TETRA TECH GEO

LETTER OF TRANSMITTAL

175 North Corporate Drive, Suite 100
Brookfield, Wisconsin 53045
Telephone (262) 792-1282 Fax: (262) 792-1310

TO: Mr. Gary Edelstein, P.E.
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

DATE: February 23, 2012

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Signed: Mike Noel

cc: Nelson Olavarria, w/encl
Lori Rich, w/encl
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Christine Lilek, w/encl
Keld Lauridsen, w/encl

TETRA TECH GEO

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STATUS REPORT FOR JANUARY 2012 SAMPLING EVENT

FF/NN LANDFILL

RIPON, WISCONSIN

February 20, 2012

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

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

Project No. 117-2202040

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

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

STATUS REPORT FOR JANUARY 2012 SAMPLING EVENT

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CONTRACT SF-92-01

STATUS REPORT FOR JANUARY 2012 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
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175 N. Corporate Drive, Suite 100
Brookfield, Wisconsin 53045

Tetra Tech GEO Ref No.:117-2202040

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SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604

DATE:

February 20, 2012

FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 27 monitoring wells on January 23-24, 2012. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.

- A total of 13 monitoring wells were sampled for VOCs during the January 2012 event. One duplicate sample was collected for quality control. The revised groundwater monitoring program as outlined in an April 8, 2011 letter from WDNR was followed for this sampling event.

- Landfill gas monitoring in the gas probes and monitoring wells was conducted on January 25, 2012 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 on January 25, 2012 by Jack Wendler.

- A pressure test was conducted on Leg 1 of the interim landfill gas extraction system. The test was conducted on January 24, 2012.

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 January 2012 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 October 2011, the water levels have decreased in five wells (MW-103, MW-107, MW-108, MW-111, MW-112) and increased in four (MW-101, MW-102, MW-104, MW-106). Those wells with water levels above 822 feet MSL showed an increase in water levels while those wells with water levels below 822 feet MSL showed a decrease in water levels.

Historically, the groundwater flow direction in this layer has been to the southwest. The January 2012 groundwater flow direction is to the southwest, 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 October 2011, the water levels decreased in three wells (P-107, P-108 and P-111) and increased in five wells (P-101, P-102, P-103, P-104 and P-106). The water levels decreased in wells that had water levels below 822 feet MSL and increased in wells that had a water level above 822 MSL.

Historically, the groundwater flow direction in this layer has been to the south-southwest. The January 2012 groundwater flow direction is to the south-southwest, 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 October 2011, the water levels have decreased in one well (P-113B) and increased in six wells (MW-3B, P-103D, P-111D, P-114, P-115 and P-116).

Historically, the groundwater flow direction in this layer has been to the southwest. The January 2012 groundwater flow direction is to the southwest, 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 October 2011, the water levels decreased in MW-3A (0.1 feet) and increased in P-113A (0.4 feet) and P-107D (0.6 feet).

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. Although pumping of Municipal Well #9 has continued, the groundwater flow direction is to the west. The groundwater flow may reflect a period of time where Municipal Well #9 was not being pumped.

Groundwater Monitoring Event - Monitoring Well Sampling

The revised groundwater monitoring program as outlined in an April 8, 2011 letter from WDNR 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 January 2012 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 January 2012 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-103 No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) has not been detected since October 2007. Trichloroethene (TCE) exceeded its preventive action limit (PAL) with a concentration of 2.6 ppb. Cis-1,2-dichloroethene (DCE) was detected below NR 140 standards.

MW-112 No compounds exceeded the NR 140 ES. TCE exceeded its PAL with an estimated concentration of 0.76 ppb. TCE was detected above the limit of detection (LOD) but below the limit of quantitation (LOQ). VC last detected in July 2011.

Layer 2 Wells

P-103 VC was detected above the ES at an estimated concentration of 0.28 ppb. VC was detected above the LOD but below the LOQ.

Layer 3 Wells

MW-3B No detection of any VOC.

P-103D VC was detected above the ES at an estimated concentration of 0.73 ppb. VC was detected above the LOD but below the LOQ.

P-111D VC exceeded its ES at 4.3 ppb. This result is similar to recent results. DCE and chloroethane were detected at concentrations below NR 140 standards.

P-113B No detection of any VOC.

P-114 VC exceeded its ES at 5.0 ppb (5.1 ppb duplicate). This result is similar to recent results. DCE was detected at a concentration below NR 140 standards.

P-115 VC was detected at an estimated concentration slightly above the ES at 0.77 ppb. VC was detected above the LOD but below the LOQ. This result is similar to recent results.

P-116 No detection of any VOC.

Layer 4 Wells

MW-3A No detection of any VOC.

P-107D No detection of any VOC. VC was last detected in October 2011.

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, as requested by the WDNR. 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.

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 several modifications to the system during this reporting period.

The modifications in the run time of the blower were in response to either the decreasing or increasing methane gas concentrations in gas probe GP-1. The modifications are listed below:

- 10/26/2011 – run time decreased to 12.0 hours on/12.0 hours off
- 1/10/2012 – run time increased to 16.0 hours on/8.0 hours off

Gas samples for VOC analysis were collected on January 25, 2012. The results are summarized on Table 7 and the lab report is included in Attachment B. The VOCs are lower than in the previous round of sampling in LC-1, LC-2 and GV-6. The VOCs are higher than in the previous round of sampling in LC-3. The historical data shows that VOC concentrations in the landfill gas have been reduced by over 95% since startup of the extraction system.

A pressure test was conducted on Leg 1 of the interim landfill gas extraction system. The test was conducted on January 24, 2012 in accordance with Addendum #1: Engineering Design Plans and Specifications by GeoTrans, Inc. dated December 22, 2006. The piping was isolated and compressed air was added until a pressure of 5 pounds per square inch (PSI) was obtained. The pressure was monitored for 10 minutes. The pressure readings were recorded and are located in Attachment D. Leg 1 maintained over 80 percent of the applied pressure in the 10 minute period. The pressure readings indicate that the piping is not leaking significant amounts of air.

UPCOMING ACTIVITIES PLANNED

Quarterly groundwater sampling, water level measurements and landfill gas extraction point sampling will be conducted in April 2012.

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 of Project Geologist Ashley Weimer. The laboratory analyses for January 2012 groundwater samples were completed by Pace Analytical Services, Inc. in Green Bay, 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)
P-115
(WIESE)
MILLER
(abandoned)
ALTNAU (abandoned)
SOUTH KORO ROAD
ROHDE
MW-3A
MW-3B
LAYER 1
DIRECTION
OF FLOW
818
819
820
821
822
823
P-111
P-111D
MW-111
(818.12)
P-107D
P-107
MW-107
(819.96)
(818.11)
MW-108
P-108
(819.91)
MW-112
GP-3
GP-7
GP-6
GP-8
GP-2
GP-10
GP-11
P-104
MW-104
(822.82)
GV-4
LC-3
GV-1
GV-2
GV-3
LC-1
GV-5
GV-6
GV-7
GV-8
P-101
MW-101
(822.93)
P-103D
P-103
MW-103
(820.97)
LC-2
GV-9
GV-10
GV-11
GV-12
GP-4
GP-1
GP-12
P-102
MW-102
(823.36)
GP-5
P-106
MW-106
(823.33)
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
- (822.45) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 2/15/12
	DESIGNED: HJW
GROUNDWATER ELEVATIONS LAYER 1 WELLS JANUARY 2012	CHECKED: MRN
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 1

S:\CAD\RIPON\2202.040\2-15-12\2202040FIG1.DWG

BANECK
GAASTRA
P-116
(HADEL)
BICYCLE PATH
CHARLES STREET
P-113A
P-113B
P-114
(EHSTER)
P-115
(WIESE)
MILLER
(abandoned)
ALTNAU (abandoned)
SOUTH KORO ROAD
ROHDE
MW-3A
MW-3B
LAYER 2
DIRECTION
OF FLOW
MW-111
(817.68) P-111
P-111D
818
819
820
821
822
823
P-107D
(819.15) P-107
MW-107
(822.91) P-103
MW-103
P-103D
GP-6
GP-4
MW-108
P-108
(820.86)
GP-8
GP-2
GP-10
MW-112
GP-3
P-104 (822.93)
MW-104
GV-4
LC-3
GP-7
GV-1
GV-2
GV-3
LC-1
GP-11
GV-5
(822.87)
P-101
MW-101
GV-7
GV-6
GV-8
LC-2
GV-9
GV-10
GV-11
GV-12
(823.44)
P-102
MW-102
GP-1
GP-12
GP-5
(823.24)
P-106
MW-106
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
- (822.37) — 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
JANUARY 2012

DATE:	2/15/12
DESIGNED:	HJW
CHECKED:	MRN
APPROVED:	MRN
DRAWN:	HJW
PROJ.:	117-2202040

TETRA TECH

Figure 2

S:\CAD\RIPON\2202.040\2-15-12\2202040FIG2.DWG

LAYER 3 DIRECTION OF FLOW

GAASTRA
BANECK
(818.13)
P-116
(HADEL)
CHARLES STREET
BICYCLE PATH
P-113A
P-113B (818.87)
(819.16)
P-114
(EHSTER)
819
(819.27)
P-115
(WISE)
MILLER
(abandoned)
ALTNAU (abandoned)
SOUTH KORO ROAD
MW-111
P-111
(820.33) P-111D
MW-108
P-108
GP-8
GP-2
GP-10
MW-112
GP-3
P-104
MW-104
GV-4
LC-3
GP-11
GP-7
GV-1
GV-2
GV-3
LC-1
P-107D
P-107
MW-107
822
GV-5
GV-7
GV-6
GP-6
GV-8
P-101
MW-101
P-103D (822.04)
P-103
MW-103
LC-2
GV-9
GV-10
GV-11
GV-12
GP-4
GP-1
GP-12
P-102
MW-102
GP-5
ROHDE
MW-3A
MW-3B
(820.78)
820
821
P-106
MW-106
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
- (821.64) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 2/15/12
	DESIGNED: HJW
GROUNDWATER ELEVATIONS LAYER 3 WELLS JANUARY 2012	CHECKED: MRN
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 3

S:\CAD\RIPON\2202.040\2-15-12\2202040FIG3.DWG

BANECK
GAASTRA
P-116
(HADEL)
BICYCLE PATH
CHARLES STREET
(818.72)
P-113A
P-113B
818.8
818.9
819.0
819.1
819.2
819.3
819.4
819.5
P-114
(EHSTER)
LAYER 4
DIRECTION
OF FLOW
MILLER
(abandoned)
P-115
(WIESE)
ALTNAU (abandoned)
SOUTH KORO ROAD
MW-111
P-111
P-111D
(819.38)
P-107D
P-107
MW-107
ROHDE
BICYCLE PATH
(819.60) MW-3A
MW-3B
MW-108
P-108
GP-8
GP-2
GP-10
MW-112
GP-3
GP-7
LC-3
P-104
MW-104
GV-4
GP-11
GV-1
GV-2
GV-3
LC-1
GV-5
GV-7
GV-6
GP-6
GV-8
P-101
MW-101
P-103D
P-103
MW-103
LC-2
GV-9
GV-10
GV-11
GV-12
GP-4
GP-1
GP-12
P-102
MW-102
GP-5
P-106
MW-106
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
- (818.74) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 2/15/12
GROUNDWATER ELEVATIONS LAYER 4 WELLS JANUARY 2012	DESIGNED: HJW CHECKED: MRN APPROVED: MRN DRAWN: HJW PROJ.: 117-2202040
TETRA TECH	Figure 4

