	106-46-7	
2-Butanone (MEK)	**<21.5**	ug/L	100	21.5	5		04/19/11 17:10	78-93-3	
Acetone	**<25.0**	ug/L	100	25.0	5		04/19/11 17:10	67-64-1	
Benzene	**17.0**	ug/L	5.0	2.0	5		04/19/11 17:10	71-43-2	
Bromodichloromethane	**<2.8**	ug/L	5.0	2.8	5		04/19/11 17:10	75-27-4	
Bromoform	**<4.7**	ug/L	5.0	4.7	5		04/19/11 17:10	75-25-2	
Bromomethane	**<4.6**	ug/L	5.0	4.6	5		04/19/11 17:10	74-83-9	
Carbon disulfide	**<3.3**	ug/L	5.0	3.3	5		04/19/11 17:10	75-15-0	
Carbon tetrachloride	**<2.4**	ug/L	5.0	2.4	5		04/19/11 17:10	56-23-5	
Chlorobenzene	**42.0**	ug/L	5.0	2.0	5		04/19/11 17:10	108-90-7	
Chloroethane	**<4.8**	ug/L	5.0	4.8	5		04/19/11 17:10	75-00-3	
Chloroform	**<6.5**	ug/L	25.0	6.5	5		04/19/11 17:10	67-66-3	
Chloromethane	**<1.2**	ug/L	5.0	1.2	5		04/19/11 17:10	74-87-3	
Dibromochloromethane	**<4.0**	ug/L	5.0	4.0	5		04/19/11 17:10	124-48-1	
Dibromomethane	**<3.0**	ug/L	5.0	3.0	5		04/19/11 17:10	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5.0	5		04/19/11 17:10	75-71-8	
Ethylbenzene	**60.5**	ug/L	5.0	2.7	5		04/19/11 17:10	100-41-4	
Methyl-tert-butyl ether	**<3.0**	ug/L	5.0	3.0	5		04/19/11 17:10	1634-04-4	
Methylene Chloride	**<2.2**	ug/L	5.0	2.2	5		04/19/11 17:10	75-09-2	
Naphthalene	**7.5J**	ug/L	25.0	4.4	5		04/19/11 17:10	91-20-3	
Styrene	**<4.3**	ug/L	5.0	4.3	5		04/19/11 17:10	100-42-5	
Tetrachloroethene	**<2.2**	ug/L	5.0	2.2	5		04/19/11 17:10	127-18-4	
Tetrahydrofuran	**151**	ug/L	25.0	8.5	5		04/19/11 17:10	109-99-9	
Toluene	**<3.4**	ug/L	5.0	3.4	5		04/19/11 17:10	108-88-3	
Trichloroethene	**<2.4**	ug/L	5.0	2.4	5		04/19/11 17:10	79-01-6	
Trichlorofluoromethane	**<4.0**	ug/L	5.0	4.0	5		04/19/11 17:10	75-69-4	
Vinyl chloride	**<0.90**	ug/L	5.0	0.90	5		04/19/11 17:10	75-01-4	
Xylene (Total)	**876**	ug/L	15.0	13.0	5		04/19/11 17:10	1330-20-7	
cis-1,2-Dichloroethene	**<4.2**	ug/L	5.0	4.2	5		04/19/11 17:10	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	5.0	1.0	5		04/19/11 17:10	10061-01-5	
trans-1,2-Dichloroethene	**<4.4**	ug/L	5.0	4.4	5		04/19/11 17:10	156-60-5	
trans-1,3-Dichloropropene	**<0.95**	ug/L	5.0	0.95	5		04/19/11 17:10	10061-02-6	
4-Bromofluorobenzene (S)	99	%	69-130		5		04/19/11 17:10	460-00-4	
Dibromofluoromethane (S)	107	%	70-134		5		04/19/11 17:10	1868-53-7	
Toluene-d8 (S)	109	%	70-130		5		04/19/11 17:10	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: TB-1 **Lab ID: 4044715037** Collected: 04/14/11 00:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 14:30	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 14:30	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 14:30	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 14:30	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:30	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:30	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 14:30	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:30	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 14:30	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 14:30	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 14:30	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 14:30	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:30	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:30	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 14:30	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 14:30	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 14:30	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:30	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:30	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 14:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 14:30	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 14:30	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 14:30	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 14:30	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 14:30	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 14:30	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 14:30	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 14:30	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 14:30	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 14:30	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 14:30	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:30	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 14:30	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 14:30	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 14:30	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 14:30	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 14:30	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:30	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 14:30	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 14:30	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 14:30	10061-02-6	
4-Bromofluorobenzene (S)	97	%	69-130		1		04/19/11 14:30	460-00-4	
Dibromofluoromethane (S)	109	%	70-134		1		04/19/11 14:30	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/19/11 14:30	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: GAASTRA **Lab ID: 4044715038** Collected: 04/14/11 13:10 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 13:44	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 13:44	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 13:44	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 13:44	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 13:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 13:44	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 13:44	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 13:44	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 13:44	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 13:44	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 13:44	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 13:44	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 13:44	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 13:44	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 13:44	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 13:44	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 13:44	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 13:44	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 13:44	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 13:44	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 13:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 13:44	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 13:44	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 13:44	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 13:44	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 13:44	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 13:44	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 13:44	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 13:44	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 13:44	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 13:44	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 13:44	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 13:44	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 13:44	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 13:44	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 13:44	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 13:44	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 13:44	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 13:44	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 13:44	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 13:44	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 13:44	10061-02-6	
4-Bromofluorobenzene (S)	98	%	69-130		1		04/19/11 13:44	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		04/19/11 13:44	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/19/11 13:44	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: ROHDE **Lab ID: 4044715039** Collected: 04/14/11 13:50 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 14:07	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 14:07	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 14:07	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 14:07	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:07	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:07	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:07	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 14:07	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:07	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 14:07	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 14:07	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 14:07	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 14:07	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:07	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:07	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 14:07	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 14:07	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 14:07	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:07	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:07	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 14:07	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 14:07	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 14:07	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 14:07	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 14:07	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 14:07	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 14:07	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 14:07	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 14:07	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 14:07	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 14:07	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 14:07	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:07	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 14:07	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 14:07	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 14:07	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 14:07	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 14:07	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:07	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 14:07	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 14:07	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 14:07	10061-02-6	
4-Bromofluorobenzene (S)	105	%	69-130		1		04/19/11 14:07	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		04/19/11 14:07	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/19/11 14:07	2037-26-5	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

Sample: TB-2 **Lab ID: 4044715040** Collected: 04/14/11 00:00 Received: 04/16/11 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/19/11 14:53	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/19/11 14:53	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/19/11 14:53	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/19/11 14:53	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:53	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:53	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/19/11 14:53	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:53	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/19/11 14:53	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/19/11 14:53	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		04/19/11 14:53	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		04/19/11 14:53	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:53	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/19/11 14:53	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/19/11 14:53	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/19/11 14:53	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		04/19/11 14:53	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/19/11 14:53	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/19/11 14:53	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/19/11 14:53	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/19/11 14:53	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/19/11 14:53	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/19/11 14:53	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/19/11 14:53	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/19/11 14:53	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/19/11 14:53	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/19/11 14:53	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/19/11 14:53	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/19/11 14:53	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/19/11 14:53	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/19/11 14:53	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		04/19/11 14:53	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/19/11 14:53	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/19/11 14:53	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/19/11 14:53	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/19/11 14:53	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		04/19/11 14:53	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/19/11 14:53	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/19/11 14:53	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/19/11 14:53	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/19/11 14:53	10061-02-6	
4-Bromofluorobenzene (S)	98	%	69-130		1		04/19/11 14:53	460-00-4	
Dibromofluoromethane (S)	107	%	70-134		1		04/19/11 14:53	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		04/19/11 14:53	2037-26-5	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

QC Batch: MSV/10999 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4044715001, 4044715002, 4044715003, 4044715004, 4044715005, 4044715006, 4044715007, 4044715008, 4044715009, 4044715010, 4044715011, 4044715012, 4044715013, 4044715014, 4044715015, 4044715016, 4044715017, 4044715020, 4044715021, 4044715022

METHOD BLANK: 438061 Matrix: Water
Associated Lab Samples: 4044715001, 4044715002, 4044715003, 4044715004, 4044715005, 4044715006, 4044715007, 4044715008, 4044715009, 4044715010, 4044715011, 4044715012, 4044715013, 4044715014, 4044715015, 4044715016, 4044715017, 4044715020, 4044715021, 4044715022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	04/18/11 16:52	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	04/18/11 16:52	
1,1-Dichloroethane	ug/L	<0.75	1.0	04/18/11 16:52	
1,1-Dichloroethene	ug/L	<0.57	1.0	04/18/11 16:52	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	04/18/11 16:52	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	04/18/11 16:52	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	04/18/11 16:52	
1,2-Dichloroethane	ug/L	<0.36	1.0	04/18/11 16:52	
1,2-Dichloropropane	ug/L	<0.49	1.0	04/18/11 16:52	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	04/18/11 16:52	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	04/18/11 16:52	
2-Butanone (MEK)	ug/L	<4.3	20.0	04/18/11 16:52	
Acetone	ug/L	<5.0	20.0	04/18/11 16:52	
Benzene	ug/L	<0.41	1.0	04/18/11 16:52	
Bromodichloromethane	ug/L	<0.56	1.0	04/18/11 16:52	
Bromoform	ug/L	<0.94	1.0	04/18/11 16:52	
Bromomethane	ug/L	<0.91	1.0	04/18/11 16:52	
Carbon disulfide	ug/L	<0.66	1.0	04/18/11 16:52	
Carbon tetrachloride	ug/L	<0.49	1.0	04/18/11 16:52	
Chlorobenzene	ug/L	<0.41	1.0	04/18/11 16:52	
Chloroethane	ug/L	<0.97	1.0	04/18/11 16:52	
Chloroform	ug/L	<1.3	5.0	04/18/11 16:52	
Chloromethane	ug/L	<0.24	1.0	04/18/11 16:52	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	04/18/11 16:52	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	04/18/11 16:52	
Dibromochloromethane	ug/L	<0.81	1.0	04/18/11 16:52	
Dibromomethane	ug/L	<0.60	1.0	04/18/11 16:52	
Dichlorodifluoromethane	ug/L	<0.99	1.0	04/18/11 16:52	
Ethylbenzene	ug/L	<0.54	1.0	04/18/11 16:52	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	04/18/11 16:52	
Methylene Chloride	ug/L	<0.43	1.0	04/18/11 16:52	
Naphthalene	ug/L	<0.89	5.0	04/18/11 16:52	
Styrene	ug/L	<0.86	1.0	04/18/11 16:52	
Tetrachloroethene	ug/L	<0.45	1.0	04/18/11 16:52	
Tetrahydrofuran	ug/L	<1.7	5.0	04/18/11 16:52	
Toluene	ug/L	<0.67	1.0	04/18/11 16:52	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	04/18/11 16:52	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	04/18/11 16:52	
Trichloroethene	ug/L	<0.48	1.0	04/18/11 16:52	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

METHOD BLANK: 438061 Matrix: Water

Associated Lab Samples: 4044715001, 4044715002, 4044715003, 4044715004, 4044715005, 4044715006, 4044715007, 4044715008, 4044715009, 4044715010, 4044715011, 4044715012, 4044715013, 4044715014, 4044715015, 4044715016, 4044715017, 4044715020, 4044715021, 4044715022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	<0.79	1.0	04/18/11 16:52	
Vinyl chloride	ug/L	<0.18	1.0	04/18/11 16:52	
Xylene (Total)	ug/L	<2.6	3.0	04/18/11 16:52	
4-Bromofluorobenzene (S)	%	81	69-130	04/18/11 16:52	
Dibromofluoromethane (S)	%	97	70-134	04/18/11 16:52	
Toluene-d8 (S)	%	92	70-130	04/18/11 16:52	

LABORATORY CONTROL SAMPLE & LCSD: 438062 438063

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.9	57.6	114	115	70-132	1	20	
1,1,2-Trichloroethane	ug/L	50	53.8	54.1	108	108	70-130	.6	20	
1,1-Dichloroethane	ug/L	50	60.4	60.1	121	120	70-132	.4	20	
1,1-Dichloroethene	ug/L	50	54.2	56.0	108	112	70-137	3	20	
1,2-Dichloroethane	ug/L	50	56.1	56.4	112	113	70-130	.6	20	
1,2-Dichloropropane	ug/L	50	55.9	56.4	112	113	70-130	.9	20	
2-Butanone (MEK)	ug/L	50	50.5	50.1	101	100	50-150	.9	20	
Acetone	ug/L	50	44.8	45.2	90	90	50-150	.9	20	
Benzene	ug/L	50	59.7	60.3	119	121	70-130	1	20	
Bromodichloromethane	ug/L	50	55.3	55.2	111	110	70-131	.3	20	
Bromoform	ug/L	50	49.0	51.8	98	104	70-130	5	20	
Bromomethane	ug/L	50	51.1	61.8	102	124	53-160	19	20	
Carbon disulfide	ug/L	50	52.1	53.2	104	106	70-130	2	20	
Carbon tetrachloride	ug/L	50	60.3	61.4	121	123	70-130	2	20	
Chlorobenzene	ug/L	50	56.4	56.2	113	112	70-130	.4	20	
Chloroethane	ug/L	50	52.8	53.5	106	107	70-147	1	20	
Chloroform	ug/L	50	56.9	57.2	114	114	70-130	.6	20	
Chloromethane	ug/L	50	46.0	48.9	92	98	41-137	6	20	
cis-1,2-Dichloroethene	ug/L	50	55.8	56.2	112	112	70-130	.7	20	
cis-1,3-Dichloropropene	ug/L	50	52.6	52.8	105	106	70-130	.3	20	
Dibromochloromethane	ug/L	50	50.9	52.0	102	104	70-130	2	20	
Ethylbenzene	ug/L	50	56.4	57.2	113	114	70-130	1	20	
Methylene Chloride	ug/L	50	52.5	52.6	105	105	70-130	.3	20	
Styrene	ug/L	50	56.9	56.9	114	114	70-130	.08	20	
Tetrachloroethene	ug/L	50	55.2	54.7	110	109	70-130	.9	20	
Toluene	ug/L	50	57.5	57.3	115	115	70-130	.5	20	
trans-1,2-Dichloroethene	ug/L	50	57.4	59.8	115	120	70-130	4	20	
trans-1,3-Dichloropropene	ug/L	50	50.7	50.6	101	101	70-130	.2	20	
Trichloroethene	ug/L	50	58.2	57.0	116	114	70-130	2	20	
Vinyl chloride	ug/L	50	51.3	51.7	103	103	47-131	.8	20	
Xylene (Total)	ug/L	150	168	171	112	114	70-130	2	20	
4-Bromofluorobenzene (S)	%				85	87	69-130			
Dibromofluoromethane (S)	%				96	98	70-134			
Toluene-d8 (S)	%				96	96	70-130			