S:\CAD\RIPON\2202.040\2-15-12\2202040FIG4.DWG

CHARTS

Chart 1: Layer 1 Historic Water Level Data

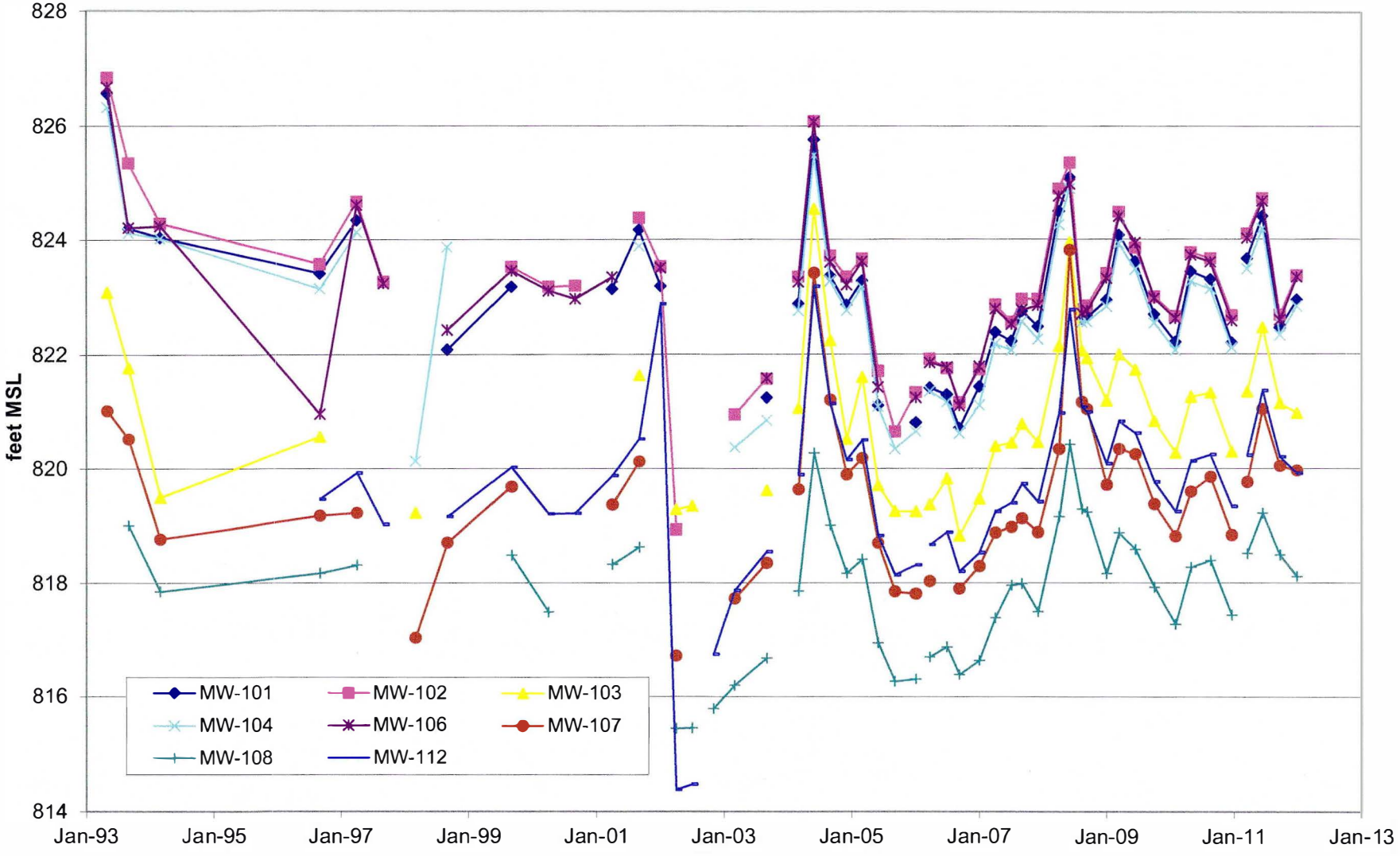

Chart 2: Layer 2 Historic Water Level Data

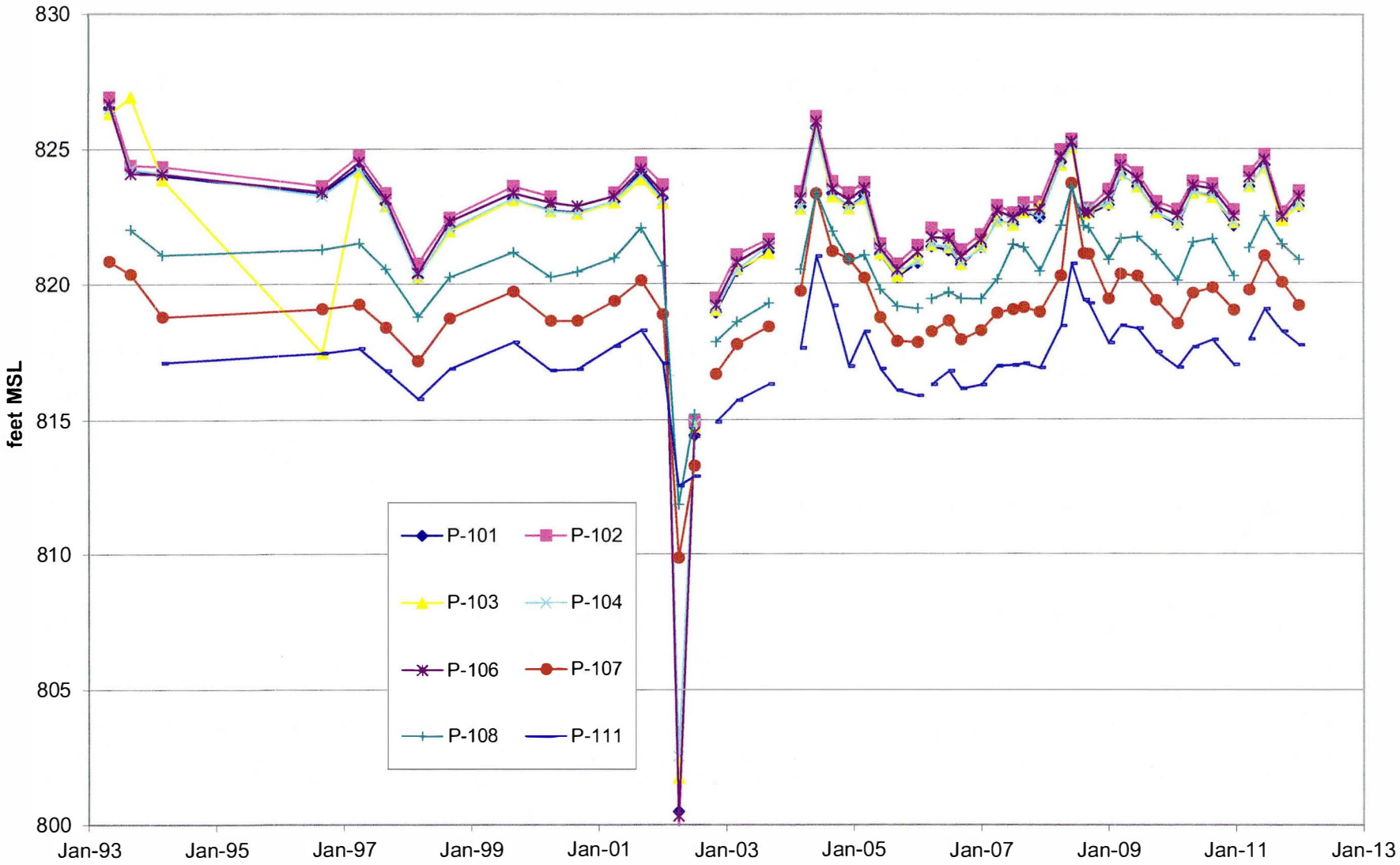

Chart 3: Layer 3 Historic Water Level Data

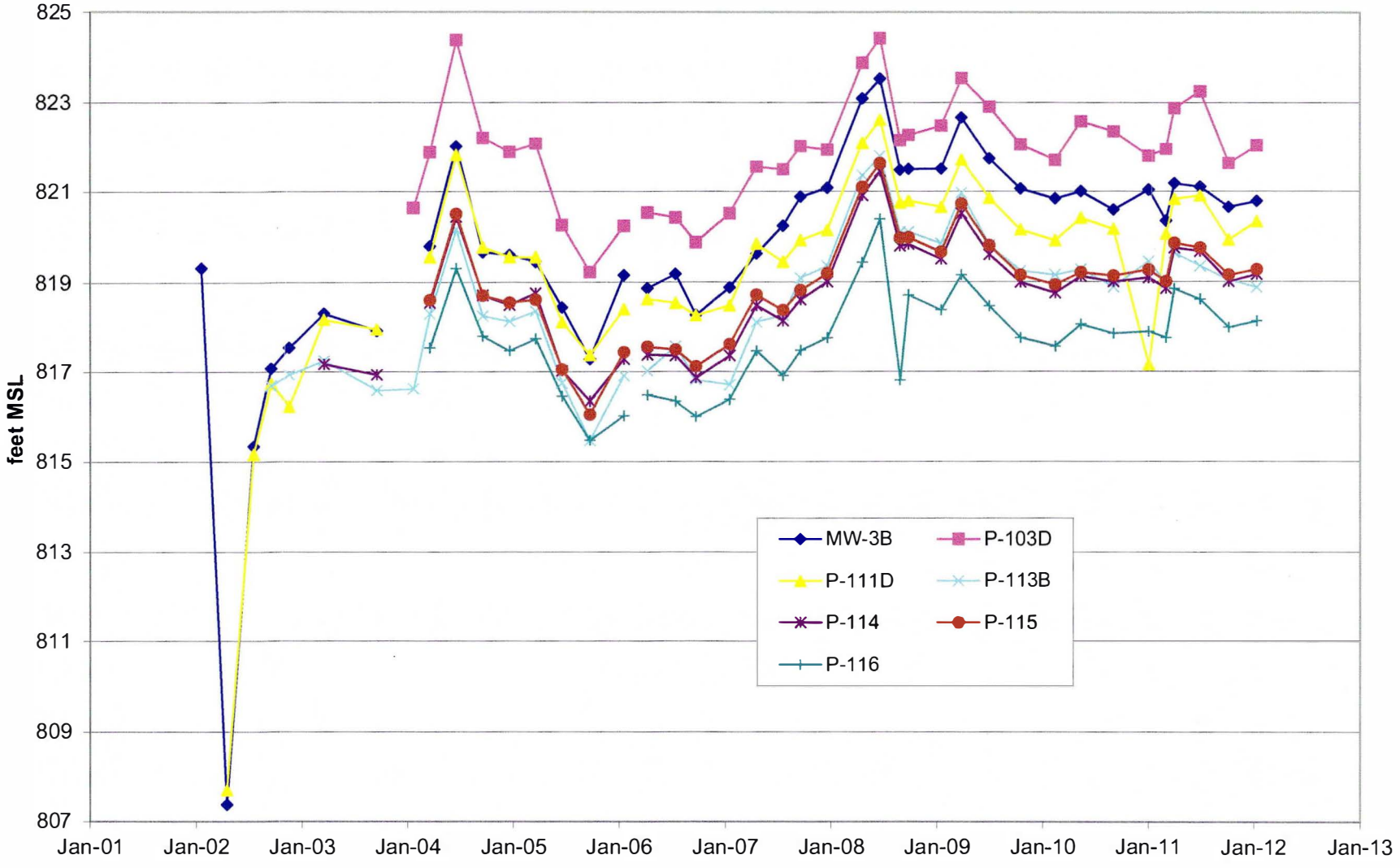

Chart 4: Layer 4 Historic Water Level Data

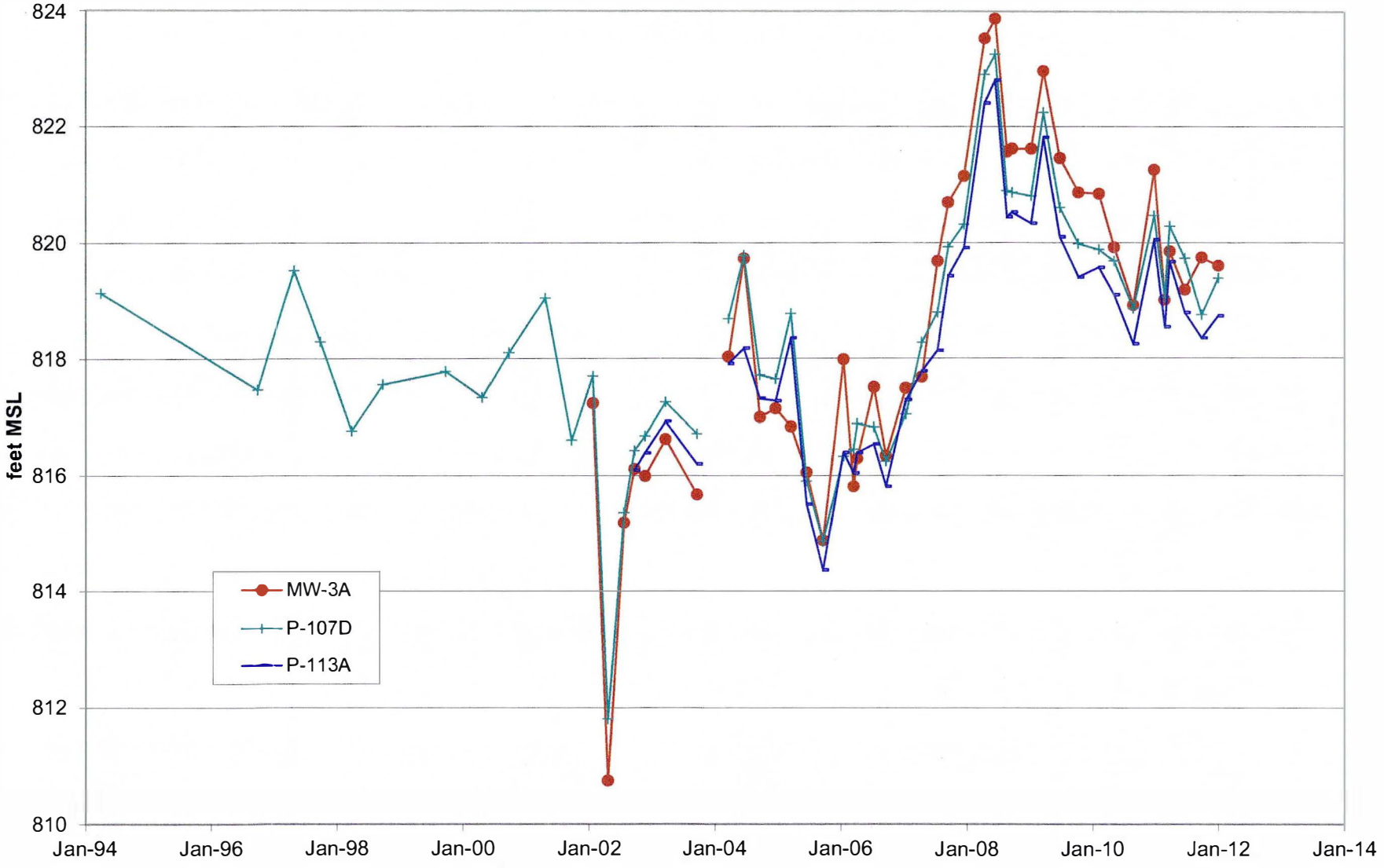

Chart 5: GV-1 Gas Concentrations

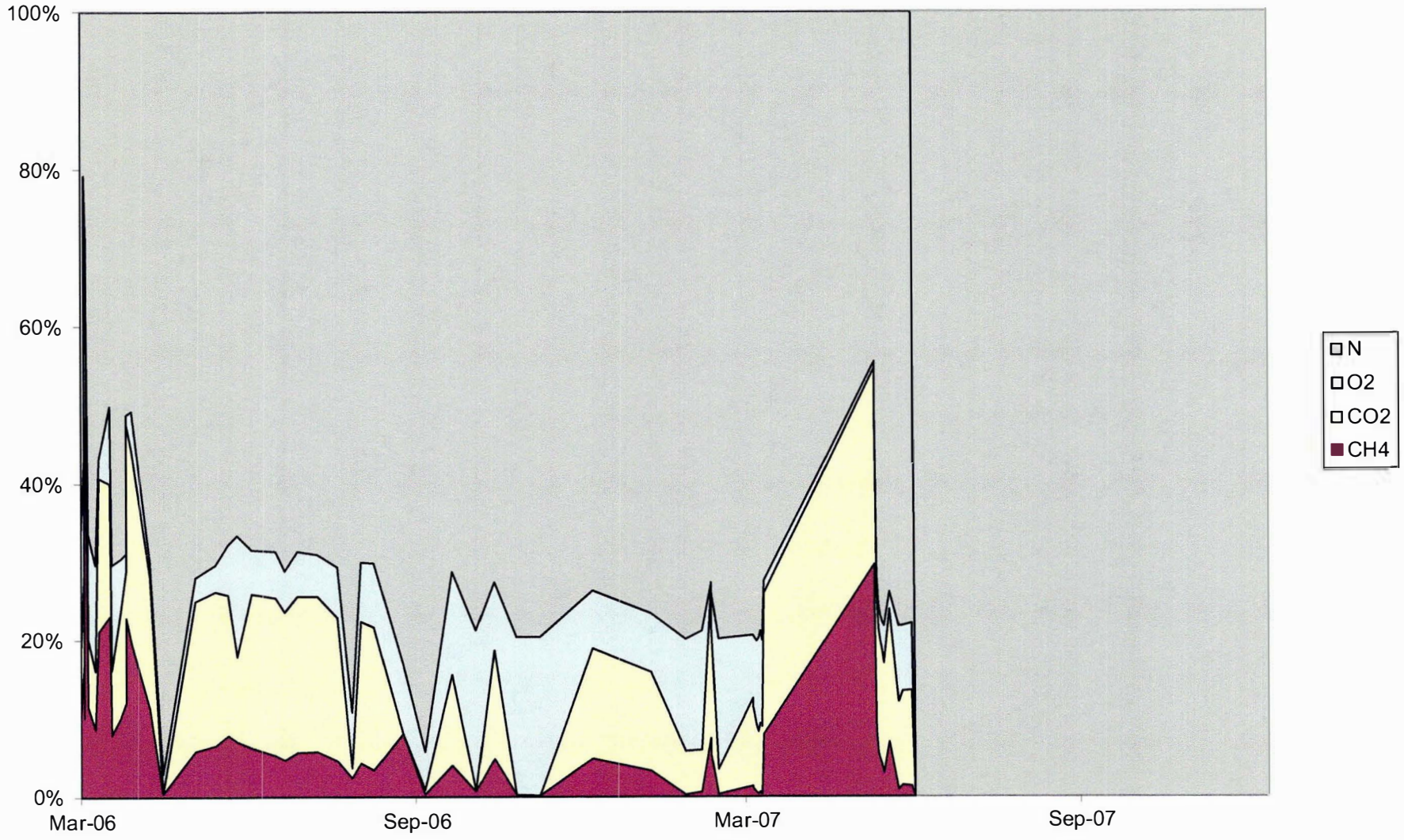

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Chart 6: GV-4 Gas Concentrations

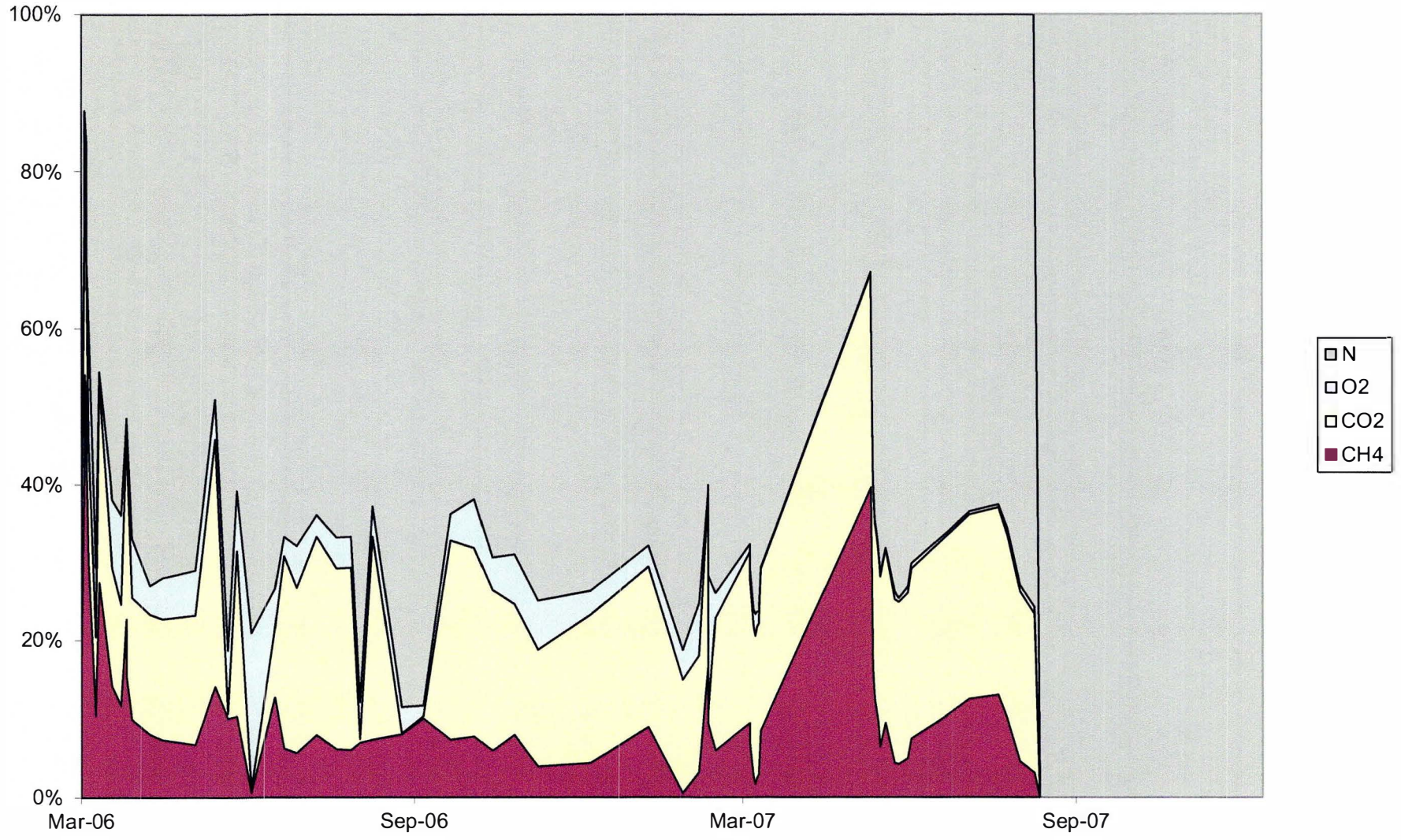

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Chart 7: GV-6 Gas Concentrations

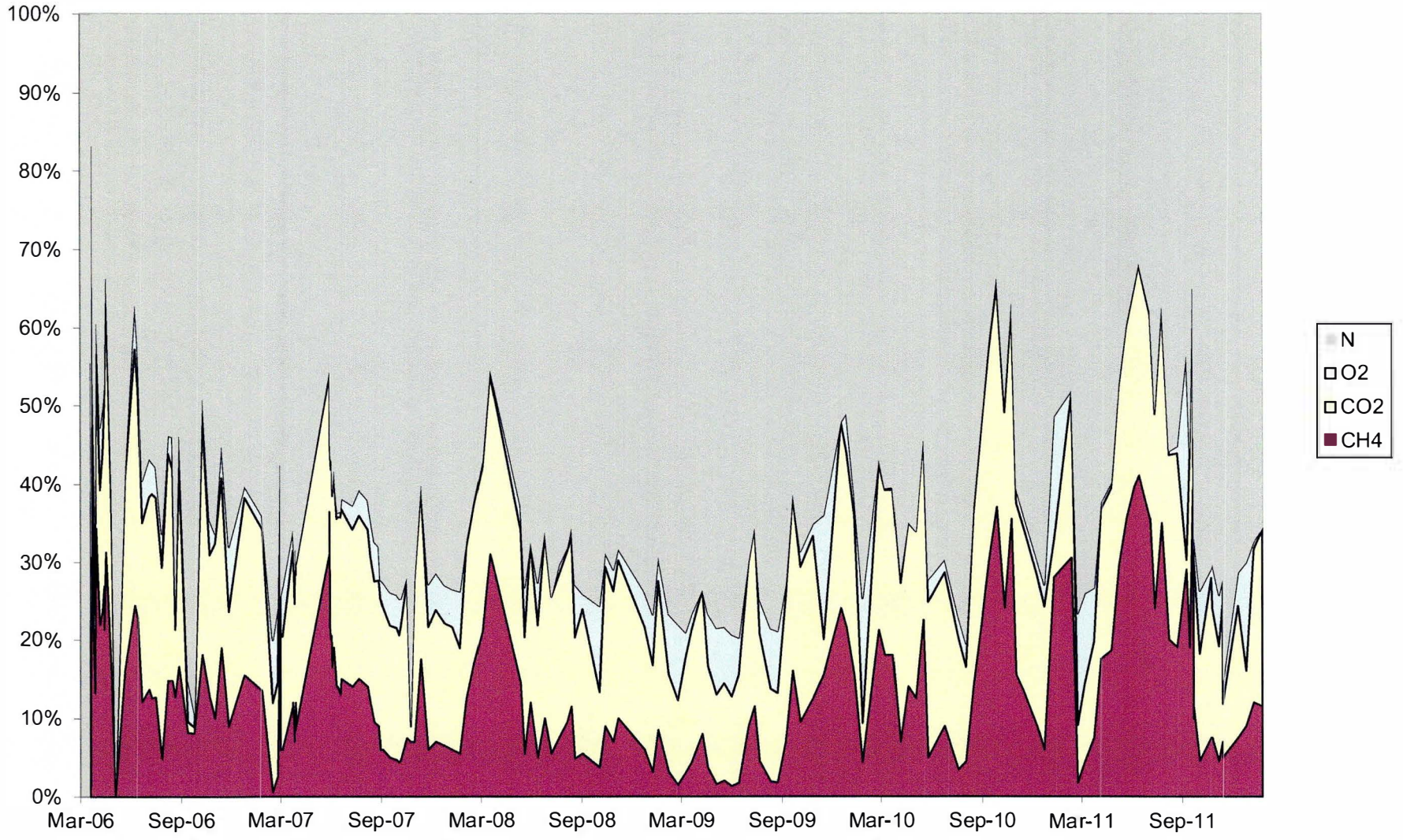

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Chart 8: GV-7 Gas Concentrations

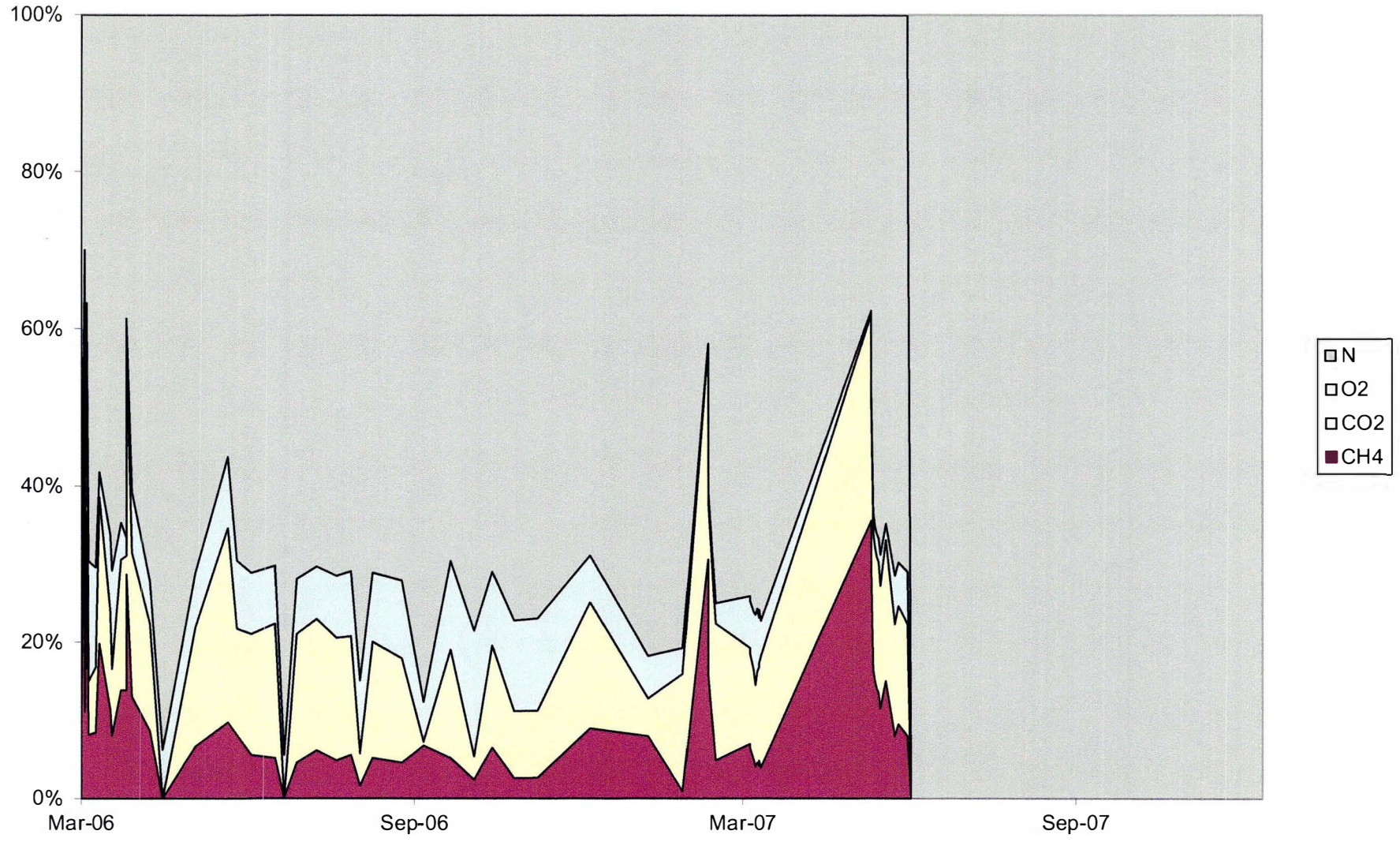

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Chart 9: GV-9 Gas Concentrations

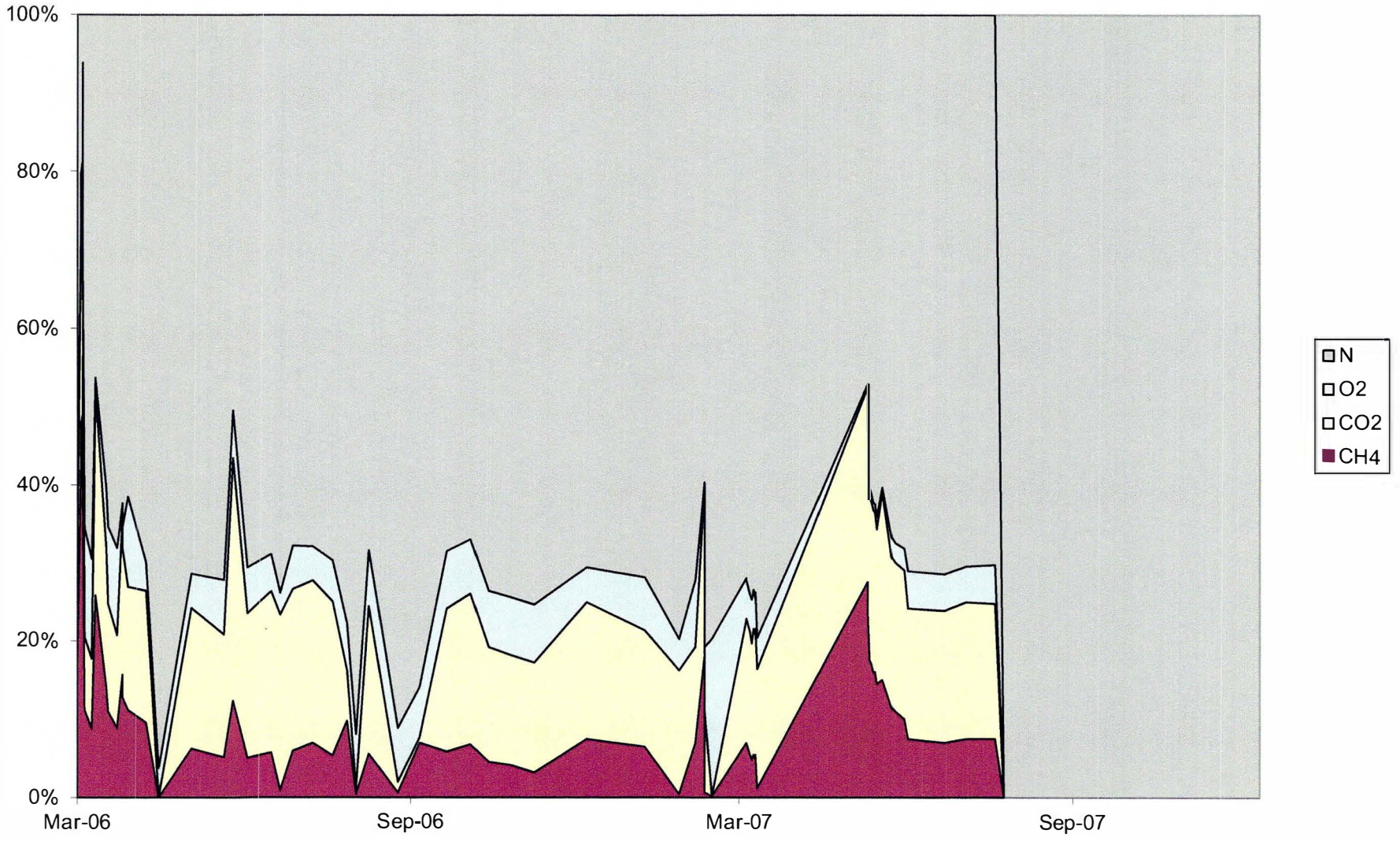

Chart 10: GV-12 Gas Concentrations

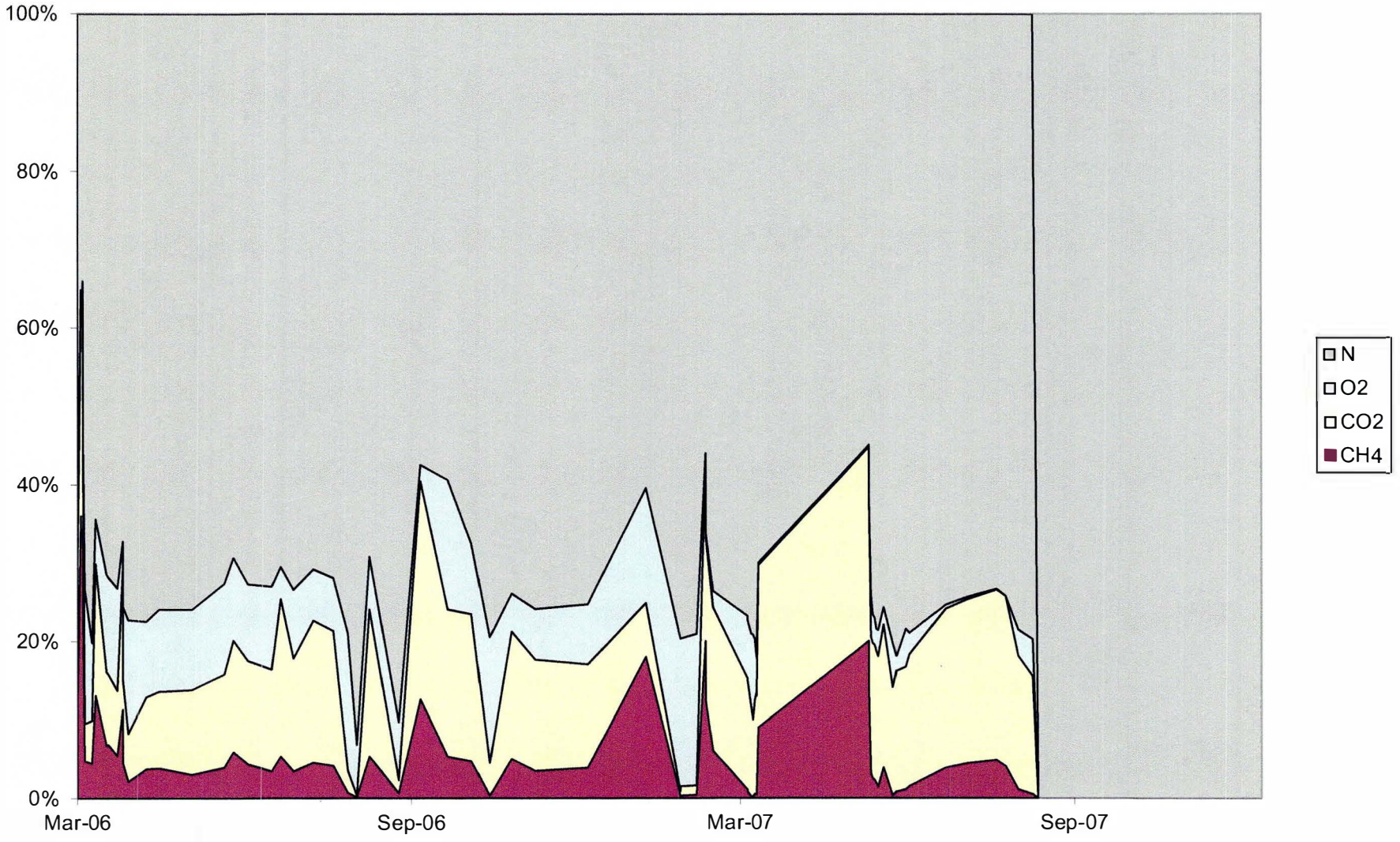

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Chart 11: LC-1 Gas Concentrations

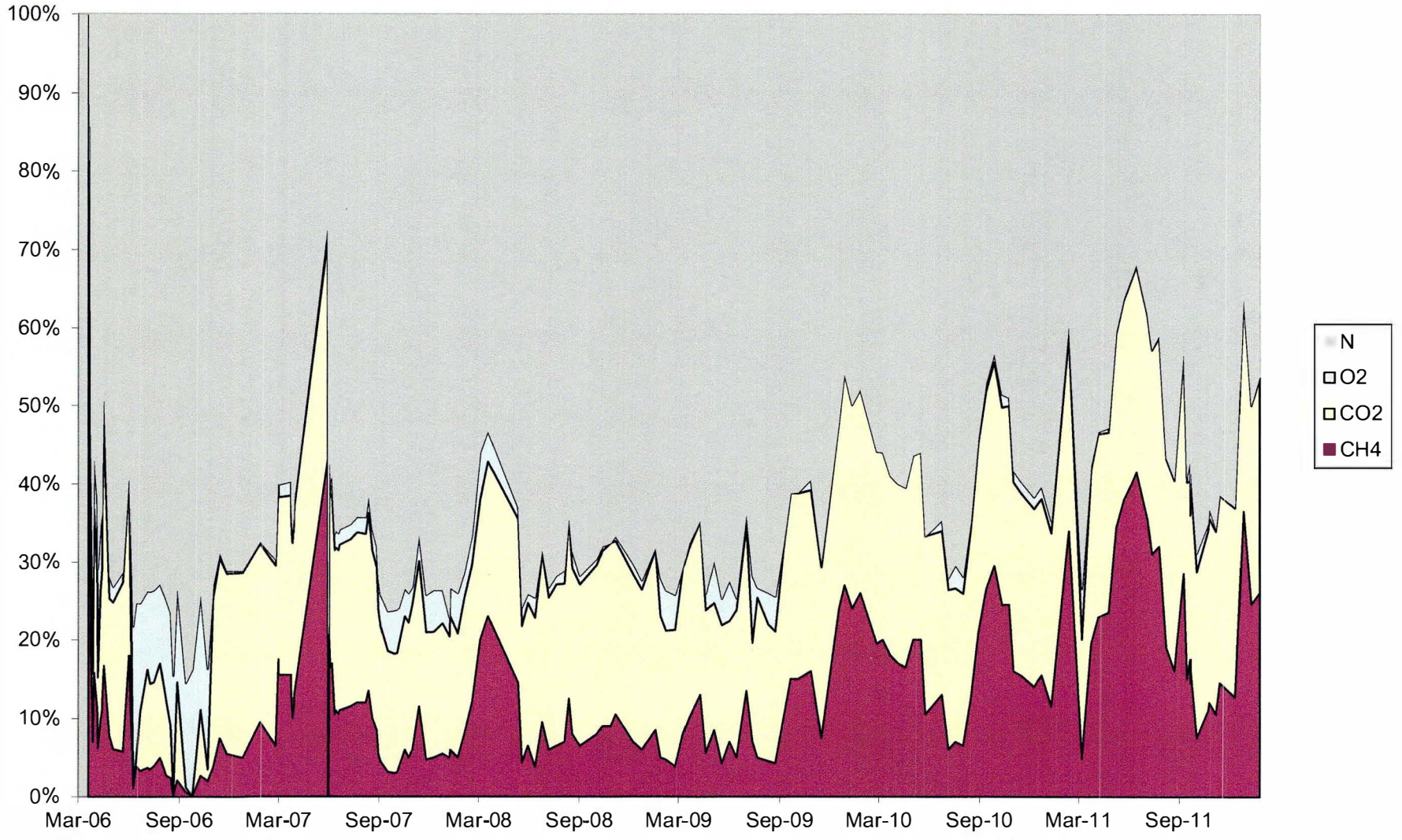

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Chart 12: LC-2 Gas Concentrations

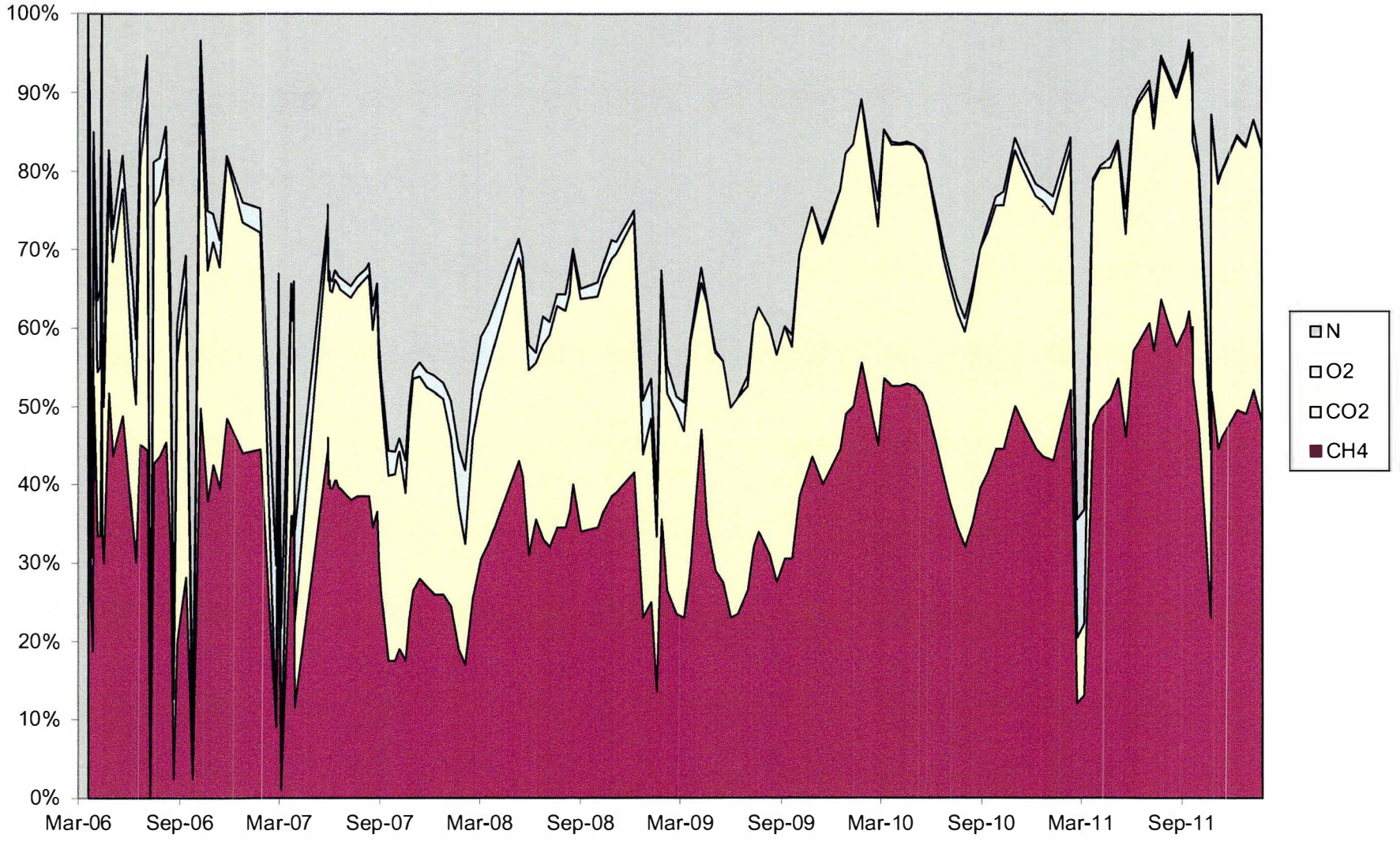

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Chart 13: LC-3 Gas Concentrations

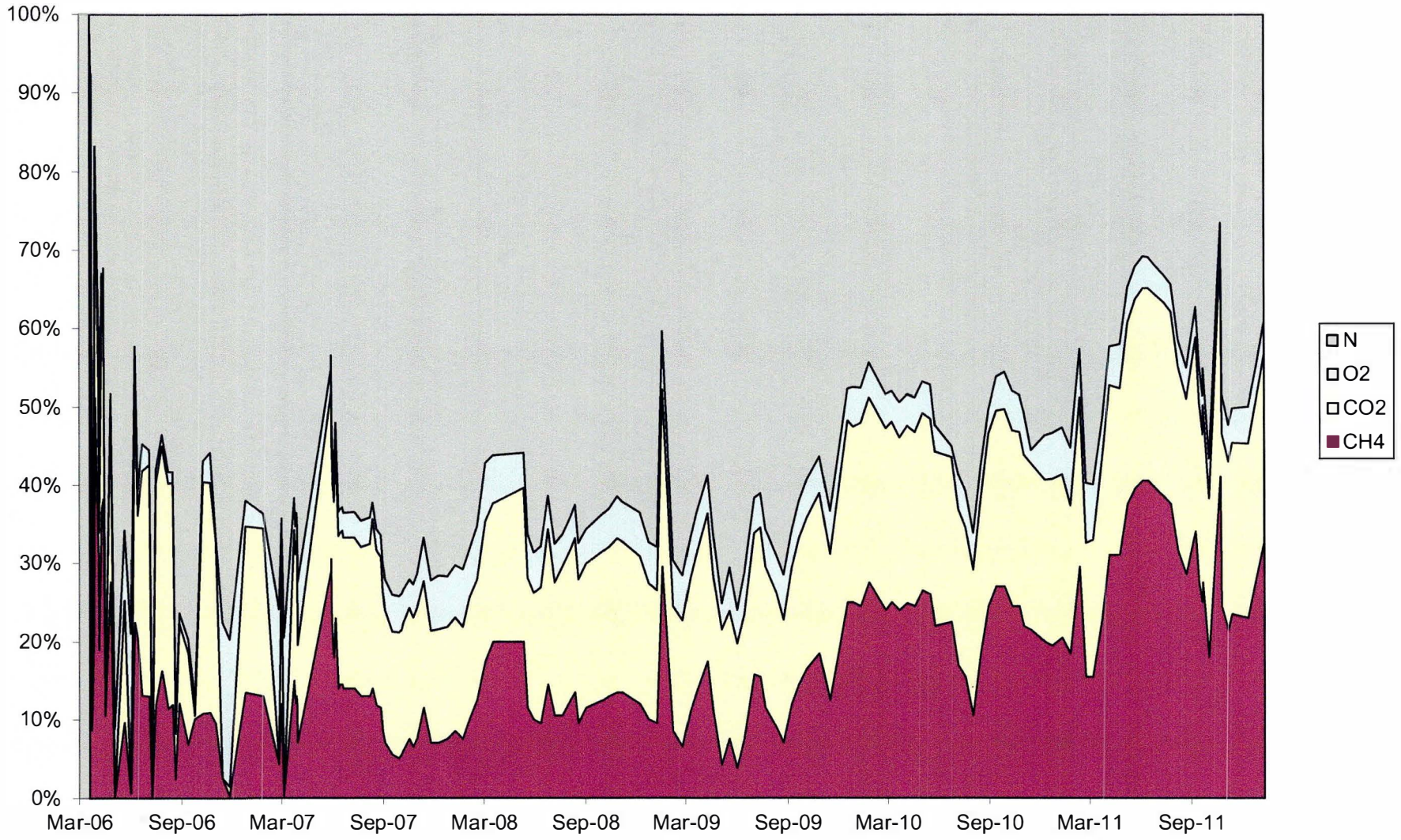

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Chart 14: System Exhaust

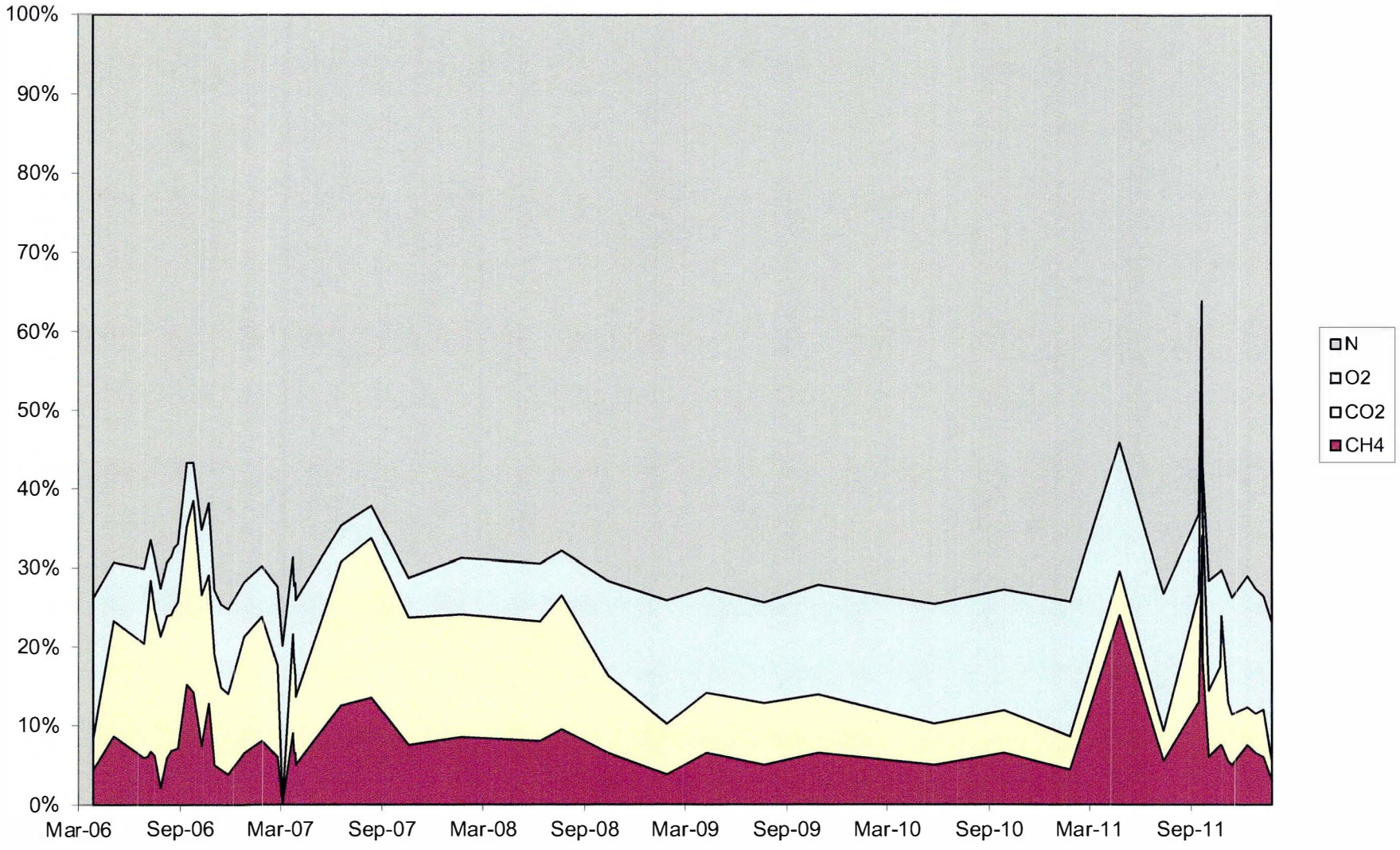

Chart 15: GP-1 Gas Concentrations

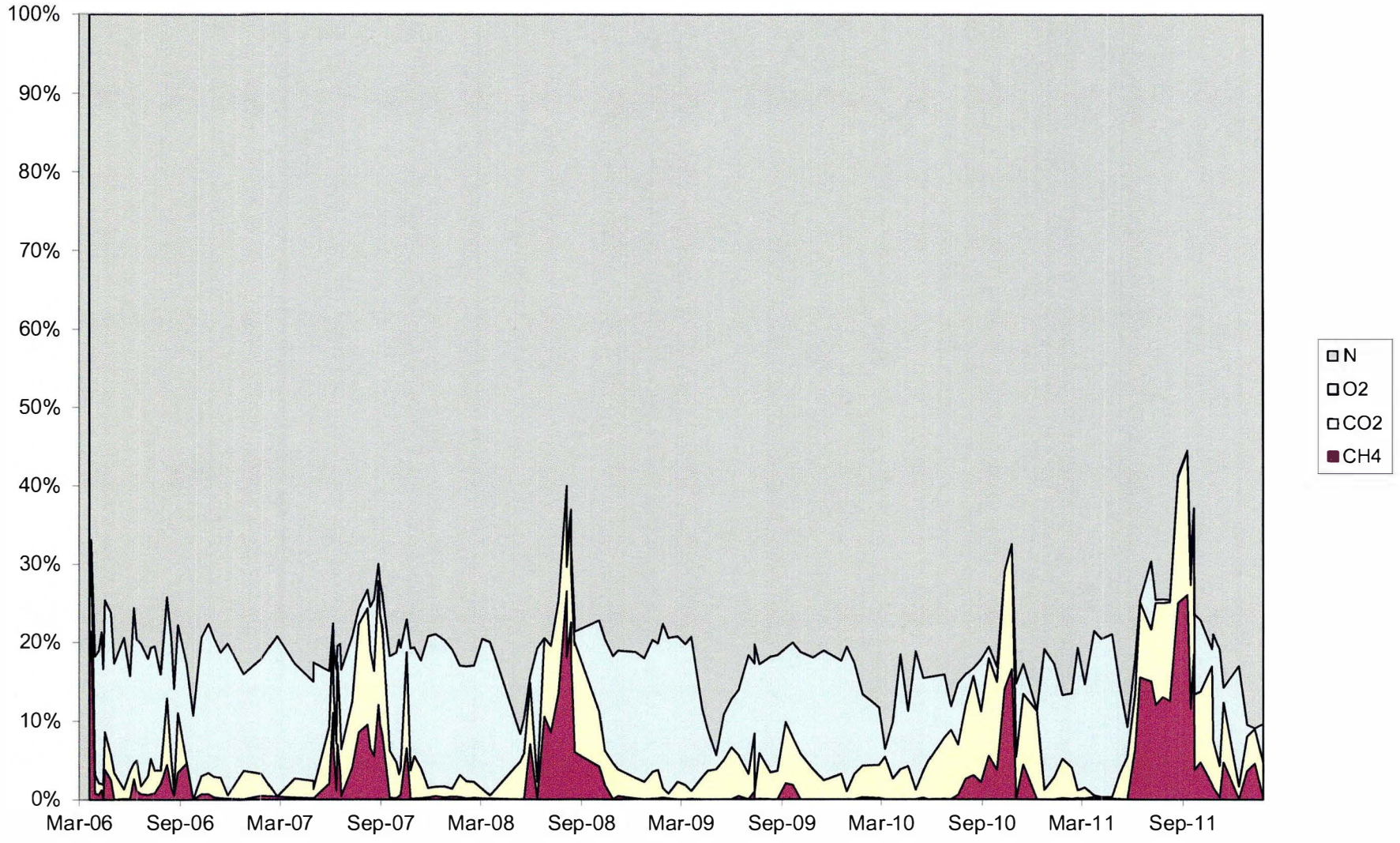

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Chart 16: GP-2 Gas Concentrations