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 438110 438111

Parameter	Units	4044715017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	56.3	58.1	113	116	70-132	3	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	52.2	55.2	104	110	70-130	6	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	58.3	61.0	117	122	70-132	5	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	52.3	54.2	105	108	70-137	3	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	54.2	57.3	108	115	70-133	6	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	54.0	57.1	108	114	70-130	5	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	52.0	50.6	104	101	50-150	3	20	
Acetone	ug/L	<5.0	50	50	46.8	44.9	94	90	50-150	4	20	
Benzene	ug/L	<0.41	50	50	57.3	59.8	115	120	70-130	4	20	
Bromodichloromethane	ug/L	<0.56	50	50	52.5	54.5	105	109	70-131	4	20	
Bromoform	ug/L	<0.94	50	50	47.2	47.4	94	95	68-130	.4	20	
Bromomethane	ug/L	<0.91	50	50	55.2	61.9	110	124	47-177	11	20	
Carbon disulfide	ug/L	<0.66	50	50	45.2	40.2	90	80	60-130	12	29	
Carbon tetrachloride	ug/L	<0.49	50	50	60.4	59.9	121	120	70-149	.8	20	
Chlorobenzene	ug/L	<0.41	50	50	52.9	56.3	106	113	70-130	6	20	
Chloroethane	ug/L	<0.97	50	50	50.5	52.6	101	105	66-147	4	20	
Chloroform	ug/L	<1.3	50	50	55.3	58.2	111	116	70-130	5	20	
Chloromethane	ug/L	<0.24	50	50	40.8	46.2	82	92	41-137	12	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	54.6	58.0	108	115	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	50.9	49.6	102	99	70-130	3	20	
Dibromochloromethane	ug/L	<0.81	50	50	49.2	50.9	98	102	70-130	3	20	
Ethylbenzene	ug/L	<0.54	50	50	51.5	55.9	103	112	70-130	8	20	
Methylene Chloride	ug/L	<0.43	50	50	50.8	53.4	102	107	70-130	5	20	
Styrene	ug/L	<0.86	50	50	20.9	28.2	42	56	13-149	30	20	D6
Tetrachloroethene	ug/L	<0.45	50	50	52.9	56.1	106	112	70-130	6	20	
Toluene	ug/L	<0.67	50	50	52.5	56.3	105	113	70-130	7	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	55.5	57.6	111	115	70-130	4	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	47.5	47.2	95	94	70-130	.7	20	
Trichloroethene	ug/L	<0.48	50	50	55.1	58.6	110	117	70-130	6	20	
Vinyl chloride	ug/L	2.6	50	50	50.6	51.3	96	97	46-131	1	20	
Xylene (Total)	ug/L	<2.6	150	150	135	152	90	101	70-130	12	20	
4-Bromofluorobenzene (S)	%						85	87	69-130			
Dibromofluoromethane (S)	%						97	98	70-134			
Toluene-d8 (S)	%						95	96	70-130			

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

QC Batch: MSV/11000 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4044715023, 4044715024, 4044715027, 4044715028, 4044715029, 4044715030, 4044715031, 4044715032, 4044715033, 4044715034, 4044715035, 4044715036, 4044715037, 4044715038, 4044715039, 4044715040

METHOD BLANK: 438064 Matrix: Water
Associated Lab Samples: 4044715023, 4044715024, 4044715027, 4044715028, 4044715029, 4044715030, 4044715031, 4044715032, 4044715033, 4044715034, 4044715035, 4044715036, 4044715037, 4044715038, 4044715039, 4044715040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	04/19/11 06:51	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	04/19/11 06:51	
1,1-Dichloroethane	ug/L	<0.75	1.0	04/19/11 06:51	
1,1-Dichloroethene	ug/L	<0.57	1.0	04/19/11 06:51	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	04/19/11 06:51	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	04/19/11 06:51	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	04/19/11 06:51	
1,2-Dichloroethane	ug/L	<0.36	1.0	04/19/11 06:51	
1,2-Dichloropropane	ug/L	<0.49	1.0	04/19/11 06:51	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	04/19/11 06:51	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	04/19/11 06:51	
2-Butanone (MEK)	ug/L	<4.3	20.0	04/19/11 06:51	
Acetone	ug/L	<5.0	20.0	04/19/11 06:51	
Benzene	ug/L	<0.41	1.0	04/19/11 06:51	
Bromodichloromethane	ug/L	<0.56	1.0	04/19/11 06:51	
Bromoform	ug/L	<0.94	1.0	04/19/11 06:51	
Bromomethane	ug/L	<0.91	1.0	04/19/11 06:51	
Carbon disulfide	ug/L	<0.66	1.0	04/19/11 06:51	
Carbon tetrachloride	ug/L	<0.49	1.0	04/19/11 06:51	
Chlorobenzene	ug/L	<0.41	1.0	04/19/11 06:51	
Chloroethane	ug/L	<0.97	1.0	04/19/11 06:51	
Chloroform	ug/L	<1.3	5.0	04/19/11 06:51	
Chloromethane	ug/L	<0.24	1.0	04/19/11 06:51	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	04/19/11 06:51	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	04/19/11 06:51	
Dibromochloromethane	ug/L	<0.81	1.0	04/19/11 06:51	
Dibromomethane	ug/L	<0.60	1.0	04/19/11 06:51	
Dichlorodifluoromethane	ug/L	<0.99	1.0	04/19/11 06:51	
Ethylbenzene	ug/L	<0.54	1.0	04/19/11 06:51	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	04/19/11 06:51	
Methylene Chloride	ug/L	<0.43	1.0	04/19/11 06:51	
Naphthalene	ug/L	<0.89	5.0	04/19/11 06:51	
Styrene	ug/L	<0.86	1.0	04/19/11 06:51	
Tetrachloroethene	ug/L	<0.45	1.0	04/19/11 06:51	
Tetrahydrofuran	ug/L	<1.7	5.0	04/19/11 06:51	
Toluene	ug/L	<0.67	1.0	04/19/11 06:51	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	04/19/11 06:51	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	04/19/11 06:51	
Trichloroethene	ug/L	<0.48	1.0	04/19/11 06:51	
Trichlorofluoromethane	ug/L	<0.79	1.0	04/19/11 06:51	
Vinyl chloride	ug/L	<0.18	1.0	04/19/11 06:51	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

METHOD BLANK: 438064 Matrix: Water

Associated Lab Samples: 4044715023, 4044715024, 4044715027, 4044715028, 4044715029, 4044715030, 4044715031, 4044715032, 4044715033, 4044715034, 4044715035, 4044715036, 4044715037, 4044715038, 4044715039, 4044715040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Xylene (Total)	ug/L	<2.6	3.0	04/19/11 06:51	
4-Bromofluorobenzene (S)	%	96	69-130	04/19/11 06:51	
Dibromofluoromethane (S)	%	101	70-134	04/19/11 06:51	
Toluene-d8 (S)	%	105	70-130	04/19/11 06:51	

LABORATORY CONTROL SAMPLE & LCSD: 438065 438066

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.6	54.5	103	109	70-132	5	20	
1,1,2-Trichloroethane	ug/L	50	52.1	50.3	104	101	70-130	3	20	
1,1-Dichloroethane	ug/L	50	53.2	56.1	106	112	70-132	5	20	
1,1-Dichloroethene	ug/L	50	53.4	62.4	107	125	70-137	16	20	
1,2-Dichloroethane	ug/L	50	53.2	58.0	106	116	70-130	9	20	
1,2-Dichloropropane	ug/L	50	53.3	51.5	107	103	70-130	4	20	
2-Butanone (MEK)	ug/L	50	49.8	47.0	100	94	50-150	6	20	
Acetone	ug/L	50	53.5	50.7	107	101	50-150	5	20	
Benzene	ug/L	50	53.8	57.0	108	114	70-130	6	20	
Bromodichloromethane	ug/L	50	52.0	49.4	104	99	70-131	5	20	
Bromoform	ug/L	50	47.1	46.5	94	93	70-130	1	20	
Bromomethane	ug/L	50	39.1	40.2	78	80	53-160	3	20	
Carbon disulfide	ug/L	50	58.2	62.5	116	125	70-130	7	20	
Carbon tetrachloride	ug/L	50	50.2	54.2	100	108	70-130	8	20	
Chlorobenzene	ug/L	50	52.1	53.2	104	106	70-130	2	20	
Chloroethane	ug/L	50	46.5	51.5	93	103	70-147	10	20	
Chloroform	ug/L	50	50.8	51.5	102	103	70-130	1	20	
Chloromethane	ug/L	50	49.4	49.8	99	100	41-137	.8	20	
cis-1,2-Dichloroethene	ug/L	50	49.4	52.0	99	104	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	50	51.6	50.4	103	101	70-130	2	20	
Dibromochloromethane	ug/L	50	47.8	46.0	96	92	70-130	4	20	
Ethylbenzene	ug/L	50	55.6	55.5	111	111	70-130	.005	20	
Methylene Chloride	ug/L	50	53.4	57.3	107	115	70-130	7	20	
Styrene	ug/L	50	52.1	53.6	104	107	70-130	3	20	
Tetrachloroethene	ug/L	50	52.6	52.4	105	105	70-130	.3	20	
Toluene	ug/L	50	53.7	53.1	107	106	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	51.0	53.7	102	107	70-130	5	20	
trans-1,3-Dichloropropene	ug/L	50	45.0	45.3	90	91	70-130	.6	20	
Trichloroethene	ug/L	50	51.5	51.3	103	103	70-130	.6	20	
Vinyl chloride	ug/L	50	52.1	57.6	104	115	47-131	10	20	
Xylene (Total)	ug/L	150	166	168	110	112	70-130	1	20	
4-Bromofluorobenzene (S)	%				108	98	69-130			
Dibromofluoromethane (S)	%				106	105	70-134			
Toluene-d8 (S)	%				108	106	70-130			

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: FF/NN LANDFILL
Pace Project No.: 4044715

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 438107 438108

Parameter	Units	4044715024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	51.8	51.5	104	103	70-132	.6	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	49.9	48.7	100	97	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	51.8	52.2	104	104	70-132	.7	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	55.9	58.6	112	117	70-137	5	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	53.9	55.0	108	110	70-133	2	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	52.2	49.3	104	99	70-130	6	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	43.4	47.4	87	95	50-150	9	20	
Acetone	ug/L	<5.0	50	50	50.2	50.8	100	102	50-150	1	20	
Benzene	ug/L	<0.41	50	50	54.7	55.0	109	110	70-130	.6	20	
Bromodichloromethane	ug/L	<0.56	50	50	47.5	50.3	95	101	70-131	6	20	
Bromoform	ug/L	<0.94	50	50	47.5	48.5	95	97	68-130	2	20	
Bromomethane	ug/L	<0.91	50	50	36.6	38.4	73	77	47-177	5	20	
Carbon disulfide	ug/L	<0.66	50	50	59.7	59.1	119	118	60-130	1	29	
Carbon tetrachloride	ug/L	<0.49	50	50	50.6	49.1	101	98	70-149	3	20	
Chlorobenzene	ug/L	<0.41	50	50	50.8	53.9	102	108	70-130	6	20	
Chloroethane	ug/L	<0.97	50	50	48.4	48.9	97	98	66-147	1	20	
Chloroform	ug/L	<1.3	50	50	49.7	49.6	99	99	70-130	.2	20	
Chloromethane	ug/L	<0.24	50	50	45.4	45.6	91	91	41-137	.4	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	50.6	50.5	101	101	70-130	.2	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	50.5	51.9	101	104	70-130	3	20	
Dibromochloromethane	ug/L	<0.81	50	50	45.8	47.9	92	96	70-130	5	20	
Ethylbenzene	ug/L	<0.54	50	50	54.3	55.9	109	112	70-130	3	20	
Methylene Chloride	ug/L	<0.43	50	50	53.7	57.2	107	114	70-130	6	20	
Styrene	ug/L	<0.86	50	50	53.3	53.5	107	107	13-149	.4	20	
Tetrachloroethene	ug/L	<0.45	50	50	51.4	54.9	103	110	70-130	7	20	
Toluene	ug/L	<0.67	50	50	53.9	53.6	108	107	70-130	.6	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	50.1	50.7	100	101	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	44.8	47.5	90	95	70-130	6	20	
Trichloroethene	ug/L	<0.48	50	50	48.6	50.1	97	100	70-130	3	20	
Vinyl chloride	ug/L	<0.18	50	50	54.9	54.3	110	109	46-131	1	20	
Xylene (Total)	ug/L	<2.6	150	150	167	165	111	110	70-130	1	20	
4-Bromofluorobenzene (S)	%						103	103	69-130			
Dibromofluoromethane (S)	%						103	102	70-134			
Toluene-d8 (S)	%						108	106	70-130			