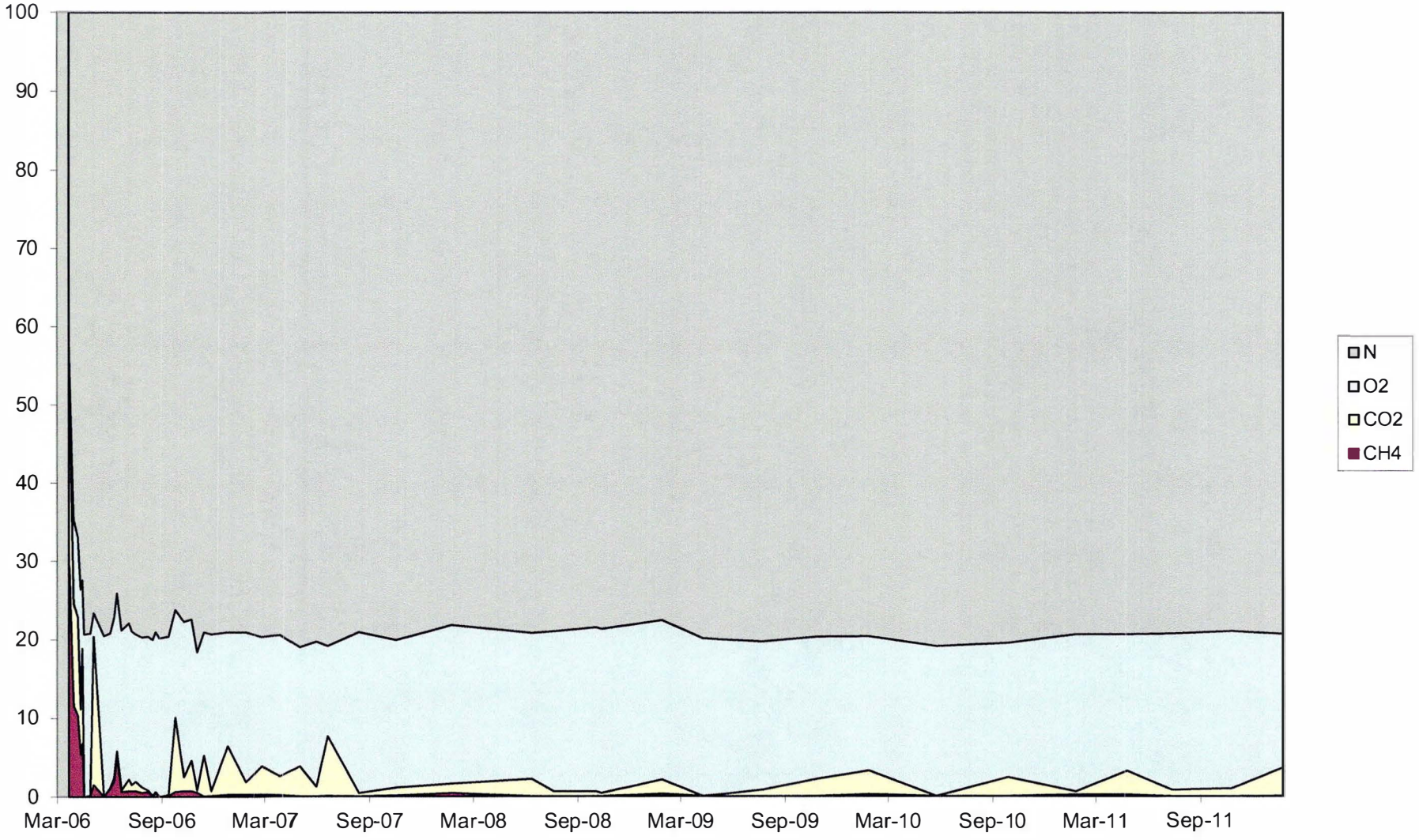

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Chart 17: GP-3 Gas Concentrations

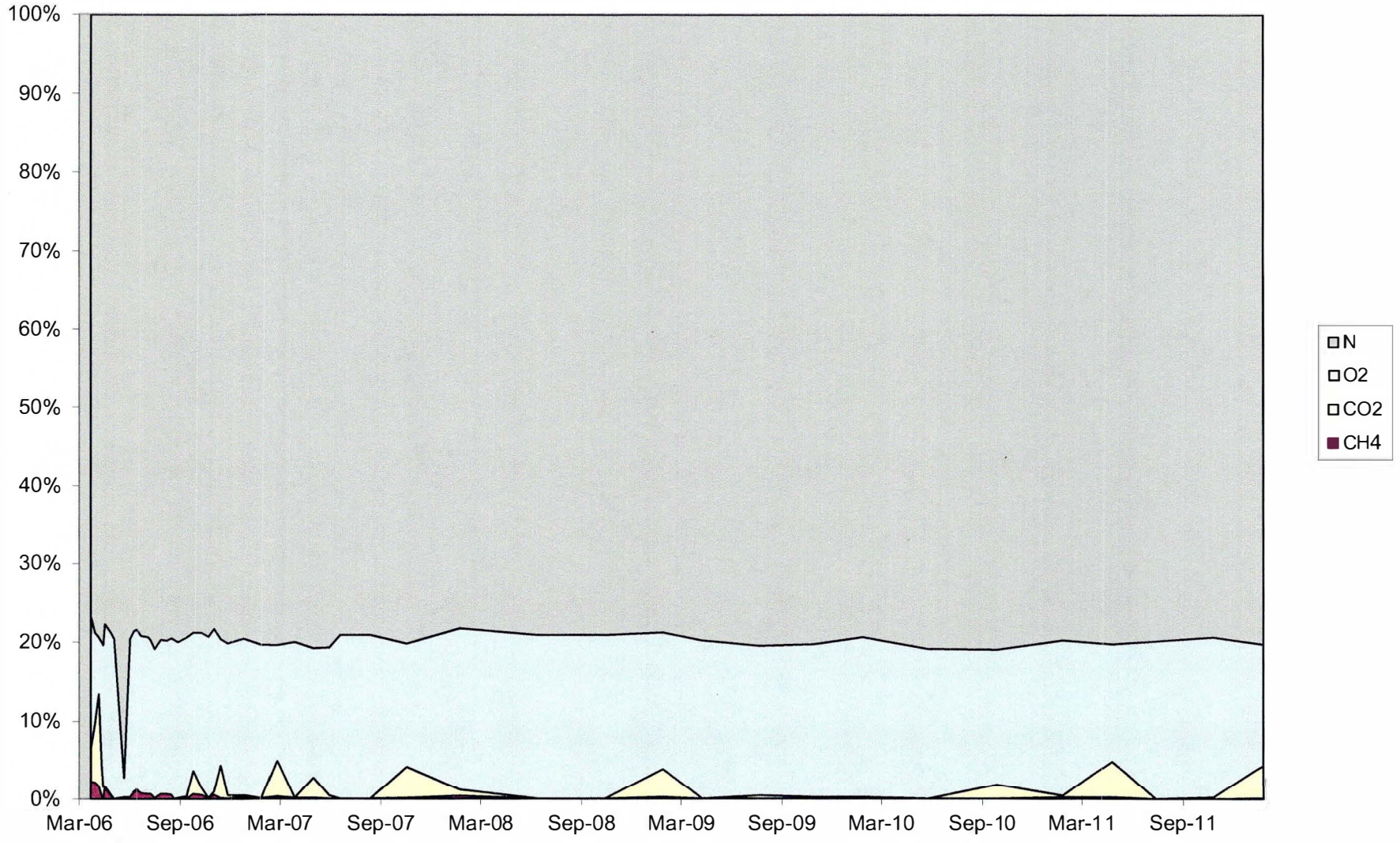

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Chart 18: GP-4 Gas Concentrations

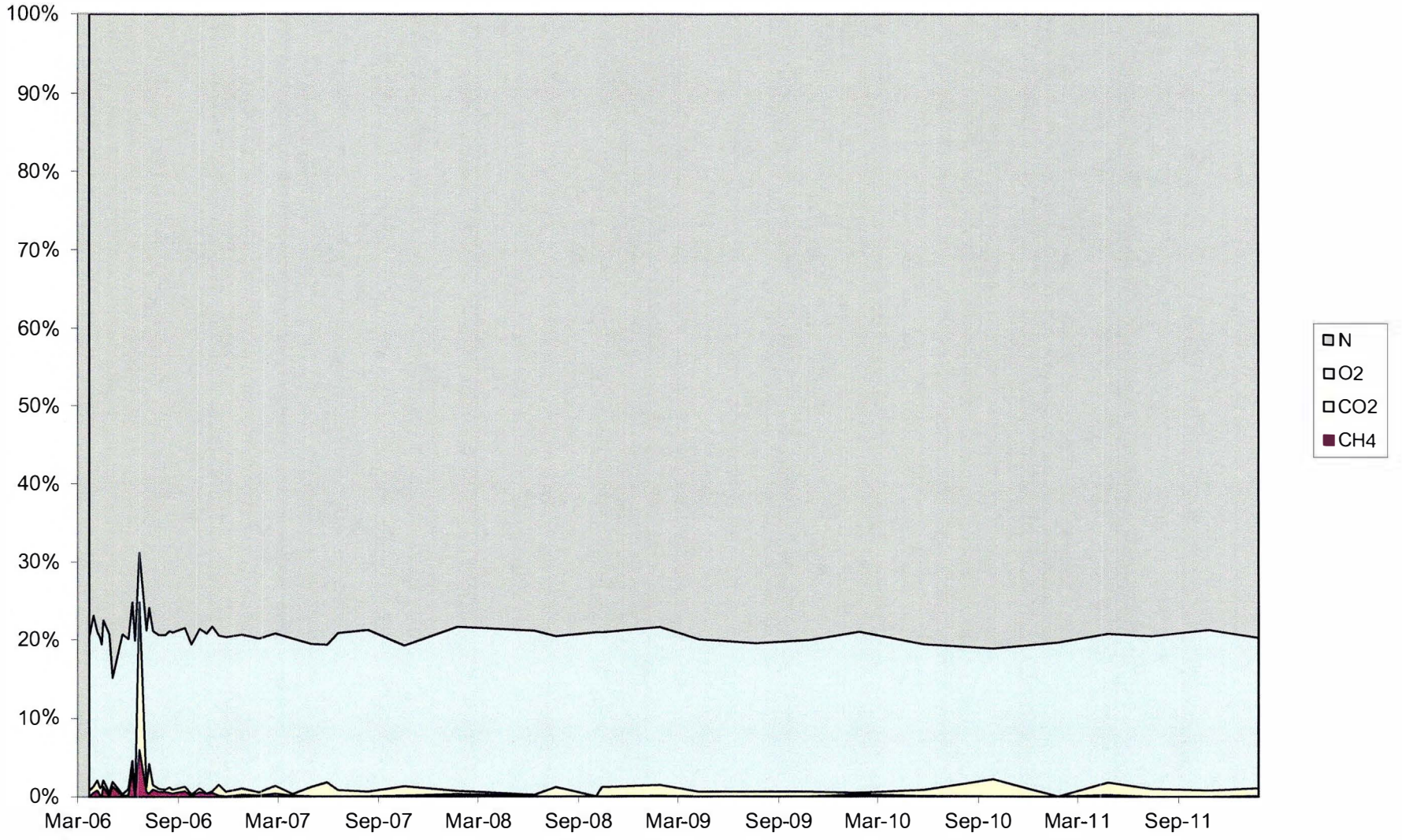

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Chart 19: GP-5 Gas Concentrations

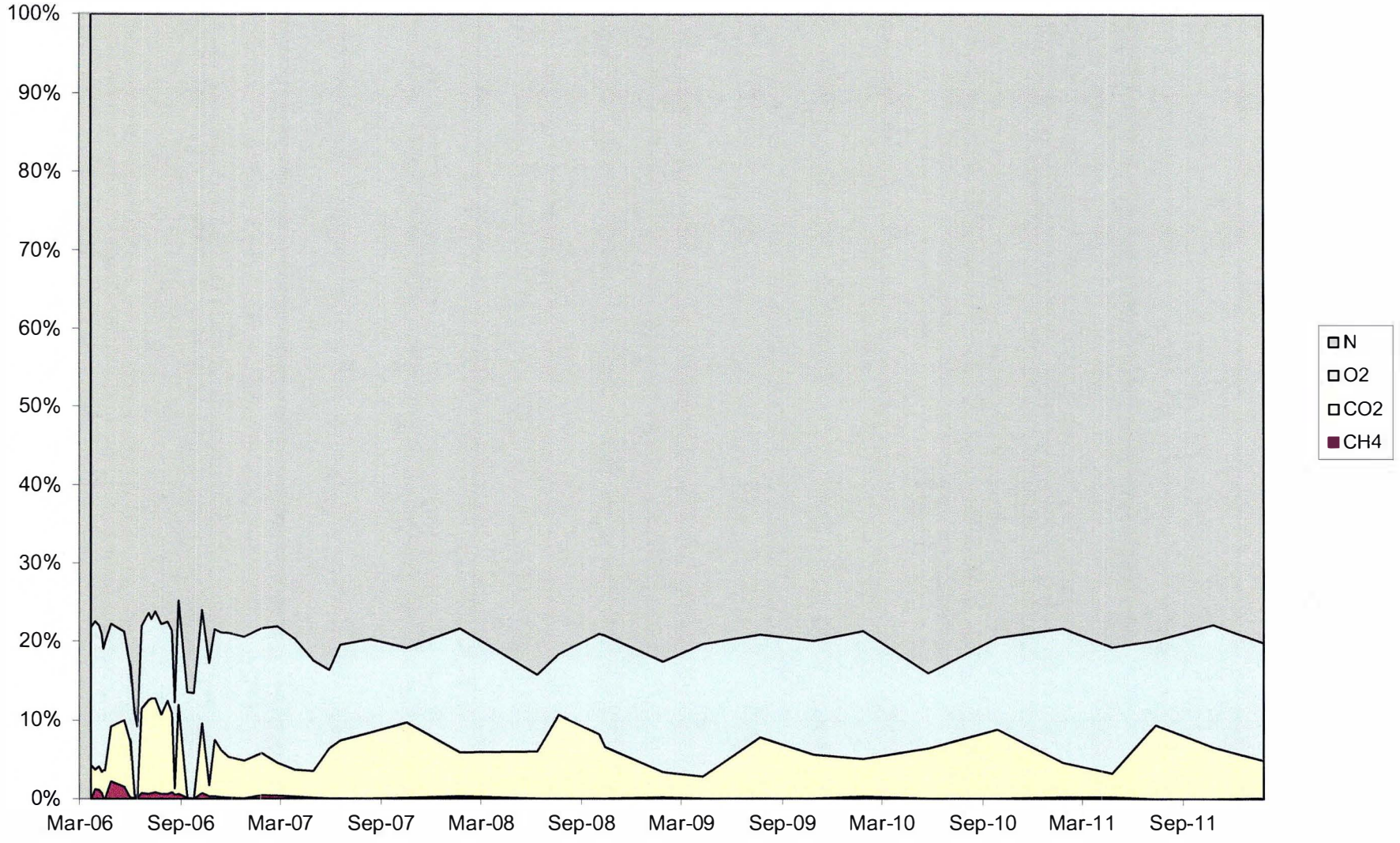

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Chart 20: GP-6 Gas Concentrations

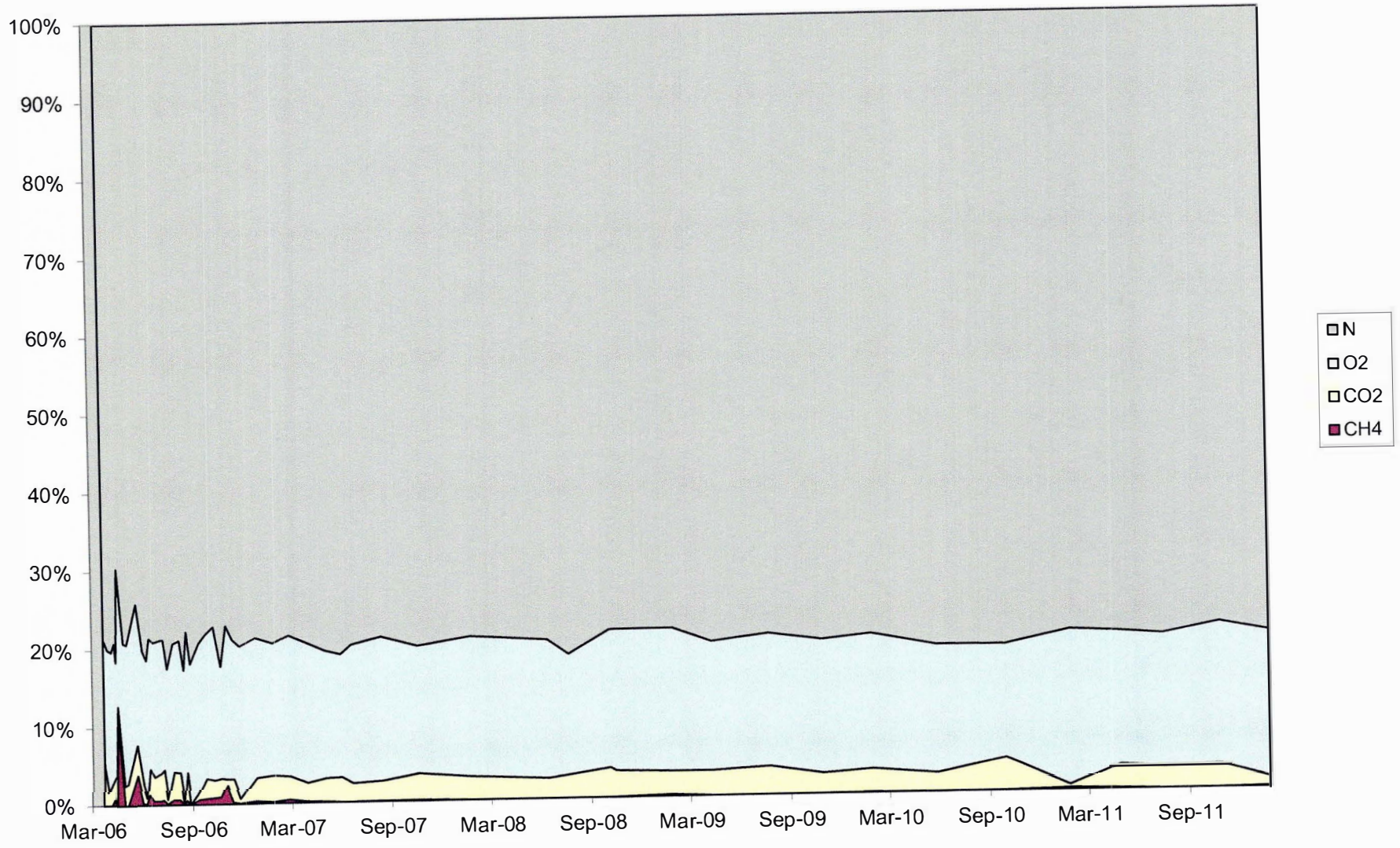

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Chart 21: GP-7 Gas Concentrations

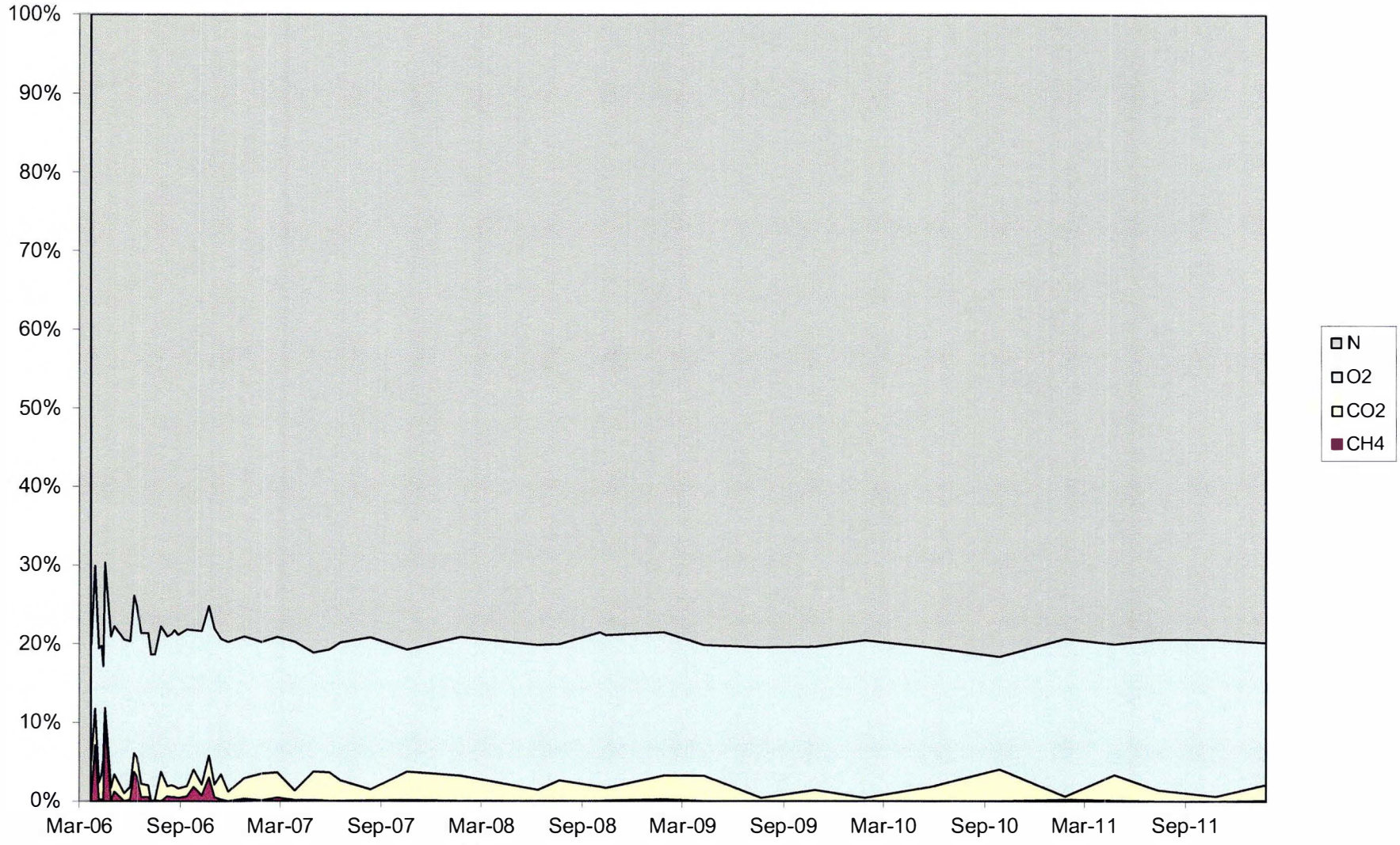

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Chart 22: GP-8 Gas Concentrations

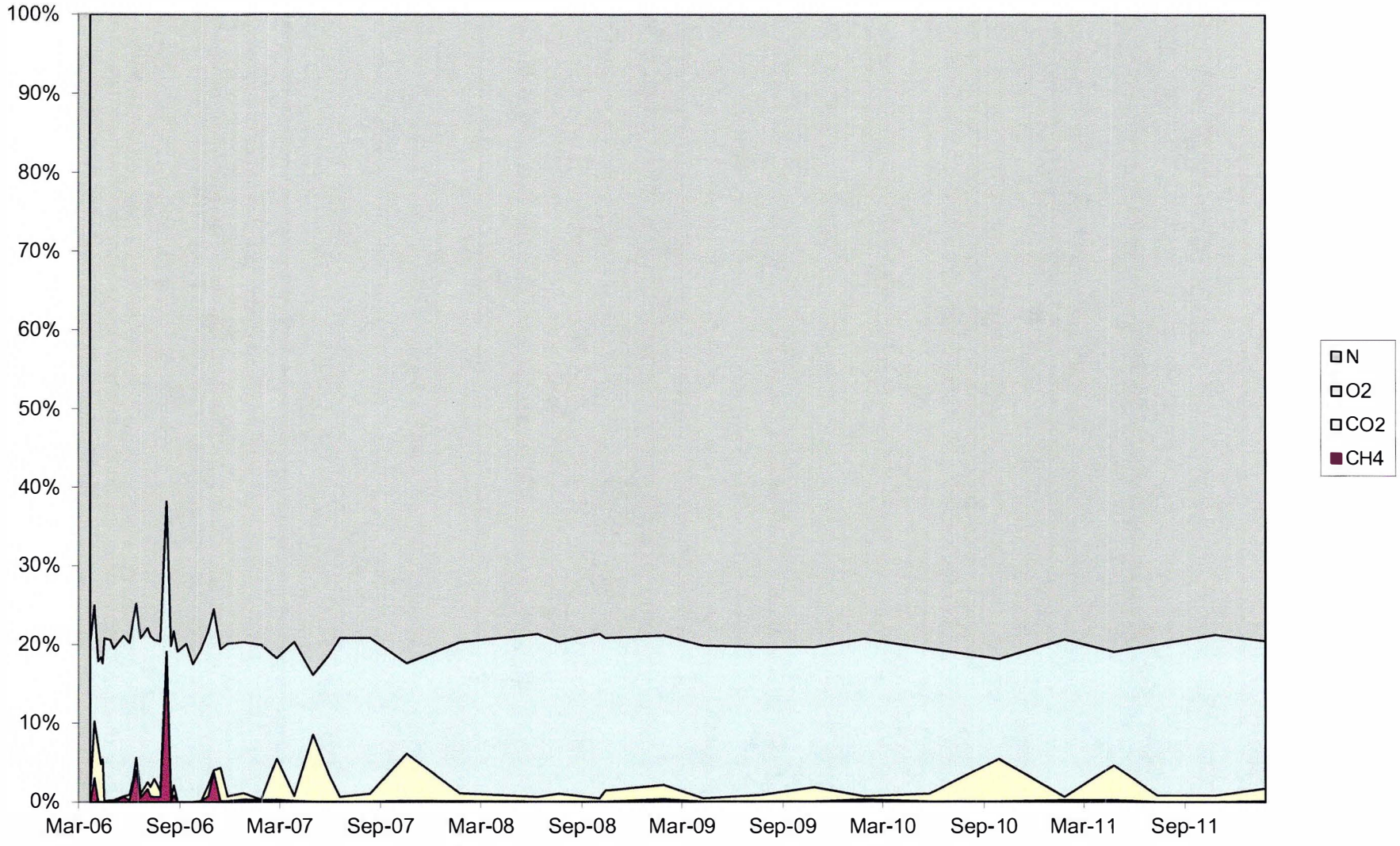

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Chart 23: GP-10 Gas Concentrations

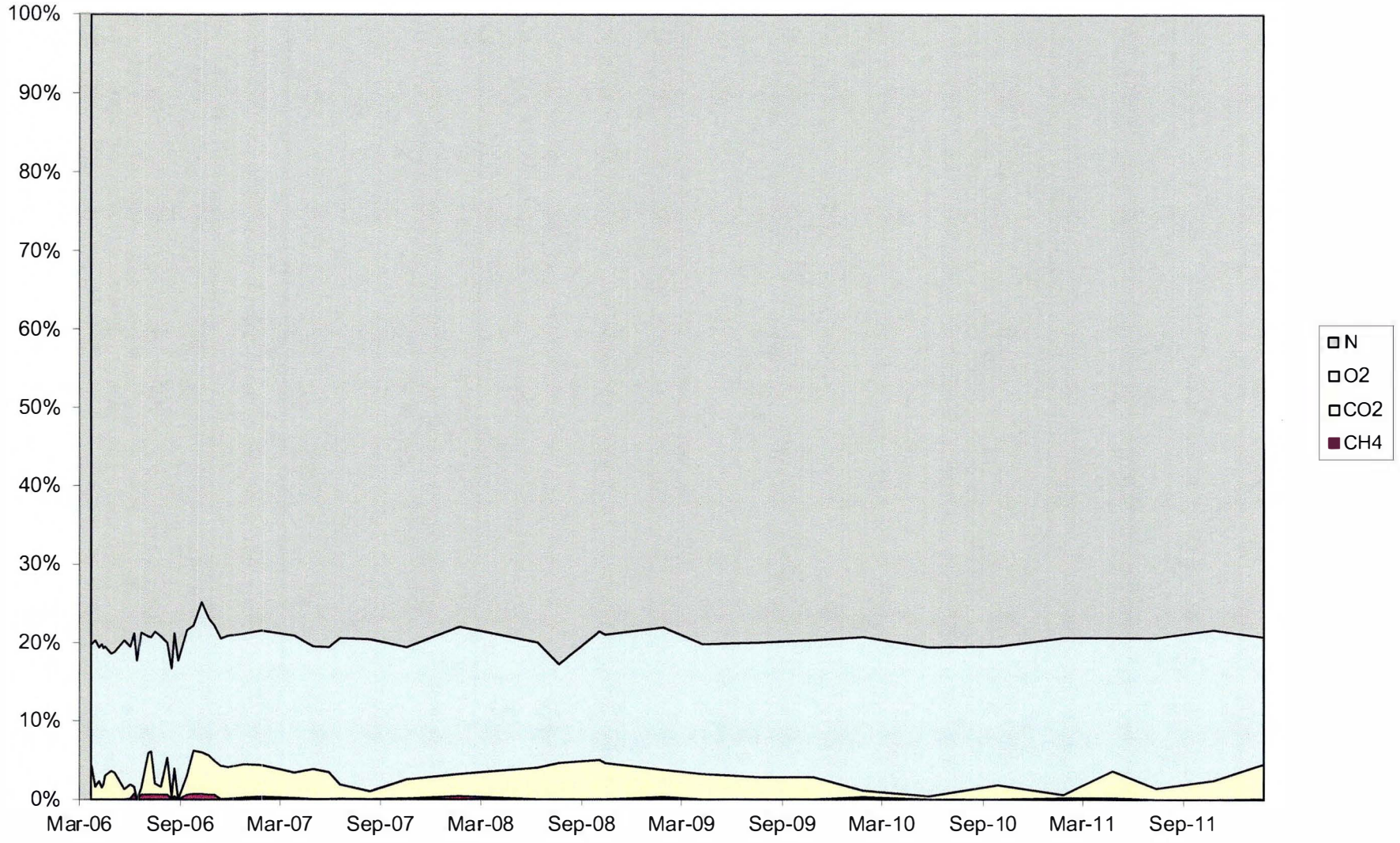

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Chart 24: GP-11 Gas Concentrations

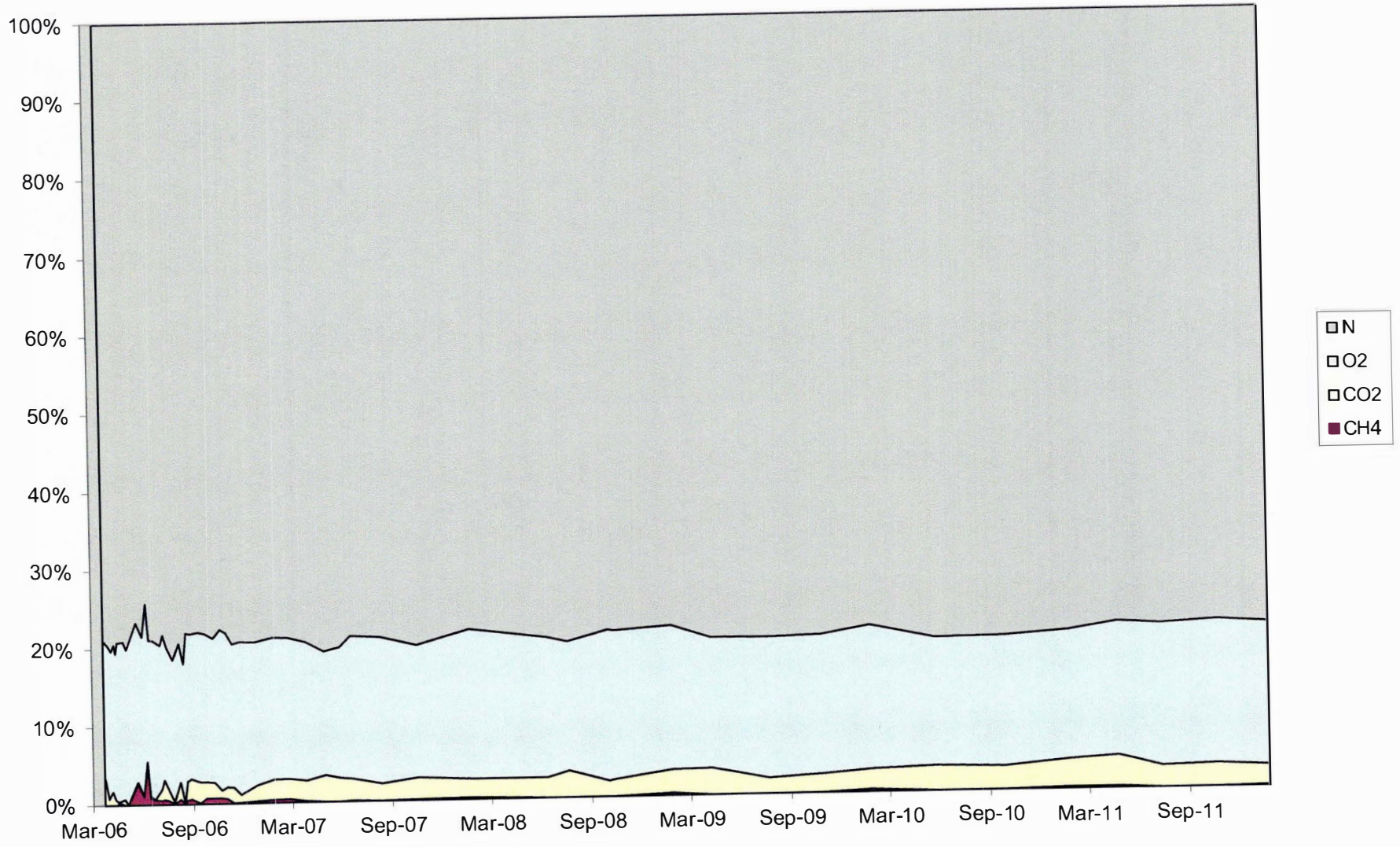

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Chart 25: GP-12 Gas Concentrations

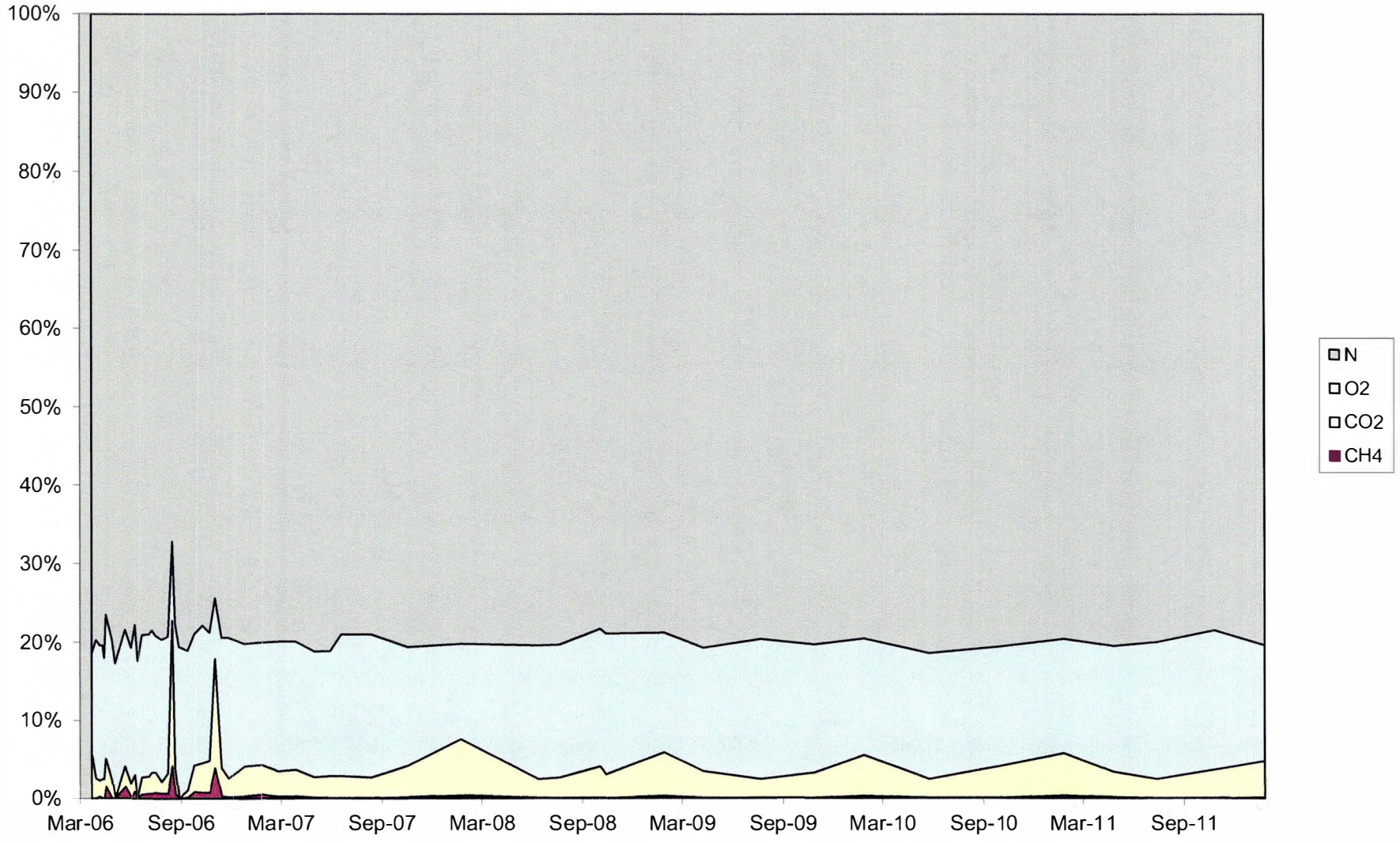

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Chart 26: MW-101 Gas Concentrations

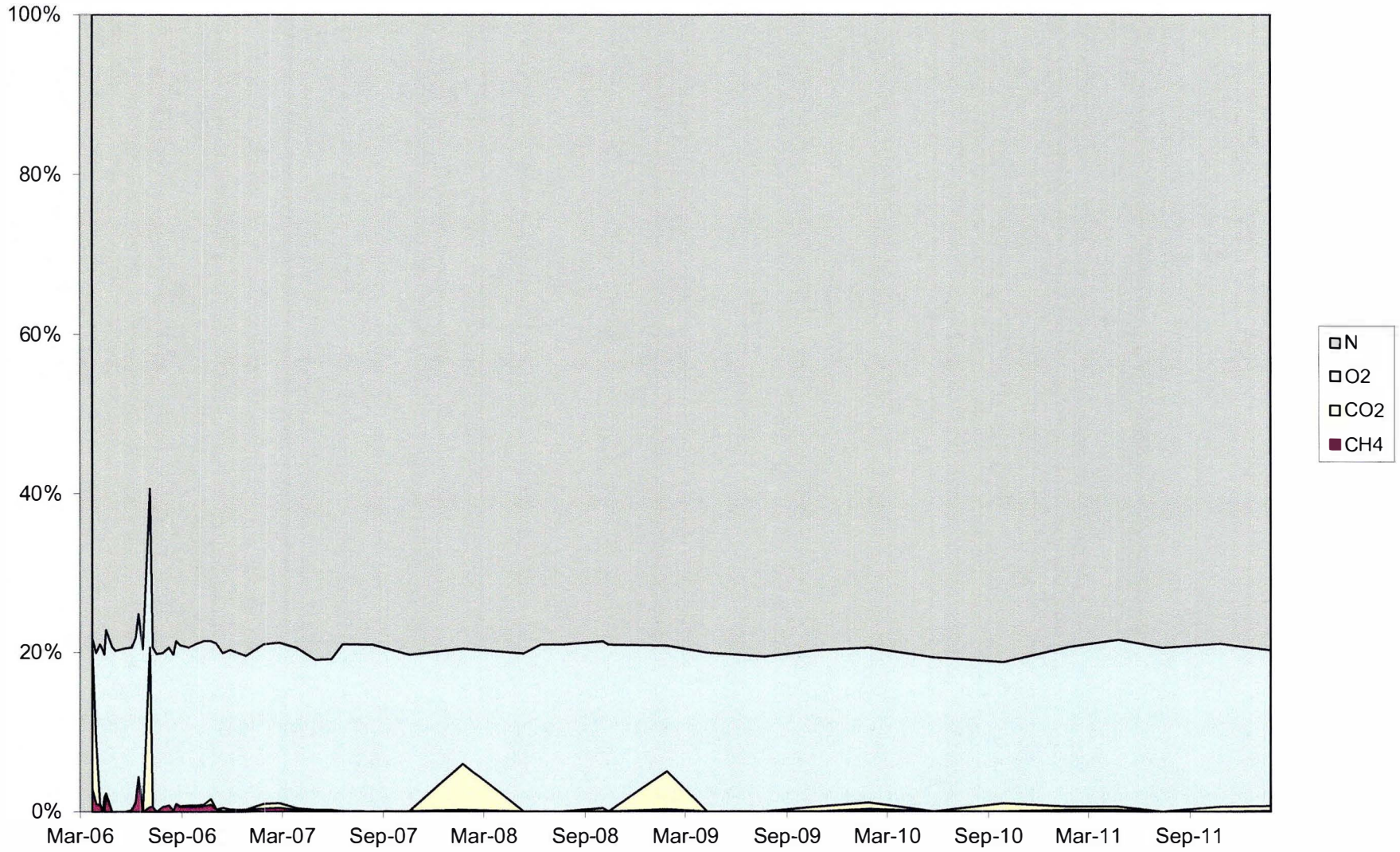

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Chart 27: MW-102 Gas Concentrations