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: FF/NN LANDFILL
Pace Project No.: 4044715

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
Z3	Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

4044715

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

JBF

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	TETRATECH GEO
Branch/Location:	BROOKFIELD, WI
Project Contact:	MIKE NOEL
Phone:	(262)792-1282
Project Number:	117-2202040.11
Project Name:	FF/NN LANDFILL
Project State:	WI
Sampled By (Print):	ASHLEY A. WEIMER
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	MIKE NOEL
Mail To Company:	TETRATECH GEO
Mail To Address:	175 N. CORPORATE DR SUITE 100 BROOKFIELD, WI 53045
Invoice To Contact:	Same as above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO)
PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	Analysis Requested: Pick Letter	VOCs 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
					VOA	N		
					Pick Letter	B		
001	MW-107	4-11	15:25	GW		✓		3-40mL B
002	MW-111		15:35			✓		
003	MW-103		14:55			✓		
004	MW-101		14:40			✓		
005	P-101		16:10			✓		
006	MW-102		16:20			✓		
007	P-102		16:25			✓		
008	MW-104		16:35			✓		
009	MW-108		15:45			✓		
010	MW-112		15:10			✓		
011	P-108		16:00			✓		
012	MW-106		16:45			✓		
013	MW-108 DUP		15:50			✓		

Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	4-13-11 0800	[illegible]	4/15/11 0954
[illegible]	4/15/11 0700		
Fed Ex	4/16/11 0930	[illegible]	4/16/11 0930

PACE Project No.
4044715

Receipt Temp = 1.0Z °C
Sample Receipt pH OK / Adjusted NA
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 8.0 06/14/06

C019a(27Jun2006)

ORIGINAL

(Please Print Clearly)

Company Name:	TetraTech Geo
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	117-2202040.11
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	

Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4044715

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: VOCS 8260

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech Geo
Mail To Address:	175 N. Corporate DR Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as above
Invoice To Company:	↓
Invoice To Address:	↓
Invoice To Phone:	↓

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCS 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	P-104	4-12	14:35	GW	✓		3-40mL B	
015	P-106	↓	10:45	↓	✓		↓	
016	P-107		12:10		✓			
017	P-107 D		11:30		✓			
018	P-107 MS		12:15		✓			
019	P-107 MSD		12:20		✓			
020	P-103		14:00		✓			
021	P-103 D	↓	13:30		✓			
022	P-111 D	4-13	10:35		✓			
023	P-111 D Dup	↓	10:40		✓			
024	P-111		10:10		✓			
025	P-111 MS		10:15		✓			
026	P-111 MSD	↓	10:20	↓	✓		↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	4-15-11 0800	D. F[illegible]	4/15/11 0930
D. F[illegible]	4/15/11 [illegible]		
Fed Ex	4/16/11 0930	[illegible]	4/16/11 0930

PACE Project No. 4044715

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted NA

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

[redacted]

ORIGINAL

[redacted]

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4044715

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)

Company Name:	TetraTech Geo
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.11
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech Geo
Mail To Address:	175 N. Corporate DR Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as above
Invoice To Company:	↓
Invoice To Address:	↓
Invoice To Phone:	↓

FILTERED? (YES/NO) Y/N: N
PRESERVATION (CODE)* Pick Letter: B
Analyses Requested: VOCs 8260

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
027	P-113 B	4-13	13:30	GW	✓		3-40mL B	
028	P-113 A	↓	13:15	↓	✓		↓	
029	P-114		12:05		✓			
030	P-114 Dup		12:10		✓			
031	P-115		14:00		✓			
032	MW-3A		14:45		✓			
033	MW-3B		14:20		✓			
034	P-116	↓	11:20		✓			
035	LC-3	4-14	11:00		✓			
036	LC-2	↓	11:20	↓	✓		↓	
037	TB-1	—	—	DI	✓	Lab Prepared	2-40mL B	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	4-15-11 0800	[signature]	4/15/11 0932
[signature]	4/15/11 1700		
Fed Ex	4/16/11 0930	[signature]	4/16/11 0930

PACE Project No. 404475
Receipt Temp = 0.4 ROI °C
Sample Receipt pH OK / Adjusted NA
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4044715

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)

Company Name:	TetraTech Geo
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.11
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech Geo
Mail To Address:	175 N. Corporate Dr Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as above
Invoice To Company:	↓
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): Y/N — N
PRESERVATION (CODE)*: Pick Letter — B
Analyses Requested: VOCS 524.2

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCS 524.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
038	Gaastra	4-14	13:10	GW	✓		3-40mL B	
039	Ronde	4-14	13:50	GW	✓		↓	
040	TB-2	—	—	DI	✓		2-40mL B	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	4-15-11 0800	D. Faul	4/15/11 0930
D. Faul	4/15/11 1700		
Fed Ex	4/16/11 0930	[signature]	4/16/11 0930

PACE Project No. 4044715
Receipt Temp = 0 °C / R07 °C
Sample Receipt pH OK / Adjusted NA
Cooler Custody Seal
(Present) / Not Present
(Intact) / Not Intact

Version 6.0 06/14/06

C010n(27Jun2006)

ORI[redacted]

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: TetraTech GeD Project # 4044715

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None Other

Optional
Proj. Due Date:
Proj. Name:

Thermometer Used NA / JB **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature ROI / 0°C **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☑ yes ☐ no

Person examining contents:
Date: 4-16-11
Initials: BF

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4-18-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 05/02/11 Code: NNNN-S

NLS Project: 160984
NLS Customer: 94575

Fax: 920 469 8827 Phone: 800 736 2436

Client: Pace Analytical Services Inc (GB)
Attn: Brian D Basten
1241 Bellevue Street
Green Bay, WI 54302 2156

Project: FF/NN Landfill 4044715

Gaastra NLS ID: 608768
COC: Pace Matrix: DW
Collected: 04/14/11 13:10 Received: 04/22/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					04/26/11	EPA 524.2	721026460

Rohde NLS ID: 608769
COC: Pace Matrix: DW
Collected: 04/14/11 13:50 Received: 04/22/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					04/26/11	EPA 524.2	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 160984**

Project Description: FF/NN Landfill

Project Title: 4044715 **Template: SATRPACE** **Printed: 05/02/2011 10:24**

Sample: 608768 Gaastra Collected: 04/14/11 Analyzed: 04/26/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.16	0.52		
Bromobenzene	ND	ug/L	1	0.25	0.84		
Bromochloromethane	ND	ug/L	1	0.25	0.83		
Bromodichloromethane	ND	ug/L	1	0.33	1.1		
Bromoform	ND	ug/L	1	0.13	0.46		
Bromomethane	ND	ug/L	1	0.30	1.0		
n-Butylbenzene	ND	ug/L	1	0.34	1.1		
sec-Butylbenzene	ND	ug/L	1	0.37	1.2		
tert-Butylbenzene	ND	ug/L	1	0.35	1.2		
Carbon Tetrachloride	ND	ug/L	1	0.29	0.95		
Chlorobenzene	ND	ug/L	1	0.32	1.1		
Chloroethane	ND	ug/L	1	1.6	5.4		
Chloroform	ND	ug/L	1	0.24	0.79		
Chloromethane	ND	ug/L	1	0.29	0.95		
2-Chlorotoluene	ND	ug/L	1	0.19	0.62		
4-Chlorotoluene	ND	ug/L	1	0.24	0.81		
Dibromochloromethane	ND	ug/L	1	0.26	0.86		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.41	1.4		
1,2-Dibromoethane	ND	ug/L	1	0.33	1.1		
Dibromomethane	ND	ug/L	1	0.37	1.2		
1,2-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,3-Dichlorobenzene	ND	ug/L	1	0.34	1.1		
1,4-Dichlorobenzene	ND	ug/L	1	0.37	1.2		
Dichlorodifluoromethane	ND	ug/L	1	0.24	0.77		
1,1-Dichloroethane	ND	ug/L	1	0.23	0.75		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.53		
1,1-Dichloroethene	ND	ug/L	1	0.13	0.42		
cis-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
trans-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
1,2-Dichloropropane	ND	ug/L	1	0.32	1.1		
1,3-Dichloropropane	ND	ug/L	1	0.29	0.95		
2,2-Dichloropropane	ND	ug/L	1	0.31	1.0		
1,1-Dichloropropene	ND	ug/L	1	0.28	0.99		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.72		
trans-1,3-Dichloropropene	ND	ug/L	1	0.26	0.85		
Ethylbenzene	ND	ug/L	1	0.31	1.0		
Hexachlorobutadiene	ND	ug/L	1	0.38	1.3		
Isopropylbenzene	ND	ug/L	1	0.29	0.96		
p-Isopropyltoluene	ND	ug/L	1	0.41	1.4		
Methylene chloride	[0.87]	ug/L	1	0.29	0.98		
Naphthalene	ND	ug/L	1	0.34	1.1		
n-Propylbenzene	ND	ug/L	1	0.26	0.85		
ortho-Xylene	ND	ug/L	1	0.17	0.53		
Styrene	ND	ug/L	1	0.14	0.44		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.34	1.1		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.32	1.1		
Tetrachloroethene	ND	ug/L	1	0.11	0.39		
Toluene	ND	ug/L	1	0.26	0.85		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.2		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.43	1.4		
1,1,1-Trichloroethane	ND	ug/L	1	0.23	0.78		
1,1,2-Trichloroethane	ND	ug/L	1	0.16	0.50		
Trichloroethene	ND	ug/L	1	0.28	0.93		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 160984**

Project Description: FF/NN Landfill

Project Title: 4044715 **Template: SATRPACE** **Printed: 05/02/2011 10:24**

Sample: 608768 Gaastra Collected: 04/14/11 Analyzed: 04/26/11

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.31	1.0		
1,2,3-Trichloropropane	ND	ug/L	1	0.36	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.34	1.1		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.22	0.74		
Vinyl chloride	ND	ug/L	1	0.20	0.66		
meta,para-Xylene	ND	ug/L	1	0.48	1.9		
MTBE	ND	ug/L	1	0.24	0.79		
Acetone	ND	ug/L	1	0.51	1.6		
Carbon disulfide	ND	ug/L	1	0.25	0.84		
Vinyl Acetate	ND	ug/L	1	0.42	1.3		
Methyl ethyl ketone	ND	ug/L	1	1.1	3.7		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.50	1.7		
4-Bromofluorobenzene (SURR)	111%						S
1,2-Dichlorobenzene - d4 (SURR)	102%						S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quali y control of a method.

An unidentifiable non-target compound was present at a high level.

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 160984**
Project Description: FF/NN Landfill
Project Title: 4044715 **Template: SATRPACE** **Printed: 05/02/2011 10:24**

Sample: 608769 Rohde Collected: 04/14/11 Analyzed: 04/26/11

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.16	0.52		
Bromobenzene	ND	ug/L	1	0.25	0.84		
Bromochloromethane	ND	ug/L	1	0.25	0.83		
Bromodichloromethane	ND	ug/L	1	0.33	1.1		
Bromoform	ND	ug/L	1	0.13	0.46		
Bromomethane	ND	ug/L	1	0.30	1.0		
n-Butylbenzene	ND	ug/L	1	0.34	1.1		
sec-Butylbenzene	ND	ug/L	1	0.37	1.2		
tert-Butylbenzene	ND	ug/L	1	0.35	1.2		
Carbon Tetrachloride	ND	ug/L	1	0.29	0.95		
Chlorobenzene	ND	ug/L	1	0.32	1.1		
Chloroethane	ND	ug/L	1	1.6	5.4		
Chloroform	ND	ug/L	1	0.24	0.79		
Chloromethane	ND	ug/L	1	0.29	0.95		
2-Chlorotoluene	ND	ug/L	1	0.19	0.62		
4-Chlorotoluene	ND	ug/L	1	0.24	0.81		
Dibromochloromethane	ND	ug/L	1	0.26	0.86		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.41	1.4		
1,2-Dibromoethane	ND	ug/L	1	0.33	1.1		
Dibromomethane	ND	ug/L	1	0.37	1.2		
1,2-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,3-Dichlorobenzene	ND	ug/L	1	0.34	1.1		
1,4-Dichlorobenzene	ND	ug/L	1	0.37	1.2		
Dichlorodifluoromethane	ND	ug/L	1	0.24	0.77		
1,1-Dichloroethane	ND	ug/L	1	0.23	0.75		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.53		
1,1-Dichloroethene	ND	ug/L	1	0.13	0.42		
cis-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
trans-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
1,2-Dichloropropane	ND	ug/L	1	0.32	1.1		
1,3-Dichloropropane	ND	ug/L	1	0.29	0.95		
2,2-Dichloropropane	ND	ug/L	1	0.31	1.0		
1,1-Dichloropropene	ND	ug/L	1	0.28	0.99		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.72		
trans-1,3-Dichloropropene	ND	ug/L	1	0.26	0.85		
Ethylbenzene	ND	ug/L	1	0.31	1.0		
Hexachlorobutadiene	ND	ug/L	1	0.38	1.3		
Isopropylbenzene	ND	ug/L	1	0.29	0.96		
p-Isopropyltoluene	ND	ug/L	1	0.41	1.4		
Methylene chloride	ND	ug/L	1	0.29	0.98		
Naphthalene	ND	ug/L	1	0.34	1.1		
n-Propylbenzene	ND	ug/L	1	0.26	0.85		
ortho-Xylene	ND	ug/L	1	0.17	0.53		
Styrene	ND	ug/L	1	0.14	0.44		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.34	1.1		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.32	1.1		
Tetrachloroethene	ND	ug/L	1	0.11	0.39		
Toluene	ND	ug/L	1	0.26	0.85		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.2		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.43	1.4		
1,1,1-Trichloroethane	ND	ug/L	1	0.23	0.78		
1,1,2-Trichloroethane	ND	ug/L	1	0.16	0.50		
Trichloroethene	ND	ug/L	1	0.28	0.93		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 160984**