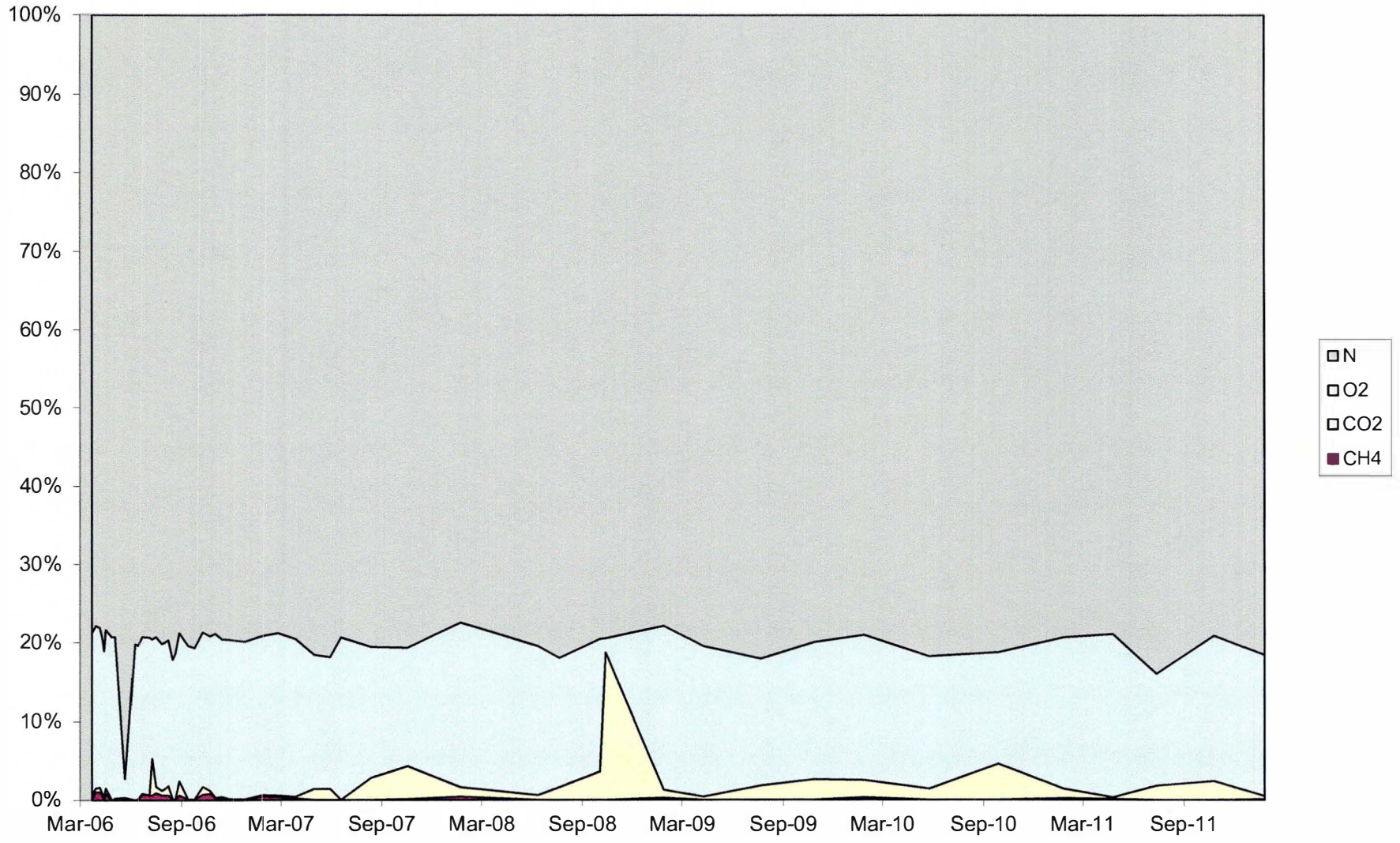

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Chart 28: MW-103 Gas Concentrations

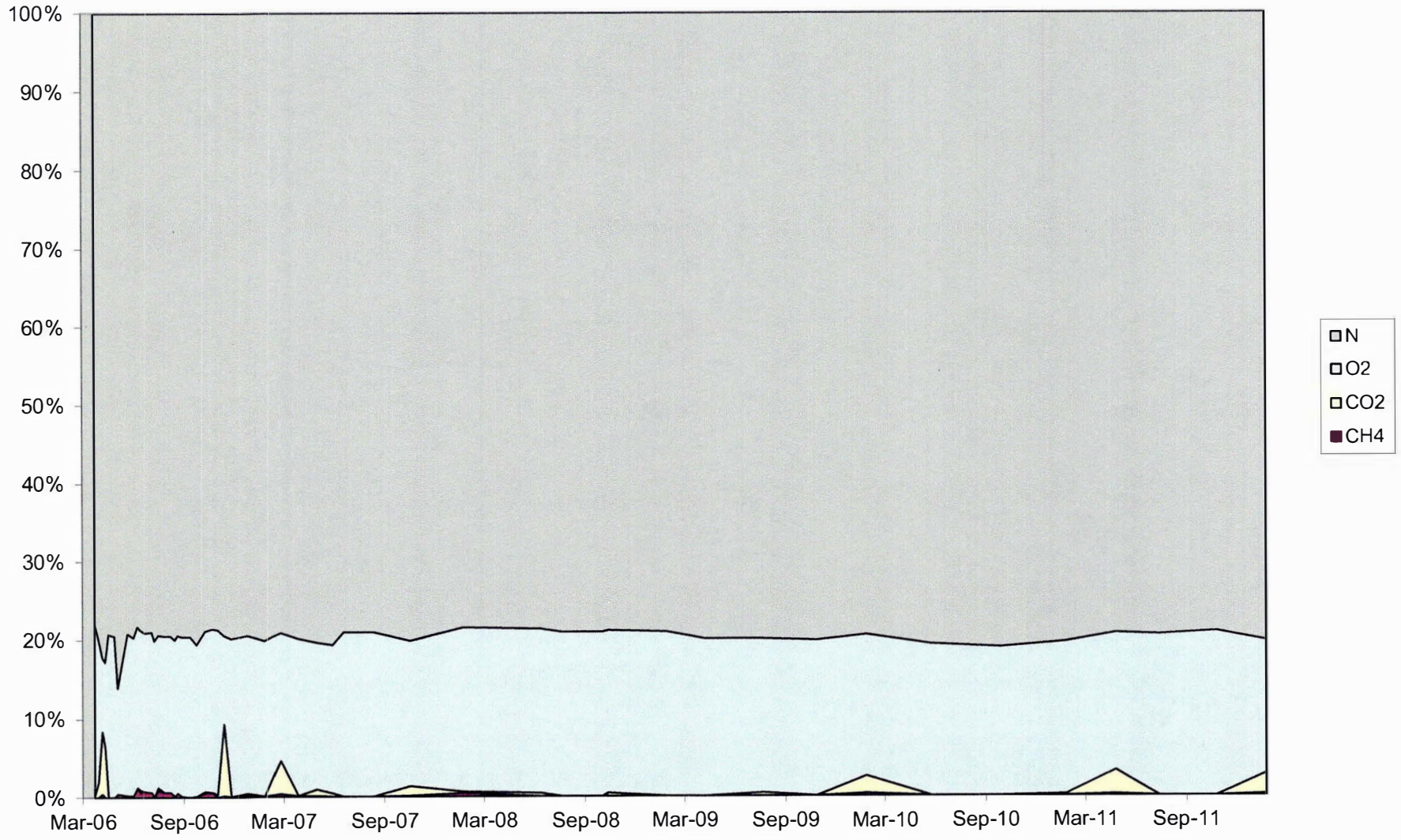

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Chart 29: MW-104 Gas Concentrations

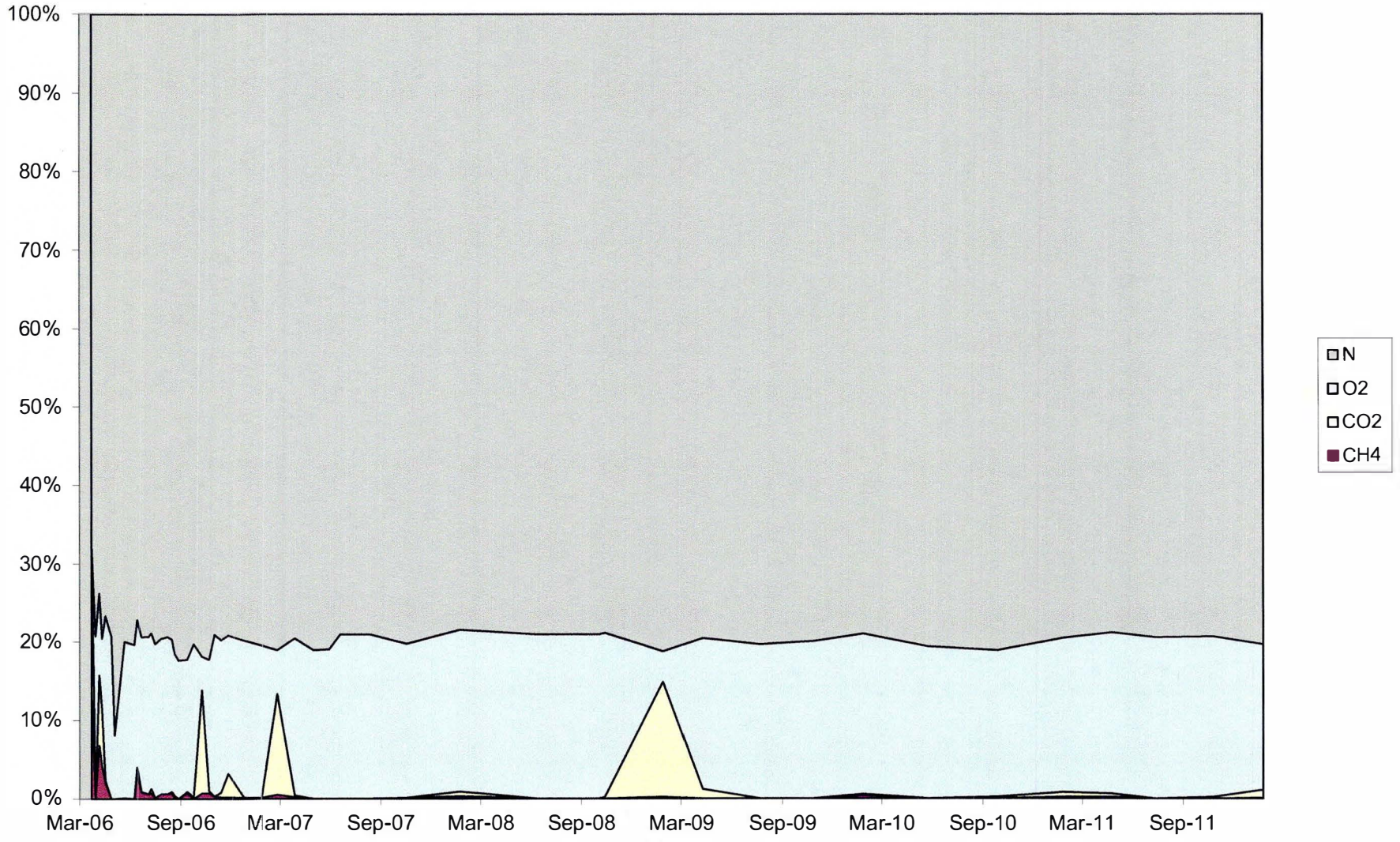

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Chart 30: Barometric Pressure
(Weather Station: Ripon, WI)

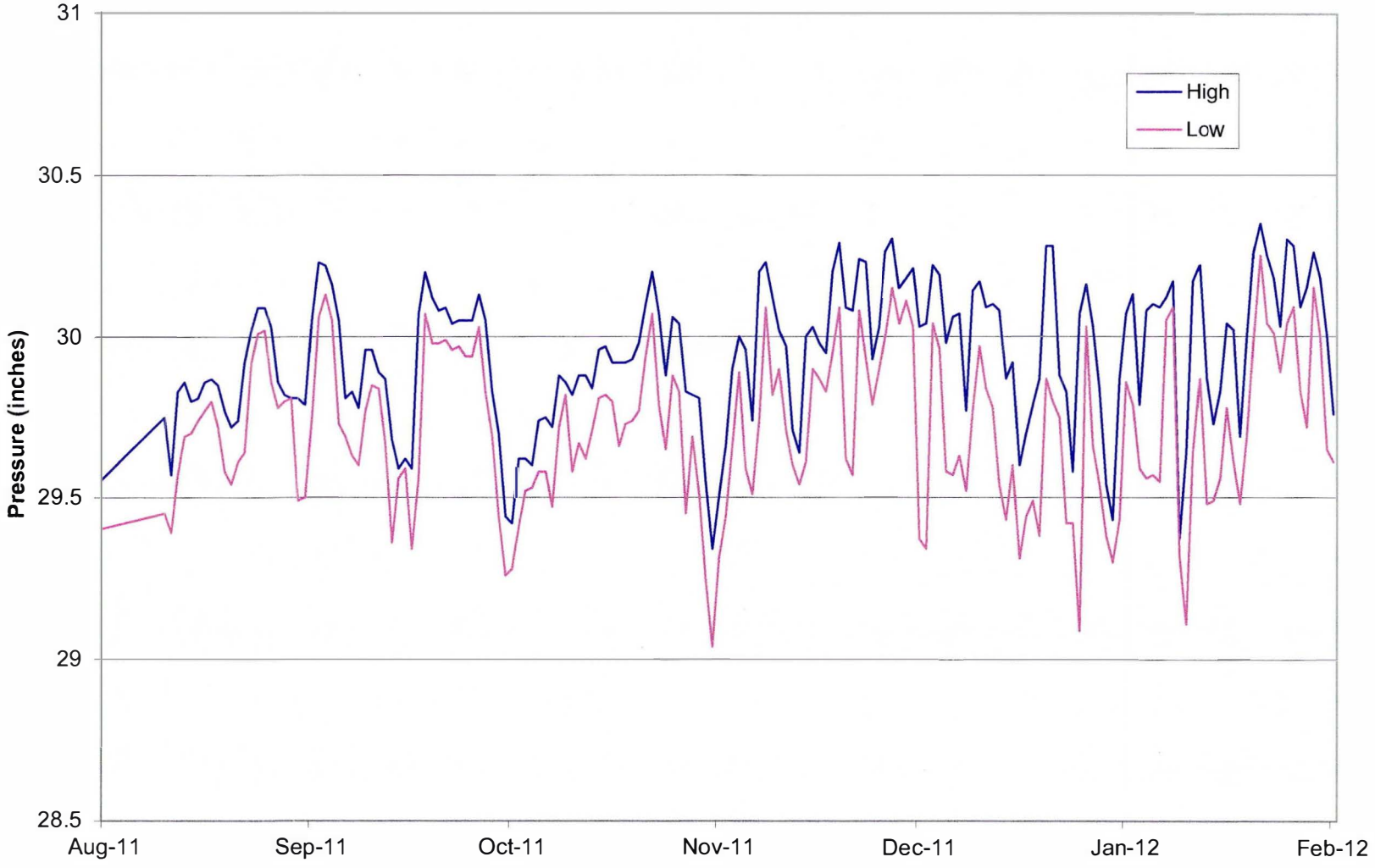


Chart 31: LC-1
Total Gas VOCs

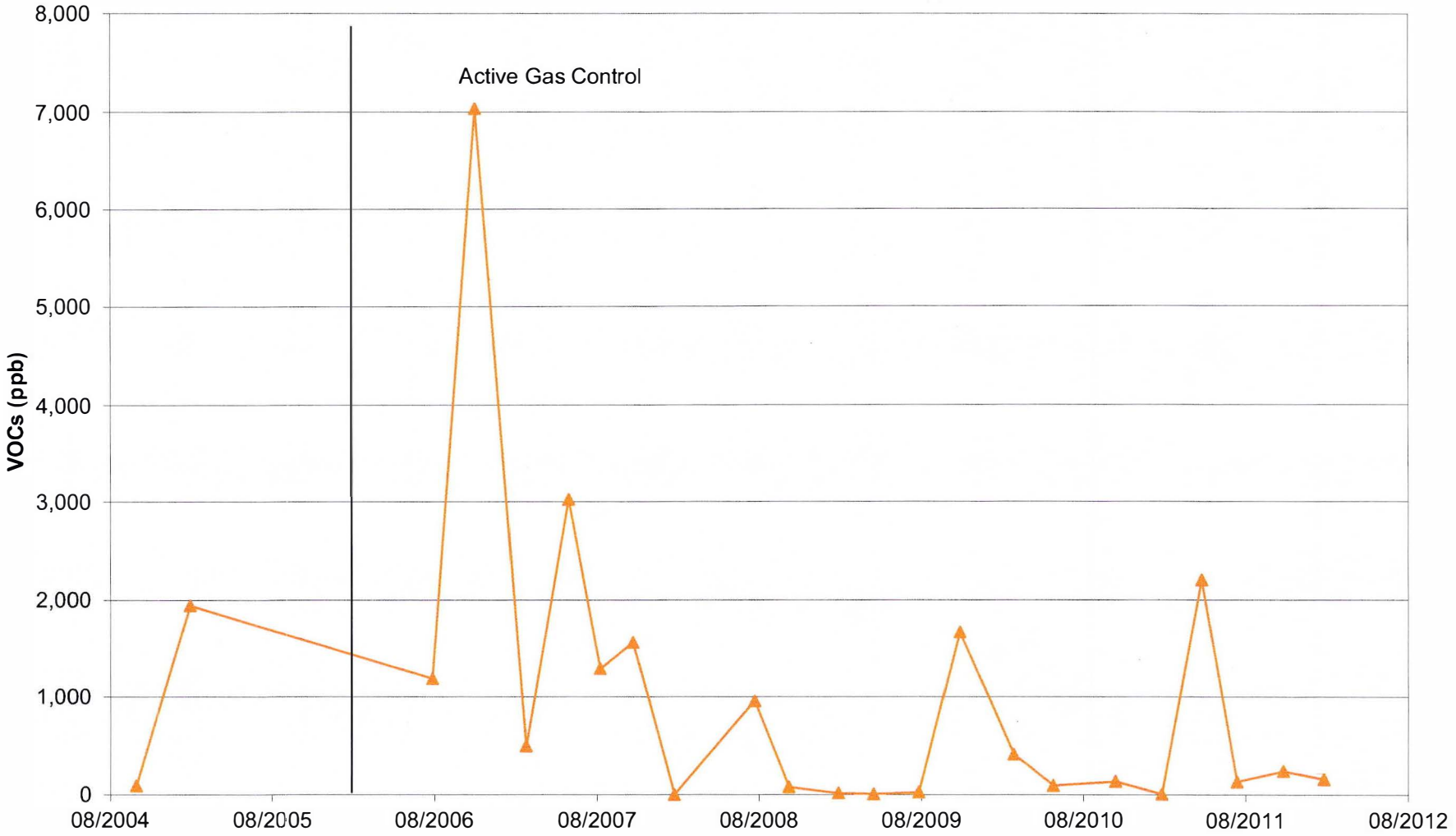


Chart 32: LC-2
Total Gas VOCs

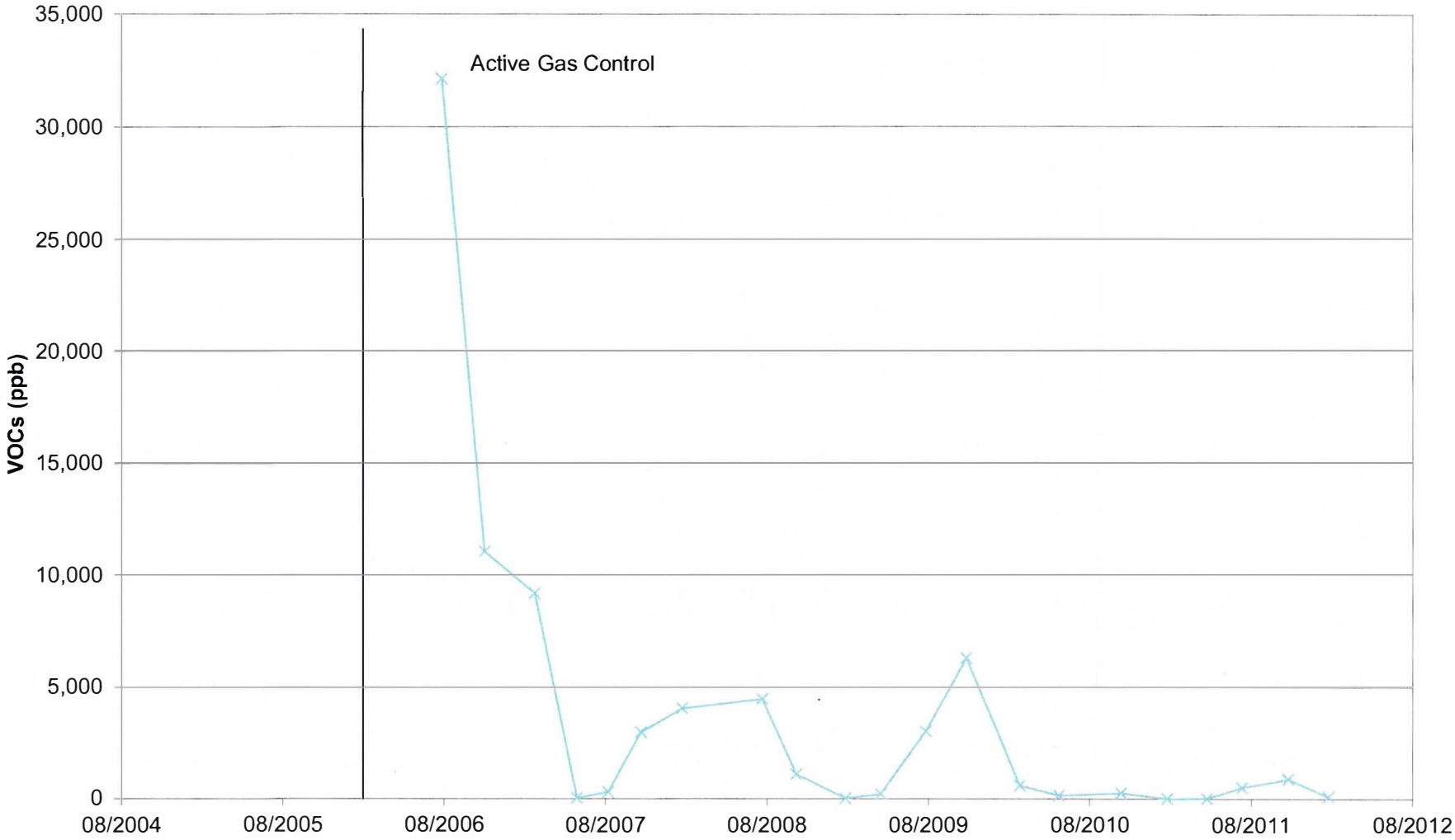


Chart 33: LC-3
Total Gas VOCs

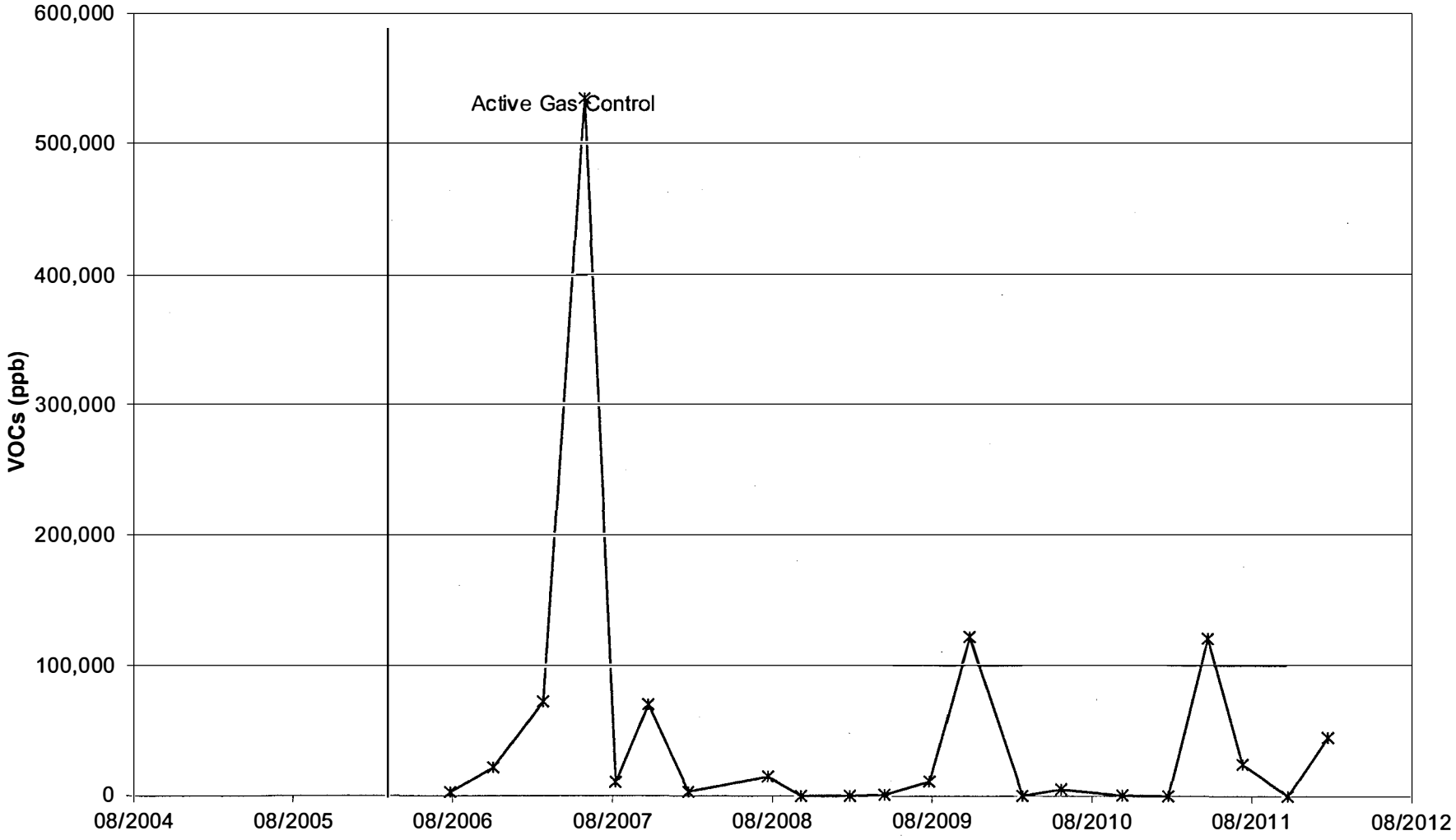


Chart 34: GV-6
Total Gas VOCs

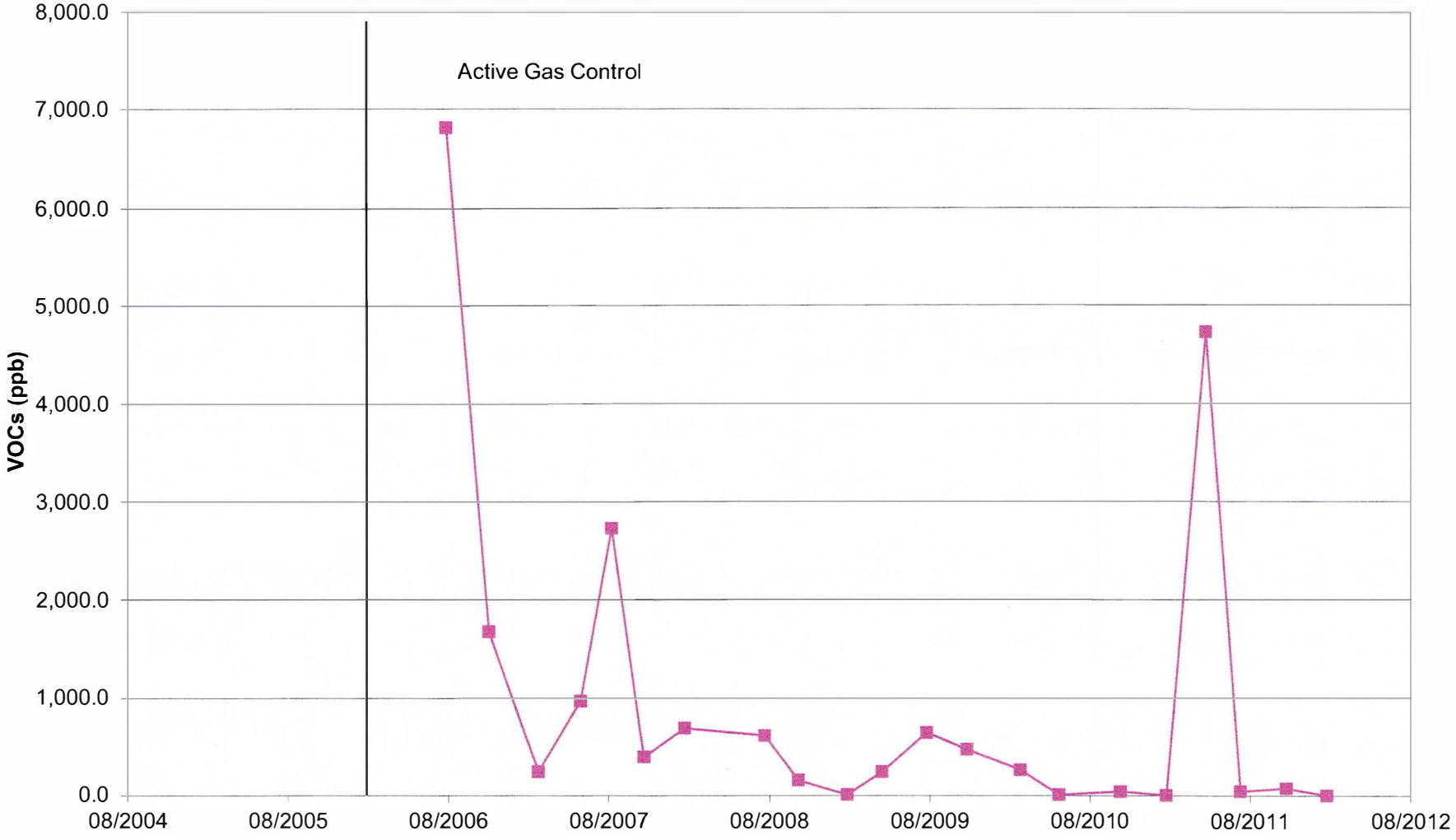


Chart 35: GP-3
Total Gas VOCs

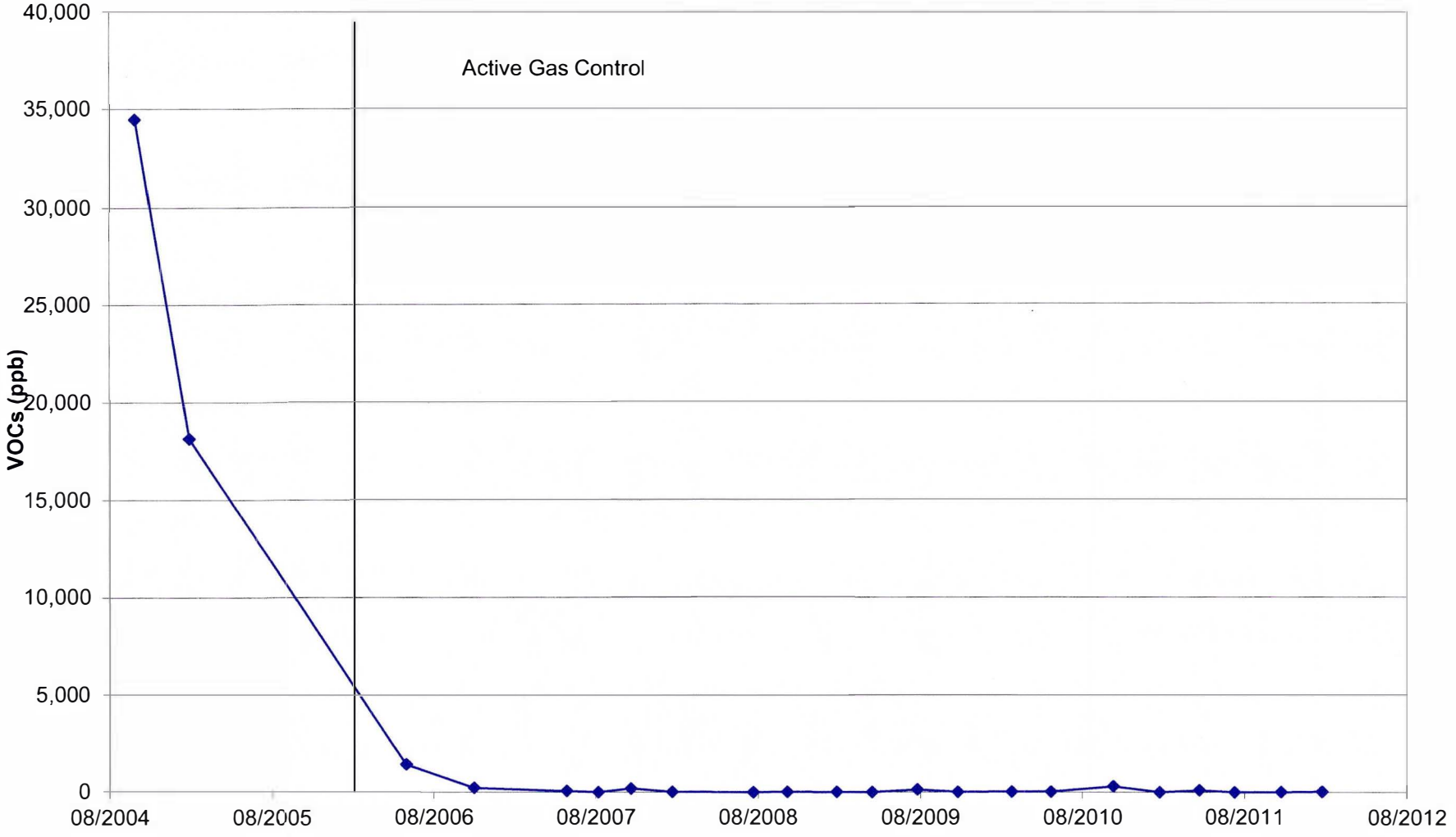
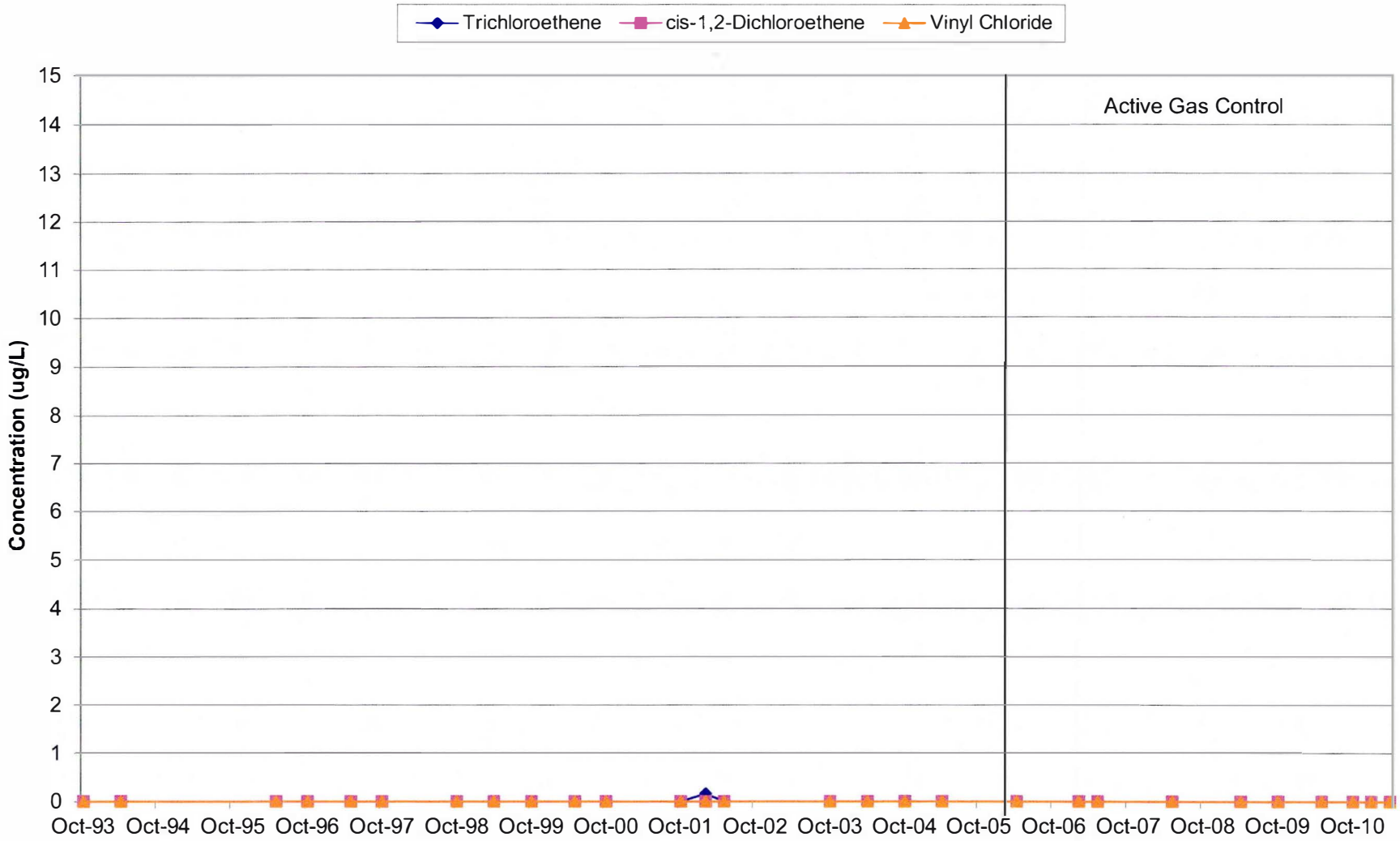


Chart 36: MW-101
Layer 1 Well

Upgradient



Side gradient

Chart 37: MW-102
Layer 1 Well

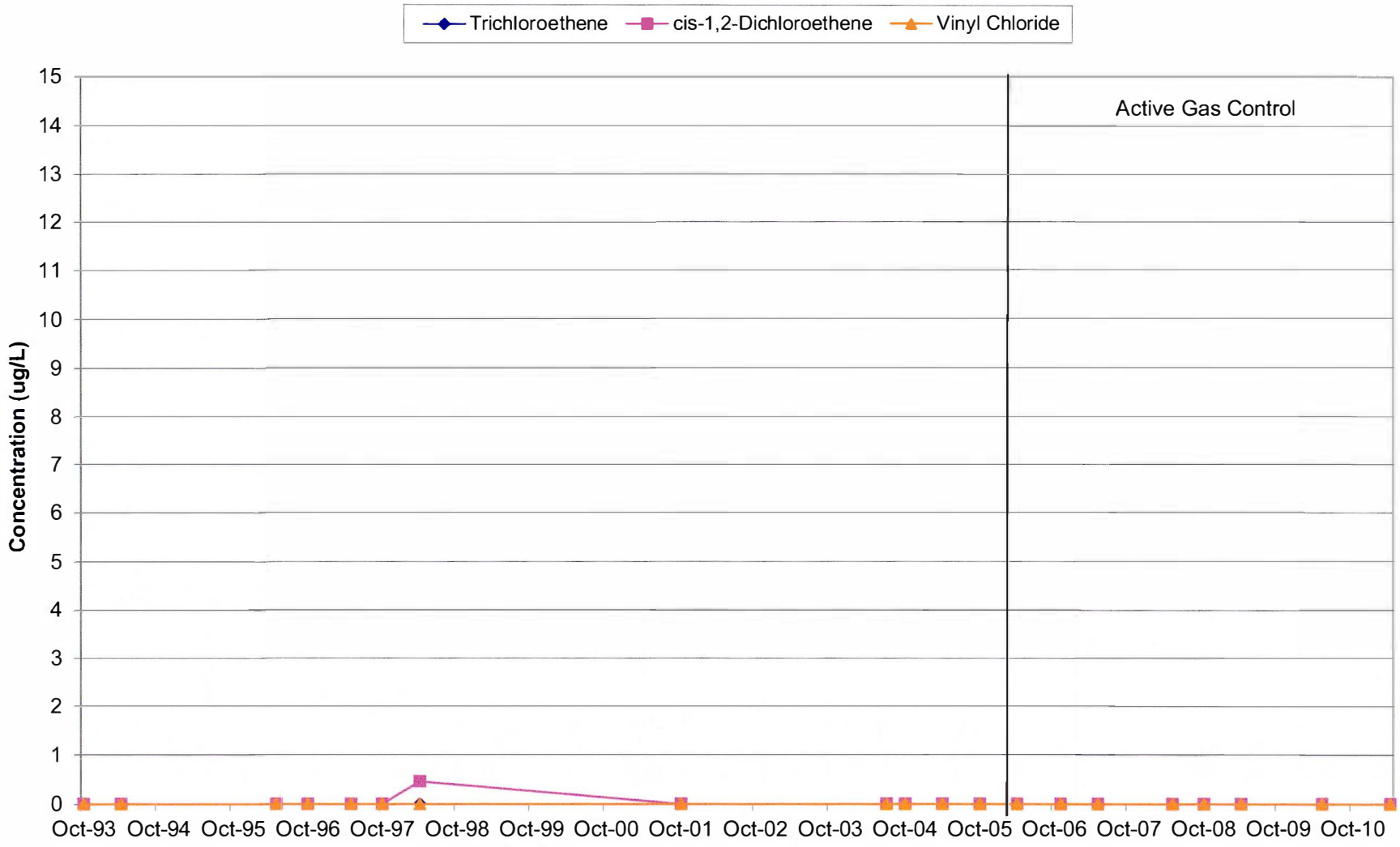


Chart 38: MW-103
Layer 1 Well

10' Down gradient

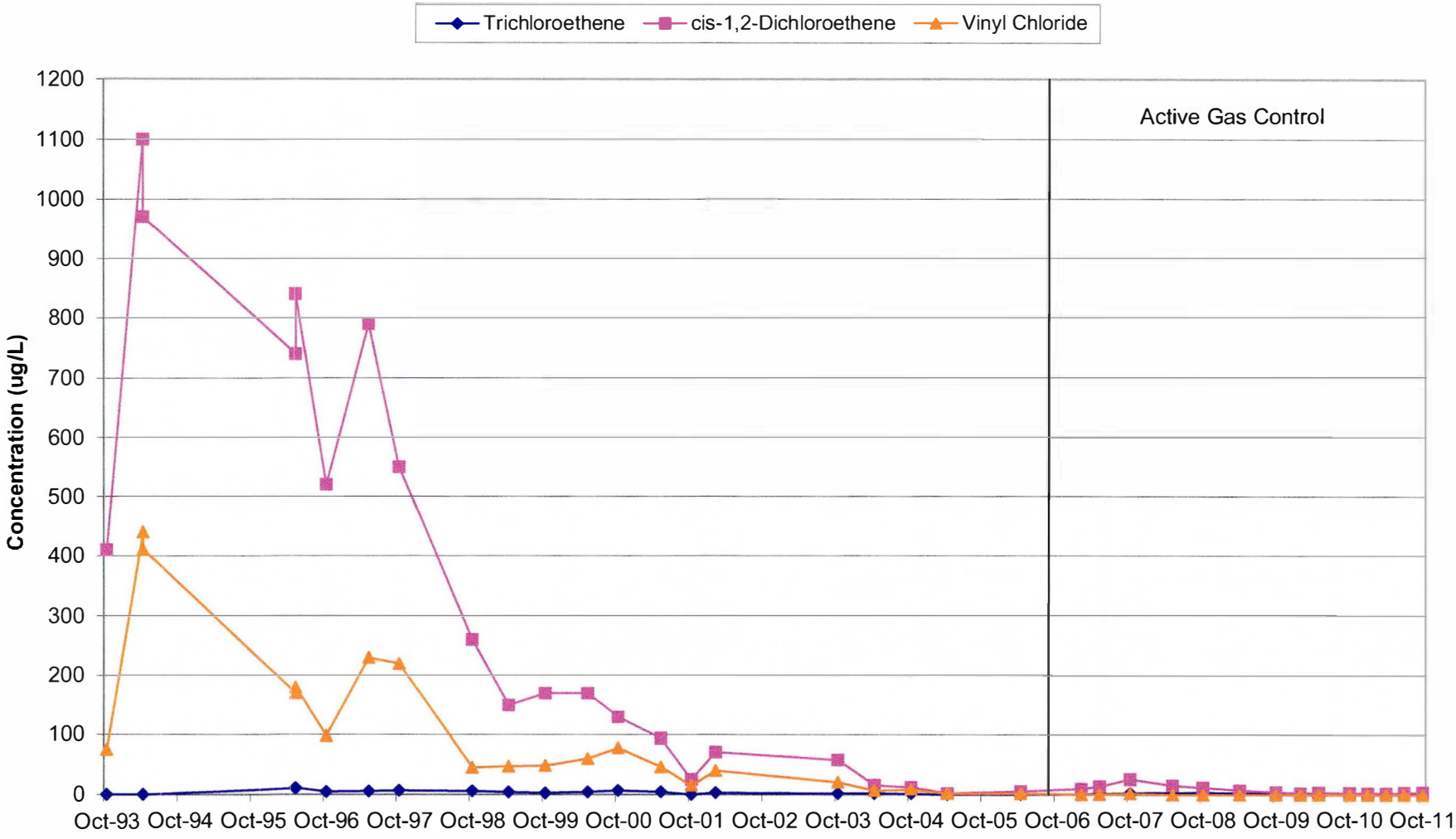


Chart 39: MW-104
Layer 1 Well

Side gradient

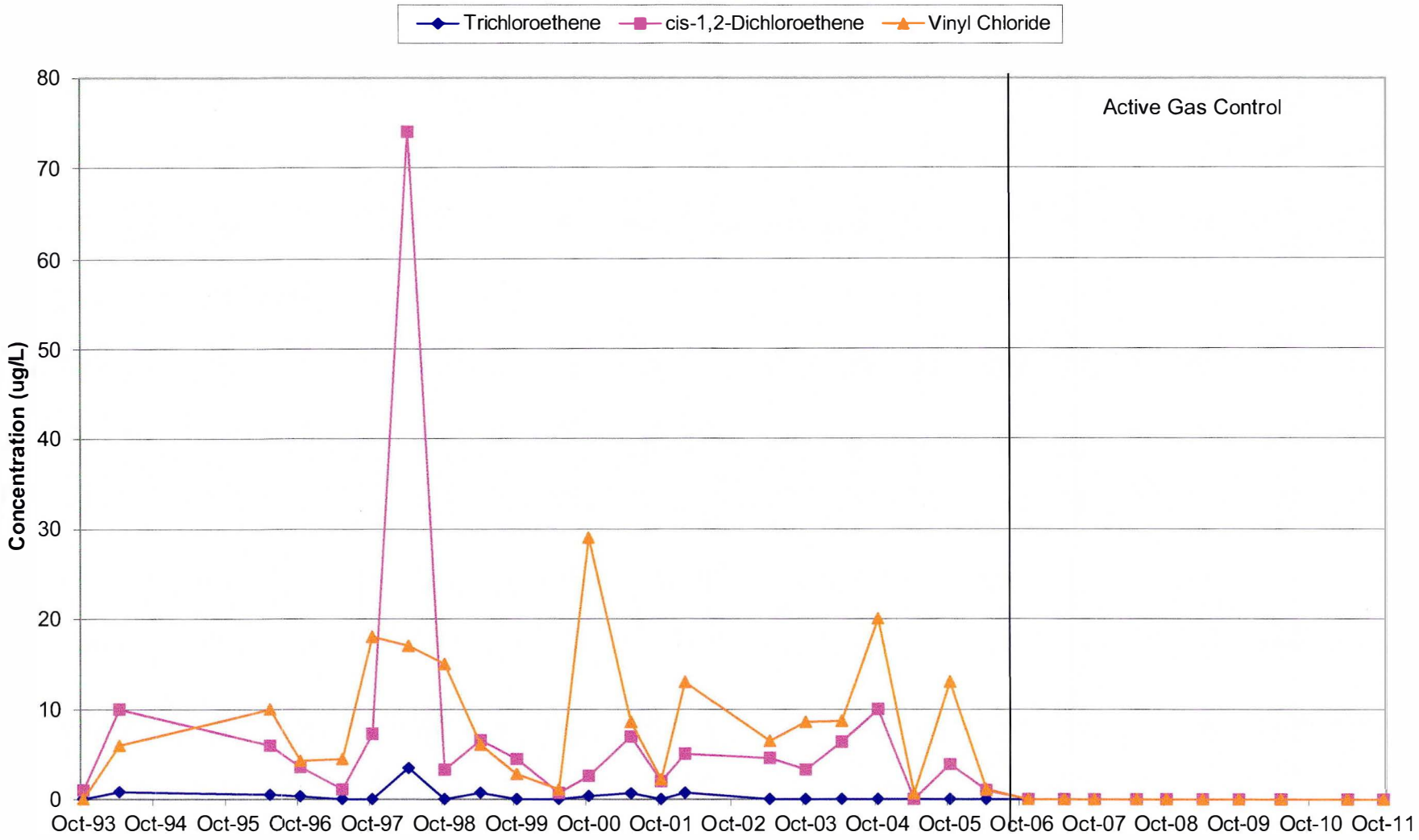


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Chart 40: MW-106
Layer 1 Well