Project Description: FF/NN Landfill

Project Title: 4044715 **Template: SATRPACE** **Printed: 05/02/2011 10:24**

Sample: 608769 Ronde Collected: 04/14/11 Analyzed: 04/26/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.31	1.0		
1,2,3-Trichloropropane	ND	ug/L	1	0.36	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.34	1.1		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.22	0.74		
Vinyl chloride	ND	ug/L	1	0.20	0.66		
meta,para-Xylene	ND	ug/L	1	0.48	1.9		
MTBE	ND	ug/L	1	0.24	0.79		
Acetone	ND	ug/L	1	0.51	1.6		
Carbon disulfide	ND	ug/L	1	0.25	0.84		
Vinyl Acetate	ND	ug/L	1	0.42	1.3		
Methyl ethyl ketone	ND	ug/L	1	1.1	3.7		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.50	1.7		
4-Bromofluorobenzene (SURR)	102%						S
1,2-Dichlorobenzene - d4 (SURR)	97%						S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

Chain of Custody

Pace Analytical
www.pacelabs.com

Workorder: 4044715 Workorder Name: FF/NN LANDFILL Results Requested 5/2/2011

Report/ Invoice To	Subcontract To	P.O.
Pace Analytical Brian Basten 1241 Bellevue St, STE 9 Green Bay, WI 54302	NLS	

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	SDWA VOC 524.2	LAB USE ONLY
1	GAASTRA	4/14/2011 13:10	4044715038	Water	2	X	608 7108
2	ROHDE	4/14/2011 13:50	4044715039	Water	2	X	608 7109
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[redacted] 4/21/11	1700	WAGCO	
2			[redacted]	
3			[redacted]	4-22-11 12:5
4				
5				

Comments: Need WI DNR GEMS EDD

State of Wisconsin
Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION
Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

* **Prepare one form for each license or monitoring ID.**
* **Please type or print legibly.**
* Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
* Attach a notification of any gas values that attain or exceed explosive gas levels.
* Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/3
Bureau of Waste and Materials Management
Wisconsin Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53707 - 7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):
Northern Lake Service, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:
Name: Chris Soake Phone: 715-478-2777
E-mail: lims@nlslab.com

Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
FF/NN Landfill	00467		APRIL -14-2011

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
APRIL -2011

Type of Data Submitted (Check all that apply)

- ☐ Groundwater monitoring data from monitoring wells
- ☐ Groundwater monitoring data from private water supply wells
- ☐ Leachate monitoring data
- ☐ Gas monitoring data
- ☐ Air monitoring data
- ☐ Other (specify) _____

Notification attached?

- ☐ No. No groundwater standards or explosive gas limits were exceeded.
- ☐ Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- ☐ Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachements are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significant of concentrations exceeding groundwater standards.

Facility Representative Name (Print) Title (Area Code) Telephone No.

Signature Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

☐ Found uploading problems on _____ Initials _____
☐ Notified contact of problems on _____ Uploaded data successfully on _____
EDD format(s): ☐ Diskette ☐ CD (initial submittal and follow-up) ☐ E-mail (follow-up only) Other _____

Pace Analytical Services Inc (GB)
FF/NN Landfill
01-APR-11

Lab ID: 721026460
NLS Project: 160984
Collected: 01-APR-11
License: 00467
FID:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES	ACL	Comments
Gaastra	Methylene chloride	ug/L	0.87	.5	5		NR140

Notes: site = site assigned PAL/ES : well = well assigned PAL/ES : NR140 = NR140.1 PAL/ES

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 27, 2011

Mike Noel
GEOTRANS, INC.
175 NORTH CORPORATE DRIVE
SUITE 100
Brookfield, WI 53045

RE: Project: FF/NN LANDFILL
Pace Project No.: 4044746

Dear Mike Noel:
Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Nelson Olavarria, Cooper Industries

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: FF/NN LANDFILL
Pace Project No.: 4044746

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4044746001	PERRY/WATKINS	Water	04/18/11 09:45	04/19/11 09:45

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 160839
NLS Customer: 94575

Fax: 920 469 8827 Phone: 800 736 2436

Client: Pace Analytical Services Inc (GB)
Attn: Brian D Basten
1241 Bellevue Street
Green Bay, WI 54302 2156

Project: 4044746 FF/NN Landfill

Perry/Watkins 4044746001 NLS ID: 608331
COC: Pace:1 Matrix: DW
Collected: 04/18/11 09:45 Received: 04/20/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					04/21/11	EPA 524.2	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 160839**

Project Description: 4044746

Project Title: FF/NN Landfill **Template: SATRPACE Printed: 04/26/2011 16:03**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.16	0.52		
Bromobenzene	ND	ug/L	1	0.25	0.84		
Bromochloromethane	ND	ug/L	1	0.25	0.83		
Bromodichloromethane	ND	ug/L	1	0.33	1.1		
Bromoform	ND	ug/L	1	0.13	0.46		
Bromomethane	ND	ug/L	1	0.30	1.0		
n-Butylbenzene	ND	ug/L	1	0.34	1.1		
sec-Butylbenzene	ND	ug/L	1	0.37	1.2		
tert-Butylbenzene	ND	ug/L	1	0.35	1.2		
Carbon Tetrachloride	ND	ug/L	1	0.29	0.95		
Chlorobenzene	ND	ug/L	1	0.32	1.1		
Chloroethane	ND	ug/L	1	1.6	5.4		
Chloroform	ND	ug/L	1	0.24	0.79		
Chloromethane	ND	ug/L	1	0.29	0.95		
2-Chlorotoluene	ND	ug/L	1	0.19	0.62		
4-Chlorotoluene	ND	ug/L	1	0.24	0.81		
Dibromochloromethane	ND	ug/L	1	0.26	0.86		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.41	1.4		
1,2-Dibromoethane	ND	ug/L	1	0.33	1.1		
Dibromomethane	ND	ug/L	1	0.37	1.2		
1,2-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,3-Dichlorobenzene	ND	ug/L	1	0.34	1.1		
1,4-Dichlorobenzene	ND	ug/L	1	0.37	1.2		
Dichlorodifluoromethane	ND	ug/L	1	0.24	0.77		
1,1-Dichloroethane	ND	ug/L	1	0.23	0.75		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.53		
1,1-Dichloroethene	ND	ug/L	1	0.13	0.42		
cis-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
trans-1,2-Dichloroethene	ND	ug/L	1	0.30	1.0		
1,2-Dichloropropane	ND	ug/L	1	0.32	1.1		
1,3-Dichloropropane	ND	ug/L	1	0.29	0.95		
2,2-Dichloropropane	ND	ug/L	1	0.31	1.0		
1,1-Dichloropropene	ND	ug/L	1	0.28	0.99		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.72		
trans-1,3-Dichloropropene	ND	ug/L	1	0.26	0.85		
Ethylbenzene	ND	ug/L	1	0.31	1.0		
Hexachlorobutadiene	ND	ug/L	1	0.38	1.3		
Isopropylbenzene	ND	ug/L	1	0.29	0.96		
p-Isopropyltoluene	ND	ug/L	1	0.41	1.4		
Methylene chloride	[0.49]	ug/L	1	0.29	0.98		
Naphthalene	ND	ug/L	1	0.34	1.1		
n-Propylbenzene	ND	ug/L	1	0.26	0.85		
ortho-Xylene	ND	ug/L	1	0.17	0.53		
Styrene	ND	ug/L	1	0.14	0.44		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.34	1.1		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.32	1.1		
Tetrachloroethene	ND	ug/L	1	0.11	0.39		
Toluene	ND	ug/L	1	0.26	0.85		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.2		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.43	1.4		
1,1,1-Trichloroethane	ND	ug/L	1	0.23	0.78		
1,1,2-Trichloroethane	ND	ug/L	1	0.16	0.50		
Trichloroethene	ND	ug/L	1	0.28	0.93		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn R)
Customer: Pace Analytical Services Inc (GB) **NLS Projec : 160839**
Project Description: 4044746
Project Title: FF/NN Landfill **Template: SATRPACE** **Printed: 04/26/2011 16:03**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.31	1.0		
1,2,3-Trichloropropane	ND	ug/L	1	0.36	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.34	1.1		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.22	0.74		
Vinyl chloride	ND	ug/L	1	0.20	0.66		
meta,para-Xylene	ND	ug/L	1	0.48	1.9		
MTBE	ND	ug/L	1	0.24	0.79		
Acetone	ND	ug/L	1	0.51	1.6		
Carbon disulfide	ND	ug/L	1	0.25	0.84		
Vinyl Acetate	ND	ug/L	1	0.42	1.3		
Methyl ethyl ketone	ND	ug/L	1	1.1	3.7		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.50	1.7		
4-Bromofluorobenzene (SURR)	92%						S
1,2-Dichlorobenzene - d4 (SURR)	76%						S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.

(Please Print Clearly)	
Company Name:	TetraTech Geo
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.11
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Jack Wendler
Sampled By (Sign):	Jack Wendler
PO #:	
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

km

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4044746

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech Geo
Mail To Address:	175 N. Corporate Dr Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as above
Invoice To Company:	↓
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): Y/N — N
PRESERVATION (CODE)*: Pick Letter — J
Analyses Requested: VOCs 524.2

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs 524.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	Perry/Watkins	4.18.11	0945	GW	✓	3 40mls vials	3-40ml B	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jack Wendler	4.18.11 1030		
Fed Ex	4/19/11 0945	K Mielke Pace GB	4/19/11 0945

PACE Project No. 4044746
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted N/A
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: TETRA Tech GEO Project # 40447446

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used N/A Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature 20I Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional: Proj. Due Date: Proj. Name:

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 4/19/11
Initials: KM

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed: _____ Lot # of added preservative: _____
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4-19-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 10, 2011

Mr. Nelson Olavarria
Cooper Industries
600 Travis Street
Suite 5600
Houston, TX 77002

RE: Project: FF/NN Landfill
Pace Project No.: 3045636

Dear Mr. Olavarria:
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com
Project Manager

Enclosures

cc: Mr. Michael Noel, Geotrans, Inc.

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: FF/NN Landfill
Pace Project No.: 3045636

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: FF/NN Landfill
Pace Project No.: 3045636

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3045636001	LC-1	Air	04/25/11 08:18	04/27/11 14:43
3045636002	LC-2	Air	04/25/11 08:07	04/27/11 14:43
3045636003	LC-3	Air	04/25/11 08:01	04/27/11 14:43
3045636004	GV-6	Air	04/25/11 08:12	04/27/11 14:43
3045636005	GP-3	Air	04/25/11 08:26	04/27/11 14:43

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: FF/NN Landfill
Pace Project No.: 3045636

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3045636001	LC-1	TO-14 Ambient Air	CJR	40	PASI-M
3045636002	LC-2	TO-14 Ambient Air	CJR	40	PASI-M
3045636003	LC-3	TO-14 Ambient Air	CJR	40	PASI-M
3045636004	GV-6	TO-14 Ambient Air	CJR	40	PASI-M
3045636005	GP-3	TO-14 Ambient Air	CJR	40	PASI-M

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3045636

Sample: LC-1 **Lab ID: 3045636001** Collected: 04/25/11 08:18 Received: 04/27/11 14:43 Matrix: Air

Comments: • The sample was analyzed by serial dilution.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 AmbientAir								
Benzene	**83.2**	ppbv	48.9	24.4	97.72		05/10/11 00:37	71-43-2	
Bromomethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	74-83-9	
Carbon tetrachloride	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	56-23-5	
Chlorobenzene	**74.9**	ppbv	48.9	24.4	97.72		05/10/11 00:37	108-90-7	
Chloroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-00-3	
Chloroform	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	67-66-3	
Chloromethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	106-46-7	
Dichlorodifluoromethane	**542**	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-71-8	
1,1-Dichloroethane	**70.7**	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-34-3	
1,2-Dichloroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	107-06-2	
1,1-Dichloroethene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	156-60-5	
1,2-Dichloropropane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	10061-02-6	
Dichlorotetrafluoroethane	**193**	ppbv	48.9	24.4	97.72		05/10/11 00:37	76-14-2	
Ethylbenzene	**193**	ppbv	48.9	24.4	97.72		05/10/11 00:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	87-68-3	
Methylene Chloride	**665**	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-09-2	
Styrene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	79-34-5	
Tetrachloroethene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	127-18-4	
THC as Gas	**11400**	ppbv	3420	1710	97.72		05/10/11 00:37		
Toluene	**68.8**	ppbv	48.9	24.4	97.72		05/10/11 00:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	79-00-5	
Trichloroethene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	79-01-6	
Trichlorofluoromethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	108-67-8	
Vinyl chloride	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	75-01-4	
m&p-Xylene	**309**	ppbv	97.7	48.9	97.72		05/10/11 00:37	179601-23-1	
o-Xylene	ND	ppbv	48.9	24.4	97.72		05/10/11 00:37	95-47-6	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3045636

Sample: LC-2 **Lab ID: 3045636002** Collected: 04/25/11 08:07 Received: 04/27/11 14:43 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	71-43-2	
Bromomethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	74-83-9	
Carbon tetrachloride	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	56-23-5	
Chlorobenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	108-90-7	
Chloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-00-3	
Chloroform	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	67-66-3	
Chloromethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	76-14-2	
Ethylbenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	87-68-3	
Methylene Chloride	**10.3**	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-09-2	
Styrene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	79-34-5	
Tetrachloroethene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	127-18-4	
THC as Gas	**95.9**	ppbv	55.6	27.8	1.59		05/05/11 14:56		
Toluene	**3.6**	ppbv	0.80	0.40	1.59		05/05/11 14:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	79-00-5	
Trichloroethene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	76-13-1	
1,2,4-Trimethylbenzene	**0.83**	ppbv	0.80	0.40	1.59		05/05/11 14:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	108-67-8	
Vinyl chloride	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	75-01-4	
m&p-Xylene	ND	ppbv	1.6	0.80	1.59		05/05/11 14:56	179601-23-1	
o-Xylene	ND	ppbv	0.80	0.40	1.59		05/05/11 14:56	95-47-6	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3045636

Sample: LC-3 **Lab ID: 3045636003** Collected: 04/25/11 08:01 Received: 04/27/11 14:43 Matrix: Air

Comments: • The sample was analyzed by serial dilution.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	71-43-2	
Bromomethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	74-83-9	
Carbon tetrachloride	ND	ppbv	1830	915	3660.8		05/07/11 00:44	56-23-5	
Chlorobenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	108-90-7	
Chloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-00-3	
Chloroform	ND	ppbv	1830	915	3660.8		05/07/11 00:44	67-66-3	
Chloromethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1830	915	3660.8		05/07/11 00:44	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-71-8	
1,1-Dichloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-34-3	
1,2-Dichloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	107-06-2	
1,1-Dichloroethene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-35-4	
cis-1,2-Dichloroethene	**34600**	ppbv	1830	915	3660.8		05/07/11 00:44	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	156-60-5	
1,2-Dichloropropane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	76-14-2	
Ethylbenzene	**3540**	ppbv	1830	915	3660.8		05/07/11 00:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	87-68-3	
Methylene Chloride	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-09-2	
Styrene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	79-34-5	
Tetrachloroethene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	127-18-4	
THC as Gas	**299000**	ppbv	128000	64100	3660.8		05/07/11 00:44		
Toluene	**44400**	ppbv	1830	915	3660.8		05/07/11 00:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	79-00-5	
Trichloroethene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	79-01-6	
Trichlorofluoromethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1830	915	3660.8		05/07/11 00:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1830	915	3660.8		05/07/11 00:44	108-67-8	
Vinyl chloride	**27600**	ppbv	1830	915	3660.8		05/07/11 00:44	75-01-4	
m&p-Xylene	**6490**	ppbv	3660	1830	3660.8		05/07/11 00:44	179601-23-1	
o-Xylene	**1880**	ppbv	1830	915	3660.8		05/07/11 00:44	95-47-6	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3045636

Sample: GV-6 **Lab ID: 3045636004** Collected: 04/25/11 08:12 Received: 04/27/11 14:43 Matrix: Air

Comments: • The sample was analyzed by serial dilution.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	71-43-2	
Bromomethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	74-83-9	
Carbon tetrachloride	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	56-23-5	
Chlorobenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	108-90-7	
Chloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-00-3	
Chloroform	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	67-66-3	
Chloromethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	106-46-7	
Dichlorodifluoromethane	**192**	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-71-8	
1,1-Dichloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-34-3	
1,2-Dichloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	107-06-2	
1,1-Dichloroethene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	156-60-5	
1,2-Dichloropropane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	10061-02-6	
Dichlorotetrafluoroethane	**184**	ppbv	63.5	31.7	126.92		05/10/11 01:07	76-14-2	
Ethylbenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	87-68-3	
Methylene Chloride	**4260**	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-09-2	E
Styrene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	79-34-5	
Tetrachloroethene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	127-18-4	
THC as Gas	ND	ppbv	4440	2220	126.92		05/10/11 01:07		
Toluene	**86.0**	ppbv	63.5	31.7	126.92		05/10/11 01:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	79-00-5	
Trichloroethene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	79-01-6	
Trichlorofluoromethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	108-67-8	
Vinyl chloride	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	75-01-4	
m&p-Xylene	ND	ppbv	127	63.5	126.92		05/10/11 01:07	179601-23-1	
o-Xylene	ND	ppbv	63.5	31.7	126.92		05/10/11 01:07	95-47-6	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3045636

Sample: GP-3 **Lab ID: 3045636005** Collected: 04/25/11 08:26 Received: 04/27/11 14:43 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	71-43-2	
Bromomethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	74-83-9	
Carbon tetrachloride	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	56-23-5	
Chlorobenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	108-90-7	
Chloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-00-3	
Chloroform	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	67-66-3	
Chloromethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	106-46-7	
Dichlorodifluoromethane	**6.5**	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-35-4	
cis-1,2-Dichloroethene	**19.0**	ppbv	1.3	0.64	2.57		05/10/11 00:02	156-59-2	
trans-1,2-Dichloroethene	**3.0**	ppbv	1.3	0.64	2.57		05/10/11 00:02	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	76-14-2	
Ethylbenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	87-68-3	
Methylene Chloride	**52.2**	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-09-2	
Styrene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	79-34-5	
Tetrachloroethene	**1.3**	ppbv	1.3	0.64	2.57		05/10/11 00:02	127-18-4	
THC as Gas	ND	ppbv	90.0	45.0	2.57		05/10/11 00:02		
Toluene	**3.4**	ppbv	1.3	0.64	2.57		05/10/11 00:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	79-00-5	
Trichloroethene	**18.4**	ppbv	1.3	0.64	2.57		05/10/11 00:02	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	108-67-8	
Vinyl chloride	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	75-01-4	
m&p-Xylene	ND	ppbv	2.6	1.3	2.57		05/10/11 00:02	179601-23-1	
o-Xylene	ND	ppbv	1.3	0.64	2.57		05/10/11 00:02	95-47-6	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

QC Batch: AIR/12239
QC Batch Method: TO-14 Ambient Air
Analysis Method: TO-14 Ambient Air
Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3045636002

METHOD BLANK: 971466
Matrix: Air
Associated Lab Samples: 3045636002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	05/05/11 14:12	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	05/05/11 14:12	
1,1,2-Trichloroethane	ppbv	ND	0.50	05/05/11 14:12	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	05/05/11 14:12	
1,1-Dichloroethane	ppbv	ND	0.50	05/05/11 14:12	
1,1-Dichloroethene	ppbv	ND	0.50	05/05/11 14:12	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	05/05/11 14:12	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	05/05/11 14:12	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	05/05/11 14:12	
1,2-Dichlorobenzene	ppbv	ND	0.50	05/05/11 14:12	
1,2-Dichloroethane	ppbv	ND	0.50	05/05/11 14:12	
1,2-Dichloropropane	ppbv	ND	0.50	05/05/11 14:12	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	05/05/11 14:12	
1,3-Dichlorobenzene	ppbv	ND	0.50	05/05/11 14:12	
1,4-Dichlorobenzene	ppbv	ND	0.50	05/05/11 14:12	
Benzene	ppbv	ND	0.50	05/05/11 14:12	
Bromomethane	ppbv	ND	0.50	05/05/11 14:12	
Carbon tetrachloride	ppbv	ND	0.50	05/05/11 14:12	
Chlorobenzene	ppbv	ND	0.50	05/05/11 14:12	
Chloroethane	ppbv	ND	0.50	05/05/11 14:12	
Chloroform	ppbv	ND	0.50	05/05/11 14:12	
Chloromethane	ppbv	ND	0.50	05/05/11 14:12	
cis-1,2-Dichloroethene	ppbv	ND	0.50	05/05/11 14:12	
cis-1,3-Dichloropropene	ppbv	ND	0.50	05/05/11 14:12	
Dichlorodifluoromethane	ppbv	ND	0.50	05/05/11 14:12	
Dichlorotetrafluoroethane	ppbv	ND	0.50	05/05/11 14:12	
Ethylbenzene	ppbv	ND	0.50	05/05/11 14:12	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	05/05/11 14:12	
m&p-Xylene	ppbv	ND	1.0	05/05/11 14:12	
Methylene Chloride	ppbv	ND	0.50	05/05/11 14:12	
o-Xylene	ppbv	ND	0.50	05/05/11 14:12	
Styrene	ppbv	ND	0.50	05/05/11 14:12	
Tetrachloroethene	ppbv	ND	0.50	05/05/11 14:12	
THC as Gas	ppbv	ND	35.0	05/05/11 14:12	
Toluene	ppbv	ND	0.50	05/05/11 14:12	
trans-1,2-Dichloroethene	ppbv	ND	0.50	05/05/11 14:12	
trans-1,3-Dichloropropene	ppbv	ND	0.50	05/05/11 14:12	
Trichloroethene	ppbv	ND	0.50	05/05/11 14:12	
Trichlorofluoromethane	ppbv	ND	0.50	05/05/11 14:12	
Vinyl chloride	ppbv	ND	0.50	05/05/11 14:12	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

LABORATORY CONTROL SAMPLE: 971467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	8.3	83	66-133	
1,1,2,2-Tetrachloroethane	ppbv	10	9.6	96	70-140	
1,1,2-Trichloroethane	ppbv	10	10.1	101	68-132	
1,1,2-Trichlorotrifluoroethane	ppbv	10	9.7	97	60-137	
1,1-Dichloroethane	ppbv	10	10.1	101	65-131	
1,1-Dichloroethene	ppbv	10	9.4	94	65-132	
1,2,4-Trichlorobenzene	ppbv	10	11.1	111	30-150	
1,2,4-Trimethylbenzene	ppbv	10	9.4	94	69-140	
1,2-Dibromoethane (EDB)	ppbv	10	9.7	97	71-139	
1,2-Dichlorobenzene	ppbv	10	10.4	104	68-139	
1,2-Dichloroethane	ppbv	10	8.9	89	66-132	
1,2-Dichloropropane	ppbv	10	10.8	108	69-130	
1,3,5-Trimethylbenzene	ppbv	10	9.3	93	70-141	
1,3-Dichlorobenzene	ppbv	10	9.4	94	66-146	
1,4-Dichlorobenzene	ppbv	10	10.3	103	66-142	
Benzene	ppbv	10	10.7	107	69-129	
Bromomethane	ppbv	10	9.9	99	67-127	
Carbon tetrachloride	ppbv	10	8.9	89	62-137	
Chlorobenzene	ppbv	10	11.0	110	72-133	
Chloroethane	ppbv	10	11.1	111	66-127	
Chloroform	ppbv	10	9.4	94	67-130	
Chloromethane	ppbv	10	9.7	97	63-127	
cis-1,2-Dichloroethene	ppbv	10	10.9	109	69-130	
cis-1,3-Dichloropropene	ppbv	10	10.2	102	74-137	
Dichlorodifluoromethane	ppbv	10	8.7	87	62-131	
Dichlorotetrafluoroethane	ppbv	10	9.5	95	63-130	
Ethylbenzene	ppbv	10	9.6	96	71-141	
Hexachloro-1,3-butadiene	ppbv	10	13.2	132	30-150	CH
m&p-Xylene	ppbv	20	18.3	91	68-144	
Methylene Chloride	ppbv	10	9.5	95	56-143	
o-Xylene	ppbv	10	9.0	90	70-141	
Styrene	ppbv	10	10	100	68-145	
Tetrachloroethene	ppbv	10	10.3	103	64-142	
THC as Gas	ppbv	700	903	129	66-134	
Toluene	ppbv	10	10.3	103	69-133	
trans-1,2-Dichloroethene	ppbv	10	10.8	108	64-132	
trans-1,3-Dichloropropene	ppbv	10	9.7	97	71-140	
Trichloroethene	ppbv	10	10.9	109	68-132	
Trichlorofluoromethane	ppbv	10	8.6	86	59-136	
Vinyl chloride	ppbv	10	10.8	108	64-129	

SAMPLE DUPLICATE: 971804

Parameter	Units	3045636002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	ND		30	
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		30	
1,1,2-Trichloroethane	ppbv	ND	ND		30	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

SAMPLE DUPLICATE: 971804

Parameter	Units	3045636002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		30	
1,1-Dichloroethane	ppbv	ND	ND		30	
1,1-Dichloroethene	ppbv	ND	ND		30	
1,2,4-Trichlorobenzene	ppbv	ND	ND		30	
1,2,4-Trimethylbenzene	ppbv	0.83	0.81	3	30	
1,2-Dibromoethane (EDB)	ppbv	ND	ND		30	
1,2-Dichlorobenzene	ppbv	ND	ND		30	
1,2-Dichloroethane	ppbv	ND	ND		30	
1,2-Dichloropropane	ppbv	ND	ND		30	
1,3,5-Trimethylbenzene	ppbv	ND	ND		30	
1,3-Dichlorobenzene	ppbv	ND	ND		30	
1,4-Dichlorobenzene	ppbv	ND	ND		30	
Benzene	ppbv	ND	ND		30	
Bromomethane	ppbv	ND	ND		30	
Carbon tetrachloride	ppbv	ND	ND		30	
Chlorobenzene	ppbv	ND	ND		30	
Chloroethane	ppbv	ND	ND		30	
Chloroform	ppbv	ND	ND		30	
Chloromethane	ppbv	ND	.58J		30	
cis-1,2-Dichloroethene	ppbv	ND	ND		30	
cis-1,3-Dichloropropene	ppbv	ND	ND		30	
Dichlorodifluoromethane	ppbv	ND	.48J		30	
Dichlorotetrafluoroethane	ppbv	ND	ND		30	
Ethylbenzene	ppbv	ND	ND		30	
Hexachloro-1,3-butadiene	ppbv	ND	ND		30	
m&p-Xylene	ppbv	ND	.85J		30	
Methylene Chloride	ppbv	10.3	9.6	6	30	
o-Xylene	ppbv	ND	ND		30	
Styrene	ppbv	ND	ND		30	
Tetrachloroethene	ppbv	ND	ND		30	
THC as Gas	ppbv	95.9	95.9	.04	30	
Toluene	ppbv	3.6	3.4	6	30	
trans-1,2-Dichloroethene	ppbv	ND	ND		30	
trans-1,3-Dichloropropene	ppbv	ND	ND		30	
Trichloroethene	ppbv	ND	ND		30	
Trichlorofluoromethane	ppbv	ND	ND		30	
Vinyl chloride	ppbv	ND	ND		30	

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

QC Batch: AIR/12243
QC Batch Method: TO-14 Ambient Air
Analysis Method: TO-14 Ambient Air
Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3045636003

METHOD BLANK: 972164
Matrix: Air
Associated Lab Samples: 3045636003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	05/06/11 13:52	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	05/06/11 13:52	
1,1,2-Trichloroethane	ppbv	ND	0.50	05/06/11 13:52	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	05/06/11 13:52	
1,1-Dichloroethane	ppbv	ND	0.50	05/06/11 13:52	
1,1-Dichloroethene	ppbv	ND	0.50	05/06/11 13:52	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	05/06/11 13:52	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	05/06/11 13:52	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	05/06/11 13:52	
1,2-Dichlorobenzene	ppbv	ND	0.50	05/06/11 13:52	
1,2-Dichloroethane	ppbv	ND	0.50	05/06/11 13:52	
1,2-Dichloropropane	ppbv	ND	0.50	05/06/11 13:52	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	05/06/11 13:52	
1,3-Dichlorobenzene	ppbv	ND	0.50	05/06/11 13:52	
1,4-Dichlorobenzene	ppbv	ND	0.50	05/06/11 13:52	
Benzene	ppbv	ND	0.50	05/06/11 13:52	
Bromomethane	ppbv	ND	0.50	05/06/11 13:52	
Carbon tetrachloride	ppbv	ND	0.50	05/06/11 13:52	
Chlorobenzene	ppbv	ND	0.50	05/06/11 13:52	
Chloroethane	ppbv	ND	0.50	05/06/11 13:52	
Chloroform	ppbv	ND	0.50	05/06/11 13:52	
Chloromethane	ppbv	ND	0.50	05/06/11 13:52	
cis-1,2-Dichloroethene	ppbv	ND	0.50	05/06/11 13:52	
cis-1,3-Dichloropropene	ppbv	ND	0.50	05/06/11 13:52	
Dichlorodifluoromethane	ppbv	ND	0.50	05/06/11 13:52	
Dichlorotetrafluoroethane	ppbv	ND	0.50	05/06/11 13:52	
Ethylbenzene	ppbv	ND	0.50	05/06/11 13:52	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	05/06/11 13:52	
m&p-Xylene	ppbv	ND	1.0	05/06/11 13:52	
Methylene Chloride	ppbv	ND	0.50	05/06/11 13:52	
o-Xylene	ppbv	ND	0.50	05/06/11 13:52	
Styrene	ppbv	ND	0.50	05/06/11 13:52	
Tetrachloroethene	ppbv	ND	0.50	05/06/11 13:52	
THC as Gas	ppbv	ND	35.0	05/06/11 13:52	
Toluene	ppbv	ND	0.50	05/06/11 13:52	
trans-1,2-Dichloroethene	ppbv	ND	0.50	05/06/11 13:52	
trans-1,3-Dichloropropene	ppbv	ND	0.50	05/06/11 13:52	
Trichloroethene	ppbv	ND	0.50	05/06/11 13:52	
Trichlorofluoromethane	ppbv	ND	0.50	05/06/11 13:52	
Vinyl chloride	ppbv	ND	0.50	05/06/11 13:52	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

LABORATORY CONTROL SAMPLE: 972165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	9.3	93	66-133	
1,1,2,2-Tetrachloroethane	ppbv	10	10.5	105	70-140	
1,1,2-Trichloroethane	ppbv	10	10.9	109	68-132	
1,1,2-Trichlorotrifluoroethane	ppbv	10	10.4	104	60-137	
1,1-Dichloroethane	ppbv	10	10.9	109	65-131	
1,1-Dichloroethene	ppbv	10	10.1	101	65-132	
1,2,4-Trichlorobenzene	ppbv	10	14.4	144	30-150	CH
1,2,4-Trimethylbenzene	ppbv	10	9.9	99	69-140	
1,2-Dibromoethane (EDB)	ppbv	10	10.5	105	71-139	
1,2-Dichlorobenzene	ppbv	10	11.1	111	68-139	
1,2-Dichloroethane	ppbv	10	10.0	100	66-132	
1,2-Dichloropropane	ppbv	10	11.0	110	69-130	
1,3,5-Trimethylbenzene	ppbv	10	10.0	100	70-141	
1,3-Dichlorobenzene	ppbv	10	10.1	101	66-146	
1,4-Dichlorobenzene	ppbv	10	11.0	110	66-142	
Benzene	ppbv	10	11.2	112	69-129	
Bromomethane	ppbv	10	10.2	102	67-127	
Carbon tetrachloride	ppbv	10	10.5	105	62-137	
Chlorobenzene	ppbv	10	11.3	113	72-133	
Chloroethane	ppbv	10	11.3	113	66-127	
Chloroform	ppbv	10	10.4	104	67-130	
Chloromethane	ppbv	10	10.0	100	63-127	
cis-1,2-Dichloroethene	ppbv	10	11.2	112	69-130	
cis-1,3-Dichloropropene	ppbv	10	11.0	110	74-137	
Dichlorodifluoromethane	ppbv	10	9.6	96	62-131	
Dichlorotetrafluoroethane	ppbv	10	10.1	101	63-130	
Ethylbenzene	ppbv	10	10.3	103	71-141	
Hexachloro-1,3-butadiene	ppbv	10	15.2	152	30-150	CH,L3
m&p-Xylene	ppbv	20	20.2	101	68-144	
Methylene Chloride	ppbv	10	10.2	102	56-143	
o-Xylene	ppbv	10	9.9	99	70-141	
Styrene	ppbv	10	11.3	113	68-145	
Tetrachloroethene	ppbv	10	10.9	109	64-142	
THC as Gas	ppbv	700	687	98	66-134	
Toluene	ppbv	10	10.9	109	69-133	
trans-1,2-Dichloroethene	ppbv	10	11.4	114	64-132	
trans-1,3-Dichloropropene	ppbv	10	10.6	106	71-140	
Trichloroethene	ppbv	10	11.3	113	68-132	
Trichlorofluoromethane	ppbv	10	9.6	96	59-136	
Vinyl chloride	ppbv	10	11.0	110	64-129	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

QC Batch: AIR/12254 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3045636001, 3045636004, 3045636005

METHOD BLANK: 973262 Matrix: Air
Associated Lab Samples: 3045636001, 3045636004, 3045636005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	05/09/11 15:26	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	05/09/11 15:26	
1,1,2-Trichloroethane	ppbv	ND	0.50	05/09/11 15:26	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	05/09/11 15:26	
1,1-Dichloroethane	ppbv	ND	0.50	05/09/11 15:26	
1,1-Dichloroethene	ppbv	ND	0.50	05/09/11 15:26	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	05/09/11 15:26	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	05/09/11 15:26	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	05/09/11 15:26	
1,2-Dichlorobenzene	ppbv	ND	0.50	05/09/11 15:26	
1,2-Dichloroethane	ppbv	ND	0.50	05/09/11 15:26	
1,2-Dichloropropane	ppbv	ND	0.50	05/09/11 15:26	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	05/09/11 15:26	
1,3-Dichlorobenzene	ppbv	ND	0.50	05/09/11 15:26	
1,4-Dichlorobenzene	ppbv	ND	0.50	05/09/11 15:26	
Benzene	ppbv	ND	0.50	05/09/11 15:26	
Bromomethane	ppbv	ND	0.50	05/09/11 15:26	
Carbon tetrachloride	ppbv	ND	0.50	05/09/11 15:26	
Chlorobenzene	ppbv	ND	0.50	05/09/11 15:26	
Chloroethane	ppbv	ND	0.50	05/09/11 15:26	
Chloroform	ppbv	ND	0.50	05/09/11 15:26	
Chloromethane	ppbv	ND	0.50	05/09/11 15:26	
cis-1,2-Dichloroethene	ppbv	ND	0.50	05/09/11 15:26	
cis-1,3-Dichloropropene	ppbv	ND	0.50	05/09/11 15:26	
Dichlorodifluoromethane	ppbv	ND	0.50	05/09/11 15:26	
Dichlorotetrafluoroethane	ppbv	ND	0.50	05/09/11 15:26	
Ethylbenzene	ppbv	ND	0.50	05/09/11 15:26	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	05/09/11 15:26	
m&p-Xylene	ppbv	ND	1.0	05/09/11 15:26	
Methylene Chloride	ppbv	ND	0.50	05/09/11 15:26	
o-Xylene	ppbv	ND	0.50	05/09/11 15:26	
Styrene	ppbv	ND	0.50	05/09/11 15:26	
Tetrachloroethene	ppbv	ND	0.50	05/09/11 15:26	
THC as Gas	ppbv	ND	35.0	05/09/11 15:26	
Toluene	ppbv	ND	0.50	05/09/11 15:26	
trans-1,2-Dichloroethene	ppbv	ND	0.50	05/09/11 15:26	
trans-1,3-Dichloropropene	ppbv	ND	0.50	05/09/11 15:26	
Trichloroethene	ppbv	ND	0.50	05/09/11 15:26	
Trichlorofluoromethane	ppbv	ND	0.50	05/09/11 15:26	
Vinyl chloride	ppbv	ND	0.50	05/09/11 15:26	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3045636

LABORATORY CONTROL SAMPLE: 973263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	10.1	101	66-133	
1,1,2,2-Tetrachloroethane	ppbv	10	10.6	106	70-140	
1,1,2-Trichloroethane	ppbv	10	10.6	106	68-132	
1,1,2-Trichlorotrifluoroethane	ppbv	10	10.1	101	60-137	
1,1-Dichloroethane	ppbv	10	10.7	107	65-131	
1,1-Dichloroethene	ppbv	10	10.1	101	65-132	
1,2,4-Trichlorobenzene	ppbv	10	12.2	122	30-150	
1,2,4-Trimethylbenzene	ppbv	10	10.7	107	69-140	
1,2-Dibromoethane (EDB)	ppbv	10	10.4	104	71-139	
1,2-Dichlorobenzene	ppbv	10	11.6	116	68-139	
1,2-Dichloroethane	ppbv	10	10.5	105	66-132	
1,2-Dichloropropane	ppbv	10	10.4	104	69-130	
1,3,5-Trimethylbenzene	ppbv	10	10.4	104	70-141	
1,3-Dichlorobenzene	ppbv	10	10.8	108	66-146	
1,4-Dichlorobenzene	ppbv	10	11.7	117	66-142	
Benzene	ppbv	10	10.3	103	69-129	
Bromomethane	ppbv	10	11.5	115	67-127	SS
Carbon tetrachloride	ppbv	10	11.0	110	62-137	
Chlorobenzene	ppbv	10	10.9	109	72-133	
Chloroethane	ppbv	10	11.3	113	66-127	SS
Chloroform	ppbv	10	10.4	104	67-130	
Chloromethane	ppbv	10	10.3	103	63-127	
cis-1,2-Dichloroethene	ppbv	10	10.5	105	69-130	
cis-1,3-Dichloropropene	ppbv	10	11.2	112	74-137	
Dichlorodifluoromethane	ppbv	10	10.1	101	62-131	
Dichlorotetrafluoroethane	ppbv	10	10.1	101	63-130	
Ethylbenzene	ppbv	10	10.4	104	71-141	
Hexachloro-1,3-butadiene	ppbv	10	17.1	171	30-150	L3,SS
m&p-Xylene	ppbv	20	19.8	99	68-144	
Methylene Chloride	ppbv	10	10.1	101	56-143	
o-Xylene	ppbv	10	10.3	103	70-141	
Styrene	ppbv	10	10.4	104	68-145	
Tetrachloroethene	ppbv	10	10.3	103	64-142	
THC as Gas	ppbv	700	727	104	66-134	
Toluene	ppbv	10	10.1	101	69-133	
trans-1,2-Dichloroethene	ppbv	10	10.7	107	64-132	
trans-1,3-Dichloropropene	ppbv	10	11.0	110	71-140	
Trichloroethene	ppbv	10	11.4	114	68-132	
Trichlorofluoromethane	ppbv	10	9.8	98	59-136	
Vinyl chloride	ppbv	10	10.3	103	64-129	

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: FF/NN Landfill
Pace Project No.: 3045636

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FF/NN Landfill
Pace Project No.: 3045636

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3045636001	LC-1	TO-14 Ambient Air	AIR/12254		
3045636002	LC-2	TO-14 Ambient Air	AIR/12239		
3045636003	LC-3	TO-14 Ambient Air	AIR/12243		
3045636004	GV-6	TO-14 Ambient Air	AIR/12254		
3045636005	GP-3	TO-14 Ambient Air	AIR/12254		

Pace Analytical
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

04461 Page: 1 of 1

Section A Required Client Information:
Company: TetraTech GEO
Address: 175 N Corporate Dr Suite 100 Brookfield WI
Email To:
Phone: 262-792-1282 Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Mike Noel
Copy To: Nelson Olaverria Cooper Ind. Houston TX
Purchase Order No.:
Project Name: FINN Landfill
Project Number: 1011.05.09

Section C Invoice Information:
Attention: Nelson Olaverria Thru Pace Pittsburgh
Company Name: Cooper Industries
Address: Houston TX
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: UST X Superfund Emissions Clean Air Act Voluntary Clean Up Dry Clean RCRA Other
Location of Sampling by State: WI
Reporting Units: ug/m³ mg/m³ PPBV PPMV Other
Report Level II III IV Other

*Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes: MEDIA / CODE
Tedlar Bag TB
1 Liter Summa Can 1LC
6 Liter Summa Can 6LC
Low Volume Puff LVP
High Volume Puff HVP
Other PM10

ITEM #	*Section D AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END DATE	COLLECTED COMPOSITE END TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	TO-C Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14 32 VOCs	TO-15	TO15 Short List*	Pace Lab ID
1	LC-1	6LC		4.25	0709	4.25	0818	-26	-6	9600	2822							X			001
2	LC-2	6LC		4.25	0703	4.25	0807	-28	-10	16751	2011							X			002
3	LC-3	6LC		4.25	0701	4.25	0801	-28	-3	0511	0751							X			003
4	GV-6	6LC		4.25	0706	4.25	0812	-25	-4	9799	2488							X			004
5	GP-3	6LC		4.25	0711	4.25	0826	-25	-4	13488	4211							X			005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jack Wendler WETP	4-25-11	1000	[illegible]	4/26/11	10:38

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4oC	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jack Wendler
SIGNATURE of SAMPLER: Jack Wendler DATE Signed (MM / DD / YY): 4-25-11

ORIGINAL

AIR Sample Condition Upon Receip

PaceAnalytical

Client Name: TT GEOTRANS Project # 3045636

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace Other_____

Custody Seal on Cooler/Box Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Packing Material: [ ] Bubble Wrap [X] Bubble Bags [ ] None [X] Other_____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: 8726 5385 3198, 3202 Comments:

Date and Initials of person examining contents: 4-26-11 TE

Chain of Custody Present:	[X]Yes [ ]No [ ]N/A	1.
Chain of Custody Filled Out:	[X]Yes [ ]No [ ]N/A	2.
Chain of Custody Relinquished:	[X]Yes [ ]No [ ]N/A	3.
Sampler Name & Signature on COC:	[X]Yes [ ]No [ ]N/A	4.
Samples Arrived within Hold Time:	[X]Yes [ ]No [ ]N/A	5.
Short Hold Time Analysis (<72hr):	[ ]Yes [X]No [ ]N/A	6.
Rush Turn Around Time Requested:	[ ]Yes [X]No [ ]N/A	7.
Sufficient Volume:	[X]Yes [ ]No [ ]N/A	8.
Correct Containers Used:	[X]Yes [ ]No [ ]N/A	9.
-Pace Containers Used:	[X]Yes [ ]No [ ]N/A	
Containers Intact:	[X]Yes [ ]No [ ]N/A	10.
Media: AIR (CAN)		11.
Sample Labels match COC:	[X]Yes [ ]No [ ]N/A	12.

Samples Received: SCANS, 5 FCS

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
LC-1	0960		FC0421				
LC-2	1675		FC0282				
LC-3	0051		FC0201				
GW-6	0979		FC0248				
GP-3	1248		FC0075				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

Project Manager Review: _____ Date: 4-27-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

ATTACHMENT C

GROUNDWATER SAMPLING FIELD FORMS

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	MW-3A			MW-3B			P-113A		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	4-13-11			4-13-11			4-13-11		
STATIC WATER LEVEL (feet)*	30.27			29.52			13.19		
WELL DEPTH (feet)*	280.1			185.72			325.31		
PUMP INLET DEPTH (feet)*	67.5			54.5			73.5		
START PURGE TIME (Military)	14:25			14:05			12:45		
END PURGE TIME (Military)	14:40			14:15			13:10		
PURGE VOLUME (gallons)	1.0			1.25			0.5		
SAMPLE TIME (Military)	14:45			14:20			13:15		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	10:00	11:00	12:00	3:00	4:00	5:00	18:00	20:00	22:00
TEMPERATURE (° C)	10.98	10.88	10.77	9.53	9.54	9.52	13.47	13.52	12.81
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.583	0.586	0.589	0.689	0.694	0.694	0.577	0.578	0.578
DISSOLVED OXYGEN (ppm)	1.27	1.19	1.14	0.69	0.62	0.52	1.28	1.17	1.13
pH	7.41	7.41	7.42	7.74	7.69	7.65	7.49	7.48	7.46
DISSOLVED OXYGEN (% Sat.)	11.5	10.8	10.3	6.1	5.5	4.6	12.3	11.2	10.7
ORP (mV)	-237	-237	-240	-222	-214	-207	-197	-199	-202
COLOR	clear			clear			clear		
ODOR	none			none			Rotten Eggs		
CLARITY	clear			clear			clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.44			0.84			0.68		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	4-15-11			4-15-11			4-15-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-113B			P-103			P-103D		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	4-13-11			4-12-11			4-12-11		
STATIC WATER LEVEL (feet)*	13.29			49.35			50.21		
WELL DEPTH (feet)*	198.9			83.02			192.66		
PUMP INLET DEPTH (feet)*	48.5			69.5			87.5		
START PURGE TIME (Military)	13:15			13:40			13:15		
END PURGE TIME (Military)	13:25			13:55			13:25		
PURGE VOLUME (gallons)	1.0			2.0			1.5		
SAMPLE TIME (Military)	13:30			14:00			13:30		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	4:00	5:00	6:00	1:00	2:00	3:00	2:00	3:00	4:00
TEMPERATURE (° C)	10.18	10.18	10.22	10.03	10.03	10.01	10.21	10.24	10.24
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.675	0.675	0.675	0.906	0.905	0.906	0.906	0.906	0.906
DISSOLVED OXYGEN (ppm)	1.27	1.18	1.11	1.35	1.27	1.22	1.27	1.17	1.09
pH	7.46	7.45	7.44	7.18	7.18	7.19	7.26	7.26	7.26
DISSOLVED OXYGEN (% Sat.)	11.4	10.5	9.9	12.0	11.3	10.9	11.3	10.5	9.7
ORP (mV)	-172	-167	-164	-120	-123	-125	-138	-134	-132
COLOR	clear			clear			clear		
ODOR	none			none			none		
CLARITY	clear			clear			clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.11			over Range.			over Range.		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	4-15-11			4-15-11			4-15-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-111D/DUP			P-111			P-107		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	4-13-11			4-13-11			4-12-11		
STATIC WATER LEVEL (feet)*	34.79			38.24			51.70		
WELL DEPTH (feet)*	151.0			81.54			85.75		
PUMP INLET DEPTH (feet)*	151.0			81.0			74.5		
START PURGE TIME (Military)	10:20			09:55			11:45		
END PURGE TIME (Military)	10:30			10:05			12:05		
PURGE VOLUME (gallons)	1.25			1.5			2.0		
SAMPLE TIME (Military)	10:35 / 10:40			10:10			12:10		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0:00	1:00	2:00	1:00	2:00	3:00	9:00	10:00	11:00
TEMPERATURE (° C)	9.93	9.94	9.92	9.73	9.74	9.72	10.15	10.13	10.13
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.873	0.873	0.873	0.1068	0.1077	0.1083	0.9666	0.9666	0.9666
DISSOLVED OXYGEN (ppm)	0.45	0.44	0.42	1.666	1.56	1.46	1.51	1.40	1.39
pH	7.18	7.19	7.19	6.93	6.96	6.99	7.17	7.16	7.16
DISSOLVED OXYGEN (% Sat.)	4.0	3.9	3.8	14.7	13.8	13.0	13.4	12.5	12.4
ORP (mV)	-128	-128	-126	-42	-48	-53	-166	-167	-168
COLOR	clear			clear			clear		
ODOR	none			none			none		
CLARITY	clear			clear			clear		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.89	NT	NT
	* took dup	MS = 10:15	MS = 12:15
	at 10:40 *	MSD = 10:20	MSD = 12:20
NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB	4-15-11	4-15-11	4-15-11
SAMPLER'S NAME	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-107D			P-114/Dup			P-115		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	4-12-11			4-13-11			4-13-11		
STATIC WATER LEVEL (feet)*	51.77			19.55			22.74		
WELL DEPTH (feet)*	327.95			181.72			179.57		
PUMP INLET DEPTH (feet)*	76.5			53.5			53.5		
START PURGE TIME (Military)	11:15			11:50			13:45		
END PURGE TIME (Military)	11:25			12:00			13:55		
PURGE VOLUME (gallons)	2.5			1.5			1.0		
SAMPLE TIME (Military)	11:30			12:05 / 12:10			14:00		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	3:00	4:00	5:00	0:00	1:00	2:00	4:00	5:00	6:00
TEMPERATURE (° C)	9.85	9.88	9.90	9.90	9.91	9.92	10.49	10.49	10.46
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.649	0.649	0.649	0.749	0.746	0.744	0.628	0.628	0.626
DISSOLVED OXYGEN (ppm)	0.80	0.71	0.64	0.48	0.44	0.42	0.57	0.49	0.44
pH	7.32	7.33	7.33	7.51	7.49	7.49	7.53	7.51	7.51
DISSOLVED OXYGEN (% Sat.)	7.1	6.3	5.7	4.2	3.9	3.7	5.2	4.4	3.9
ORP (mV)	-219	-220	-222	-161	-153	-147	-194	-186	-178
COLOR	clear			clear			clear		
ODOR	weak Rotten eggs			none			none		
CLARITY	clear			clear			clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.11			0.65			1.05		
				* took dup					
				at 12:10*					
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	4-15-11			4-15-11			4-15-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-116		
WATER TYPE	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	4-13-11	4- -11	4- -11
STATIC WATER LEVEL (feet)*	26.55		
WELL DEPTH (feet)*	163.19		
PUMP INLET DEPTH (feet)*	163		
START PURGE TIME (Military)	11:05		
END PURGE TIME (Military)	11:15		
PURGE VOLUME (gallons)	0.75		
SAMPLE TIME (Military)	11:20		

STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0 :00	2 :00	4 :00	:00	:00	:00	:00	:00	:00
TEMPERATURE (°C)	10.57	10.69	10.69						
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.555	0.556	0.556						
DISSOLVED OXYGEN (ppm)	0.73	0.65	0.58						
pH	7.55	7.52	7.49						
DISSOLVED OXYGEN (% Sat.)	6.6	5.8	5.2						
ORP (mV)	-93	-104	-109						
COLOR	Pinkish Orange								
ODOR	none								
CLARITY	Slightly cloudy								

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.51		
NAME OF LABORATORY	Pace Analytical		
DATE SENT TO LAB	4-15-11	4- -11	4- -11
SAMPLER'S NAME	Ashley A. Weimer		

*Measured from top of wall casing.

TETRA TECH

TETRA TECH GEO MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-104			P-106					
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	4- 12 -11			4- 12 -11			4- -11		
STATIC WATER LEVEL (feet)*	51.88			55.02					
WELL DEPTH (feet)*	93.44			87.18					
PUMP INLET DEPTH (feet)*	73.00			78.5					
START PURGE TIME (Military)	14:20			10:25					
END PURGE TIME (Military)	14:30			10:40					
PURGE VOLUME (gallons)	3.0			3.5					
SAMPLE TIME (Military)	14:35			10:45					
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	1 :00	2 :00	3 :00	5 :00	6 :00	7 :00	:00	:00	:00
TEMPERATURE (° C)	10.52	10.52	10.52	9.92	9.92	9.91			
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	1.115	1.116	1.115	0.891	0.903	0.903			
DISSOLVED OXYGEN (ppm)	1.08	1.15	1.01	1.34	1.29	1.21			
pH	7.13	7.13	7.12	6.82	6.85	6.88			
DISSOLVED OXYGEN (% Sat.)	9.7	10.4	9.0	11.9	11.4	10.7			
ORP (mV)	25	25	25	-55	-57	-60			
COLOR	clear			clear					
ODOR	none			none					
CLARITY	clear			clear					

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No

NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB	4- 15 -11	4- 15 -11	4- -11
SAMPLER'S NAME	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

SAMPLE POINT	MW-107	MW-111	MW-103	MW-101	P-101
WATER TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	4-11-11	4-11-11	4-11-11	4-11-11	4-11-11
CLOCK TIME (Military)	15:25	15:35	14:55	14:40	16:10
DEPTH TO WATER (ft)*	52.14	38.15	51.17	61.14	61.69
MEASURED WELL DEPTH (ft)*	55.32	44.13	53.69	64.40	95.28
CASING VOLUME (gallons)	0.52	0.97	0.41	0.53	5.48
PURGE VOLUME (gallons)	2.5	4.0	2.0	2.5	22
DEPTH SAMPLE TAKEN (ft)*	54	43	53	64	75
SAMPLING DEVICE	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Hanging Bailer
FIELD TEMPERATURE (°C)	11.2	11.2	13.83	14.1	12.8
pH	8.12	7.94	6.79	7.48	7.96
ELEC. COND. (mS/cm) Measured	NM	NM	NM	NM	NM
ELEC. COND. (mS/cm) at 25° C	1.10	0.90	1.217	1.02	0.84
ORP (mV)	NM	NM	136	NM	NM
DISSOLVED OXYGEN (ppm)	NM	NM	5.02	NM	NM
DISSOLVED OXYGEN (% Sat.)	NM	NM	48.7	NM	NM
COLOR	light brown	clear	clear	clear	clear
ODOR	none	none	none	none	none
CLARITY	clear	clear	clear	clear	clear
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (8260B)	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No
Vacu-Vials Iron 2	NT	NT	0.07	NT	NT
NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB	4-15-11	4-15-11	4-15-11	4-15-11	4-15-11
SAMPLER'S NAME	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.11	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

SAMPLE POINT		Rohde	Gaastra	Baneck/Perry/Watkins		
WATER TYPE		Groundwater	Groundwater	Groundwater	Ground	Groundwater
DATE (month/day/year)		4-14-11	4-14-11	4-18-11		
CLOCK TIME (Military)		13:50	13:10	09:00		
PURGE RATE (GPM)		5.0	4.6	5.0		
PURGE VOLUME (gallons)		100	100	100		
SAMPLING DEVICE		Outside Pump	Outside Spigot	Outside Spigot		
FIELD TEMPERATURE (°C)		7.5	13.8	10.1		
pH		10.85	10.88	7.17		
ELEC. COND. (µS/cm) MS	Measured	NM	NM	NM		
	at 25° C	0.55	0.62	0.41		
ORP (mV)		NM	NM	NM		
DISSOLVED OXYGEN (ppm)		NM	NM	NM		
DISSOLVED OXYGEN (% Sat.)		NM	NM	NM		
COLOR		clear	clear	clear		
ODOR		none	none	slight		
CLARITY		clear	clear	clear		
SAMPLING PARAMETERS		# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (524.2)		3 – 40 ml; G; HCl & Ascorbic Acid-L; No	3 – 40 ml; G; HCl & Ascorbic Acid-L; No	3 – 40 ml; G; HCl & Ascorbic Acid-L; No		
				Sampled by Jack Wendler		
NAME OF LABORATORY		Pace Analytical	Pace Analytical	Pace Analytical		
DATE SENTTO LAB		4-15-11	4-15-11	4- -11		
SAMPLER'S NAME		Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	Hanna
PROJECT NO.	117-2202040.11	Conductivity	Hanna
LOCATION	Ripon, WI	ORP	Not Measured
PERSONNEL	Ashley A. Weimer	DO	Not Measured

SAMPLE POINT		MW-102	P-102	MW-104	MW-108	MW-112
WATER TYPE		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)		4-11-11	4-11-11	4-11-11	4-11-11	4-11-11
CLOCK TIME (Military)		16:20	16:25	16:35	15:45	15:10
DEPTH TO WATER (ft)*		18.89	18.85	51.66	26.79	54.35
MEASURED WELL DEPTH (ft)*		24.15	61.71	55.90	30.36	60.47
CASING VOLUME (gallons)		0.86	6.99	0.69	0.58	0.99
PURGE VOLUME (gallons)		4.0	30.0	3.0	2.5	4.0
DEPTH SAMPLE TAKEN (ft)*		23	61	55	26	59
SAMPLING DEVICE		Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer
FIELD TEMPERATURE (°C)		7.3	8.1	11.1	11.8	13.87
pH		8.49	8.40	7.64	7.95	6.73
ELEC. COND. (uS/cm)	Measured	NM	NM	NM	NM	NM
	at 25° C	0.42	0.79	1.24	1.04	1.106
ORP (mV)		NM	NM	NM	NM	-21
DISSOLVED OXYGEN (ppm)		NM	NM	NM	NM	2.63
DISSOLVED OXYGEN (% Sat.)		NM	NM	NM	NM	25.5
COLOR		clear	clear	clear	clear	clear
ODOR		none	none	none	none	none
CLARITY		clear	clear	clear	clear	clear
SAMPLING PARAMETERS		# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (EPA Method 8260B)		3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No
vacu-vials iron 2		NT	NT	NT	NT	over range
					took dup	
NAME OF LABORATORY		Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB		4-15-11	4-15-11	4-15-11	4-15-11	4-15-11
SAMPLER'S NAME		Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	Hanna
PROJECTNO.	117-2202040.11	Conductivity	Hanna
LOCATION	Ripon, WI	ORP	Not Measured
PERSONNEL	Ashley A. Weimer	DO	Not Measured

SAMPLE POINT		P-108	MW-106	MW-108 Dup		
WATER TYPE		Groundwater	Groundwater	Groundwater		
DATE (month/day/year)		4-11-11	4-11-11	4-11-11		
CLOCK TIME (Military)		16:00	16:45	15:50		
DEPTH TO WATER (ft)*		24.36	54.90	26.79		
MEASURED WELL DEPTH (ft)*		62.10	57.87	30.36		
CASING VOLUME (gallons)		6.15	0.48	0.58		
PURGE VOLUME (gallons)		25.0	2.0	2.5		
DEPTH SAMPLE TAKEN (ft)*		60	54.5	26		
SAMPLING DEVICE		Hanging Bailer	Hanging Bailer	Dedicated Bailer		
FIELD TEMPERATURE (°C)		11.0	11.3	11.8		
pH		8.15	8.16	7.95		
ELEC. COND. (uS/cm)	Measured	NM	NM	NM		
	at 25° C	0.960	0.608	1.04		
ORP (mV)		NM	NM	NM		
DISSOLVED OXYGEN (ppm)		NM	NM	NM		
DISSOLVED OXYGEN (% Sat.)		NM	NM	NM		
COLOR		clear	light brown	clear		
ODOR		none	none	none		
CLARITY		clear	slightly cloudy	clear		
SAMPLING PARAMETERS		# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (EPA Method 8260B)		3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No		
				NOTE parameters are the same as MW-108		
NAME OF LABORATORY		Pace Analytical	Pace Analytical	Pace Analytical		
DATE SENT TO LAB		4-15-11	4-15-11	4-15-11		
SAMPLER'S NAME		Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

ATTACHMENT D

LANDFILL GAS EXTRACTION SYSTEM MONITORING

GeoTrans, Inc.

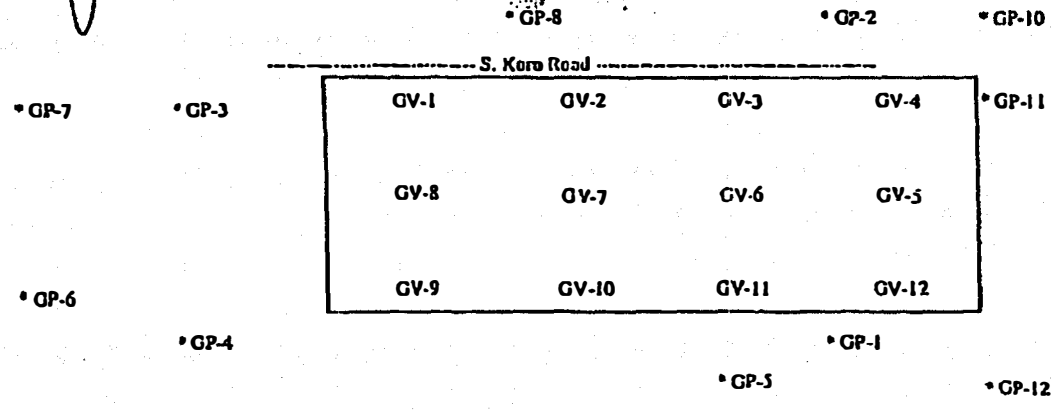
GAS PROBE DATA

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler

Barometric Pressure: 28.7 " Hg
Temperature (ambient): 37° F
Measuring Device: Eagle 1 gauge

LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
4.6.11	0830	Background	1 *	0.0	20.9	-	-	
	0855	LC-1	22.9	23.4	0.3	-	-	
	0915	LC-2	49.5	30.8	0.3	-	-	
	0905	LC-3	31.0	21.6	4.9	-	-	
		GV-1						
		GV-4						
	0845	GV-6	17.5	19.2	0.9			
		GV-7						
		GV-9						
		GV-12						
	0835	GP-1	24.4 *	0.2 / 0.2	20.1 / 20.9	-	-	



P:\Ripon_Landfill\Landfill Gas Extraction System\03242006Gas Vera Formats

GeoTrans, Inc.

GAS PROBE DATA

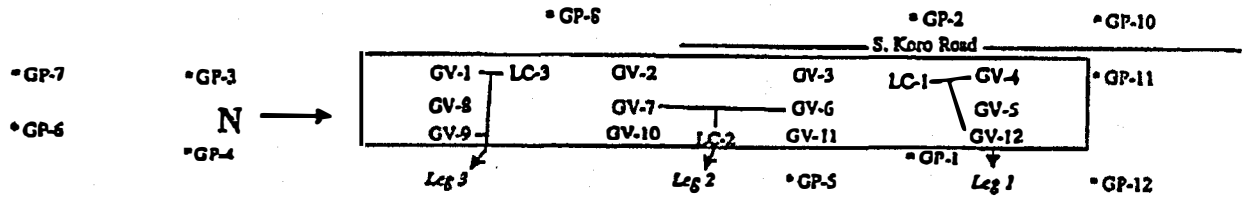
Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wandler

Barometric Pressure: 29.0 Hg
Temperature (ambient): 56° F
Measuring Device: Eagle 2 gauges

3 feet of water in tank

* LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
4.25.11	0650	Background	0 / 3*	0.0	20.9	
	0819	LC-1	23.5	23.0	0.6	
	0808	LC-2	51.0	29.4	1.3	
	0804	LC-3	31.0	21.2	5.6	
	0800	MW-101	4 *	0.4	20.9	
	1010	MW-102	2 *	0.2	20.7	
	0725	MW-103	3 *	3.0	17.5	
	0821	MW-104	4 *	0.4	20.5	
		GV-1				
		GV-4				
	0812	GV-6	18.6 *	20.8	0.7	
	0955	GV-7	1 *	3.2	16.6	
		GV-9				
		GV-12				
	1030/1135	GP-1	4 * / 2 *	0.2 / 0.0	20.7 / 20.9	
	0745	GP-2	4 *	3.0	17.4	
	0825	GP-3	4 *	4.6	14.9	
	0730	GP-4	3 *	1.6	18.9	
	1035	GP-5	3 *	3.5	16.0	
	0700	GP-6	1 *	3.0	17.2	
	0655	GP-7	1 *	3.2	16.6	
	0740	GP-8	3 *	4.4	14.4	
	0750	GP-10	4 *	3.4	17.0	
	0755	GP-11	4 *	4.0	17.2	
	1100	GP-12	2 *	3.2	16.1	
	1046	Leg 1	20.5	21.2	1.5	
	1044	Leg 2	33.5	24.6	1.2	
	1045	Leg3	31.5	22.0	4.5	
	1040	Exhaust	24	5.4	16.3	



GeoTrans, Inc.

GAS PROBE DATA

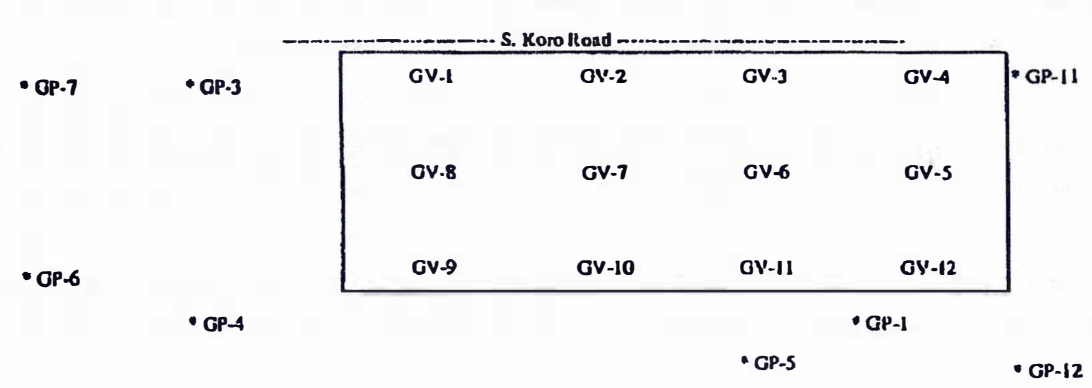
Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler

Barometric Pressure: 29.1 Hg
Temperature (ambient): 60° F
Measuring Device: Eagle

* LEL

+ gauge

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
5.9.11	0830	Background	0 *	0.0	20.9	—	—	
	0852	LC-1	34.5	24.6	0.3	—	—	
	0908	LC-2	53.5	29.8	0.6	—	—	
	0900	LC-3	37.5	23.0	4.5	—	—	
		GV-1						
		GV-4						
	0845	GV-6	29.5	22.8	0.4	—	—	
		GV-7						
		GV-9						
		GV-12						
	0835/0950	GP-1	1*/1*	3.2/~~3.2~~ 4.0	11.2/~~8.0~~	—	—	



GeoTrans, Inc.

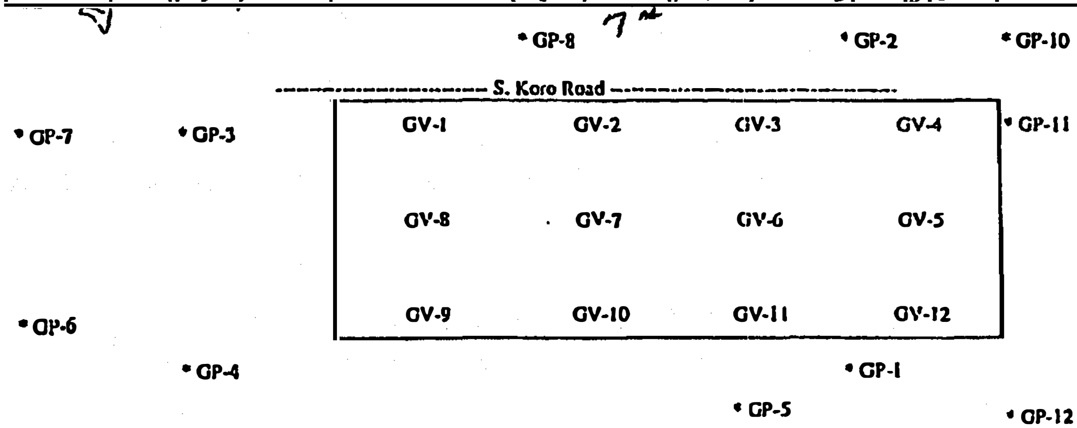
GAS PROBE DATA

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: [illegible signature]

Barometric Pressure: ~~29.05~~ 29.1 Hg
Temperature (ambient): 22° F
Measuring Device: Eagle + gauge

*LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H_2O)	Comments
3.24.11	1120	Background	0*	0.0	29.9	—	—	
	1150	LC-1	19.5	22.2	0.7	—	—	Vac?
	1210	LC-2	47.5	31.0	0.4	—	—	Vac
	1200	LC-3	23.0	20.6	4.9	—	—	Vac.
	~~—~~	GV-1	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
	~~—~~	GV-4	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
	1145	GV-6	7.5	12.2	6.9			No Vac.
	~~—~~	GV-7	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
	~~—~~	GV-9	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
	~~—~~	GV-12	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
	1130	GP-1	6* / ~~0.0~~ 7*	0.2 / 0.2	20.9 / 20.9	—	—	



** very little if no vac.

System was started ≈1030 – Readings after 1 hour. Data may be flagged, [initials]

P:\Ripon_Landfill\Landfill Gas Extraction System\03242006Gas Vent Form.xls

[redacted] [redacted]