Side gradient

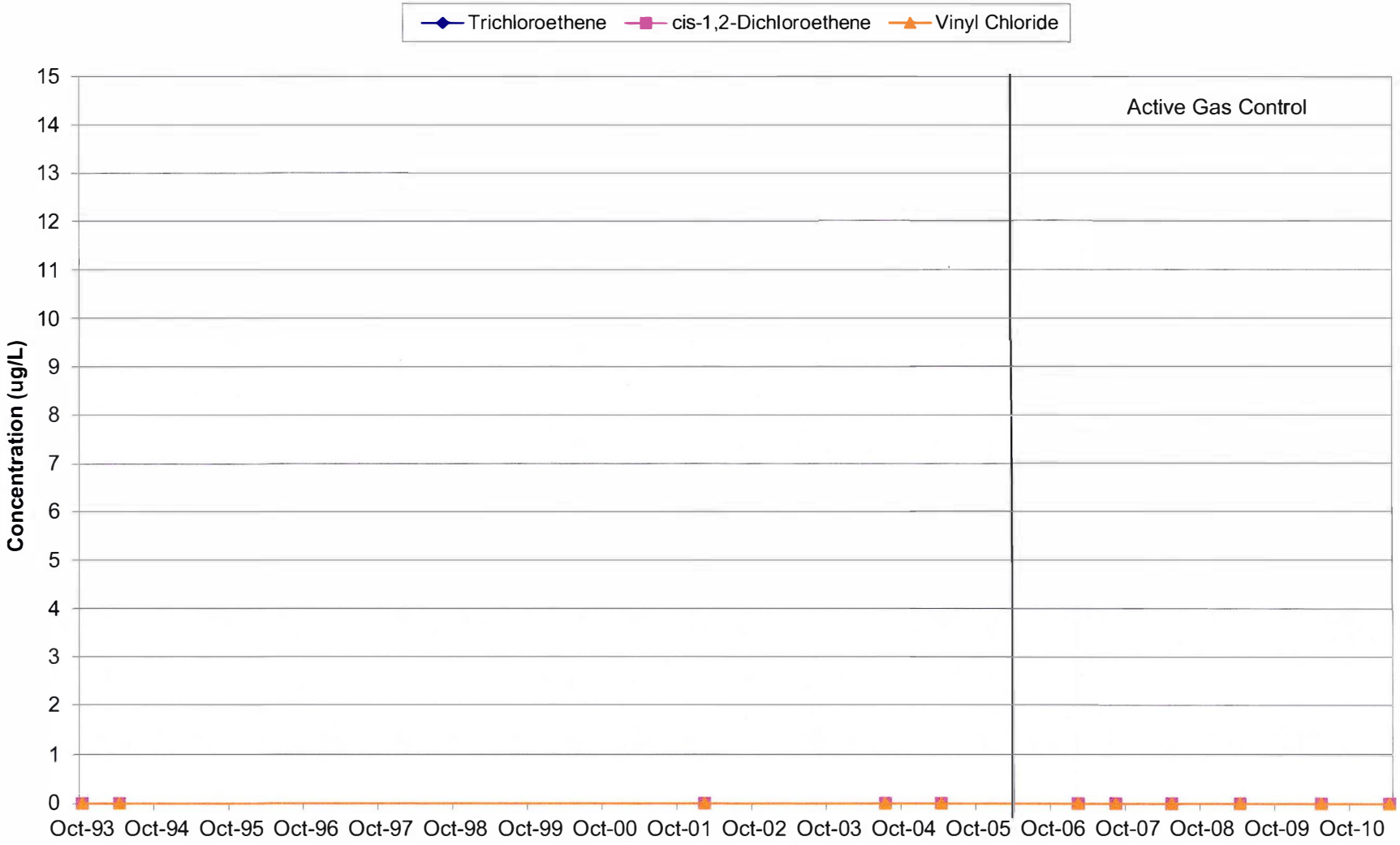

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Chart 41: MW-107
Layer 1 Well

370' Down gradient

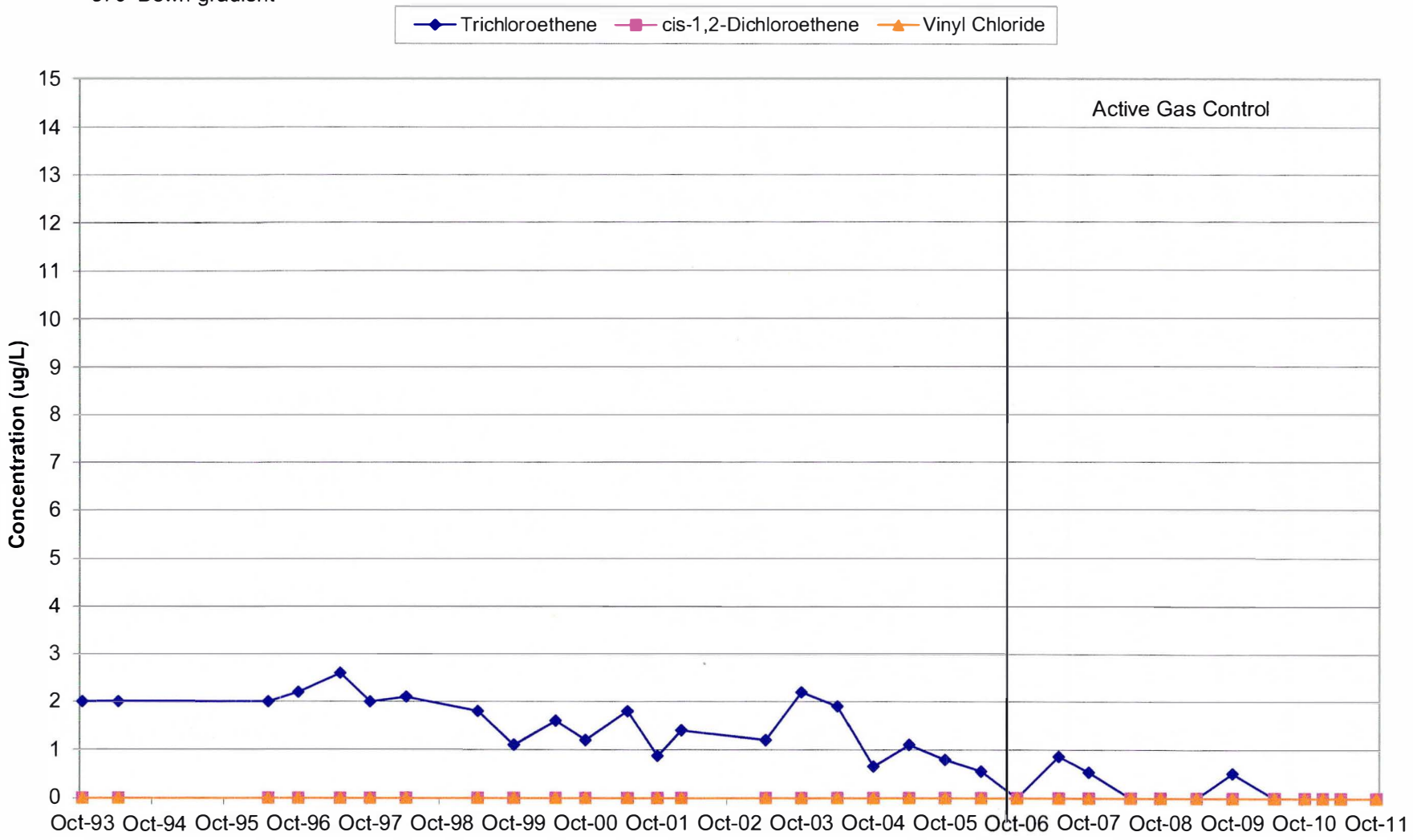

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Chart 42: MW-108
Layer 1 Well

Side gradient

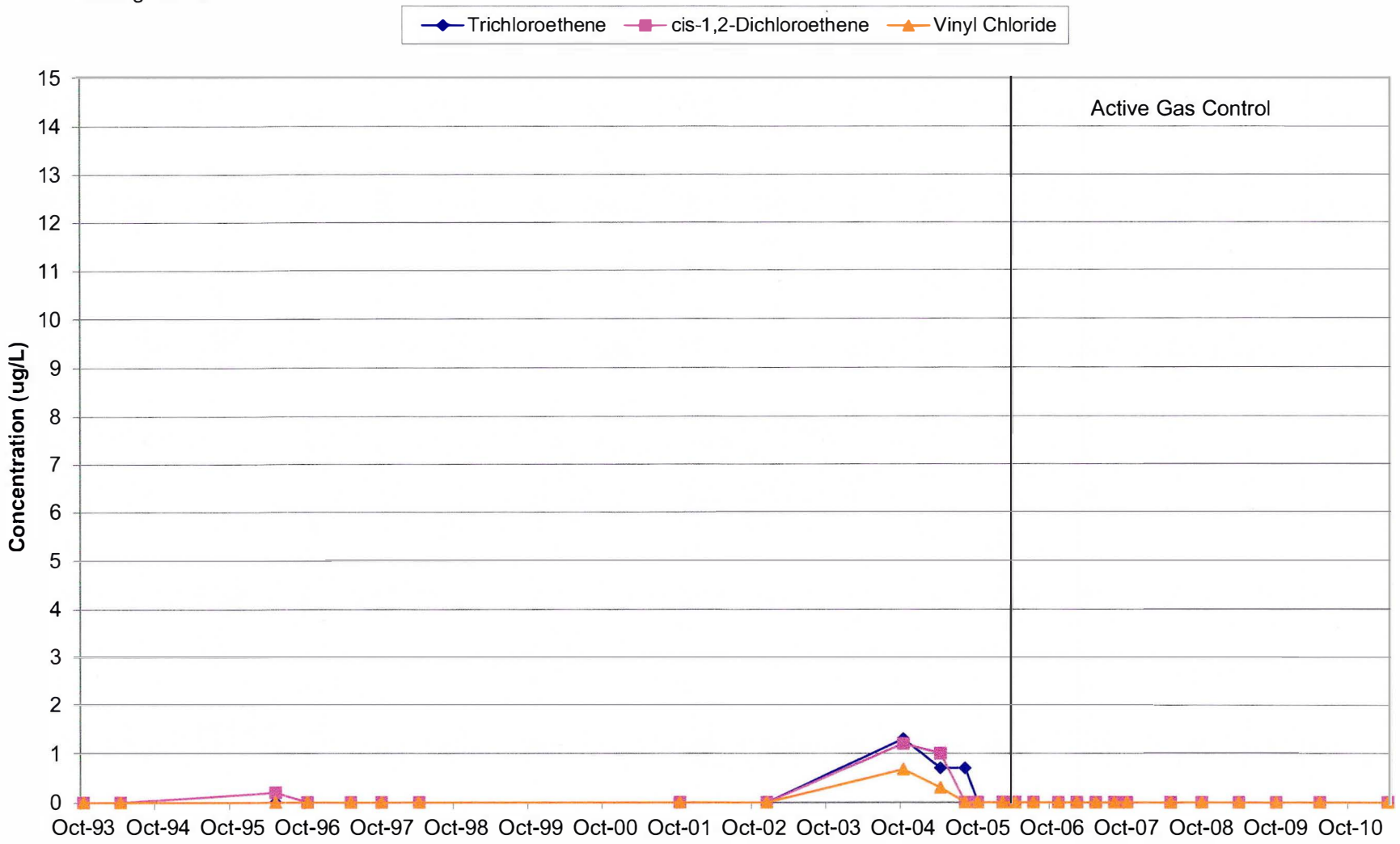

Chart 43: MW-111
Layer 1 Well

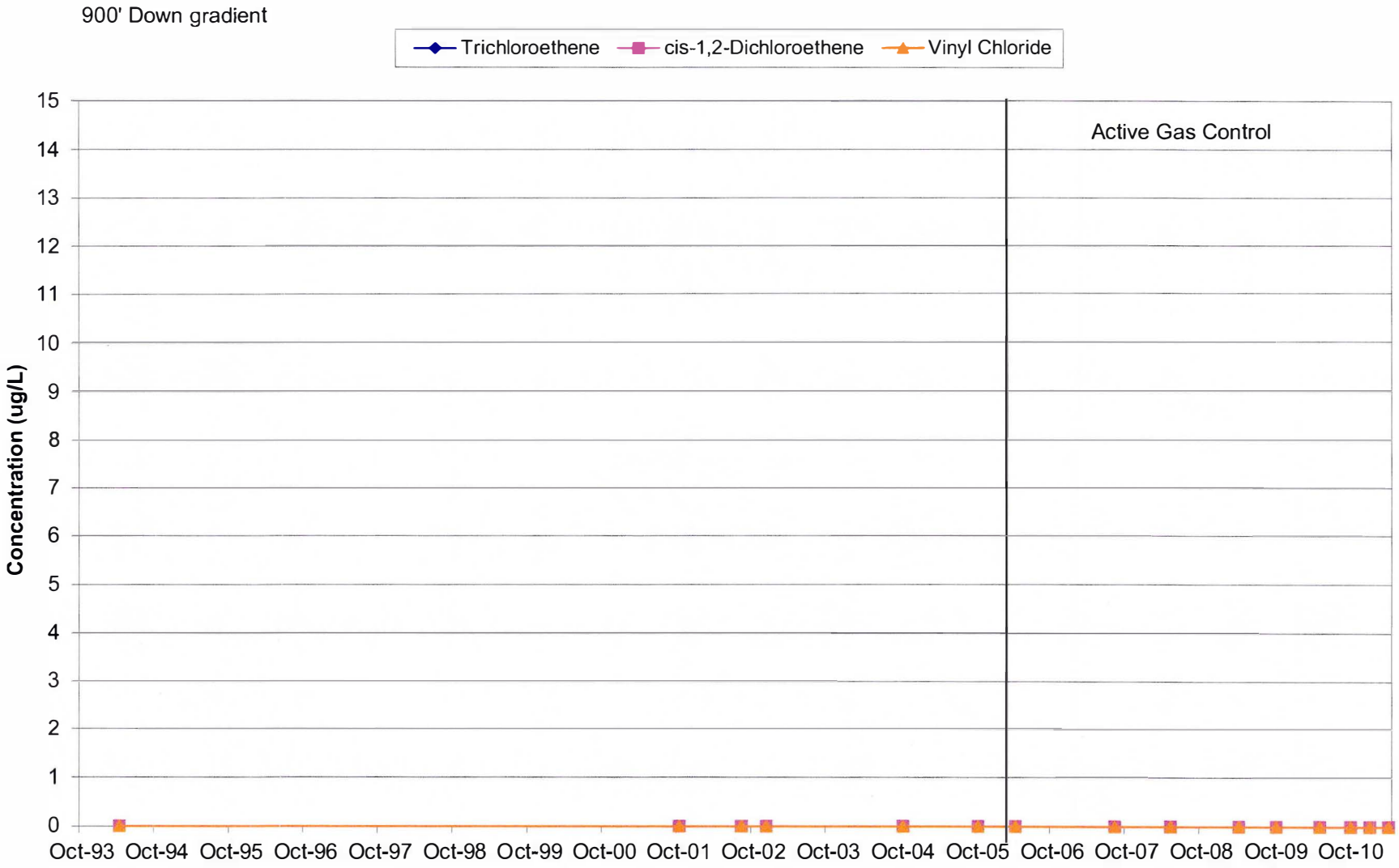

Chart 44: MW-112
Layer 1 Well

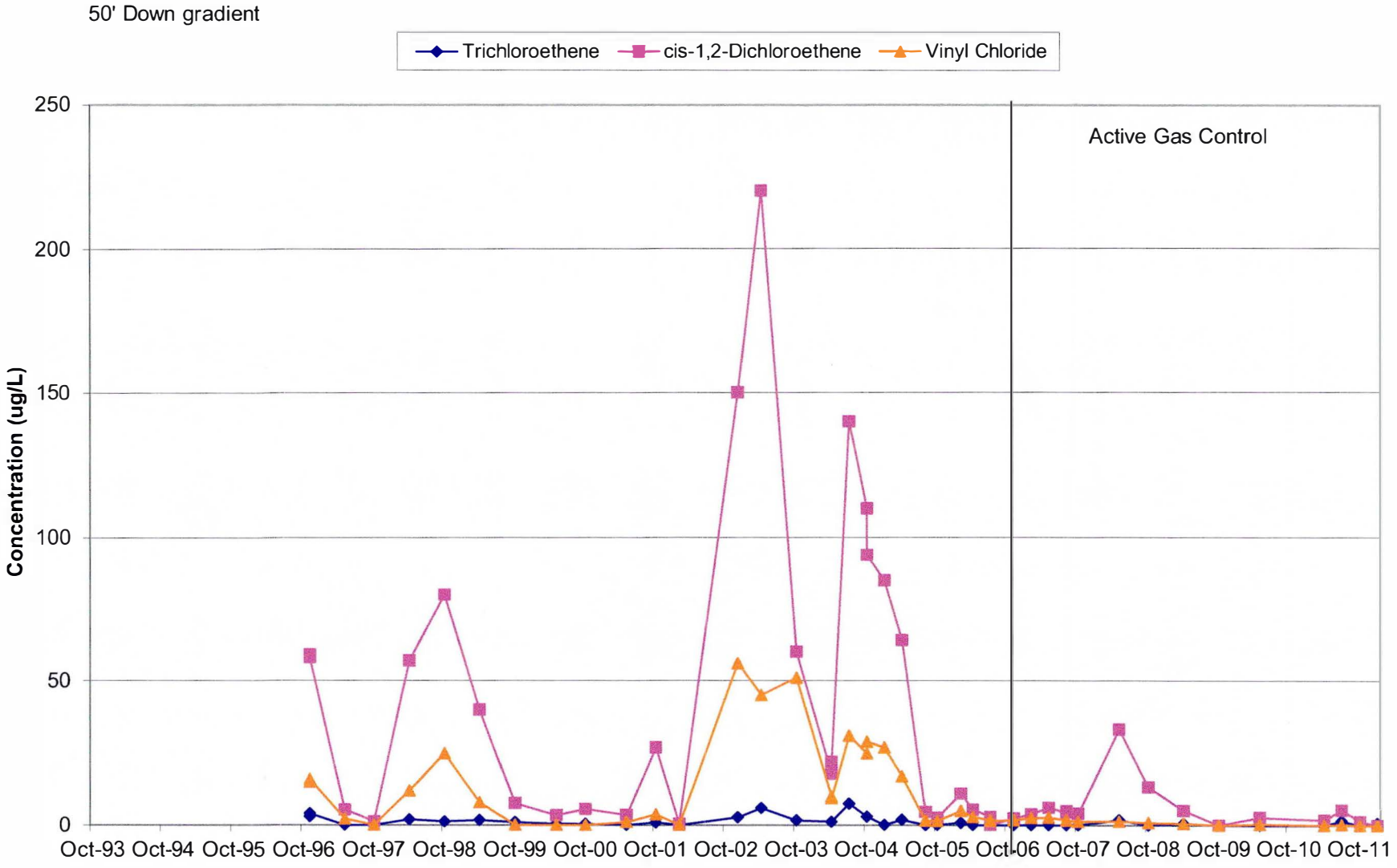

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Chart 45: P-101
Layer 2 Well

Upgradient

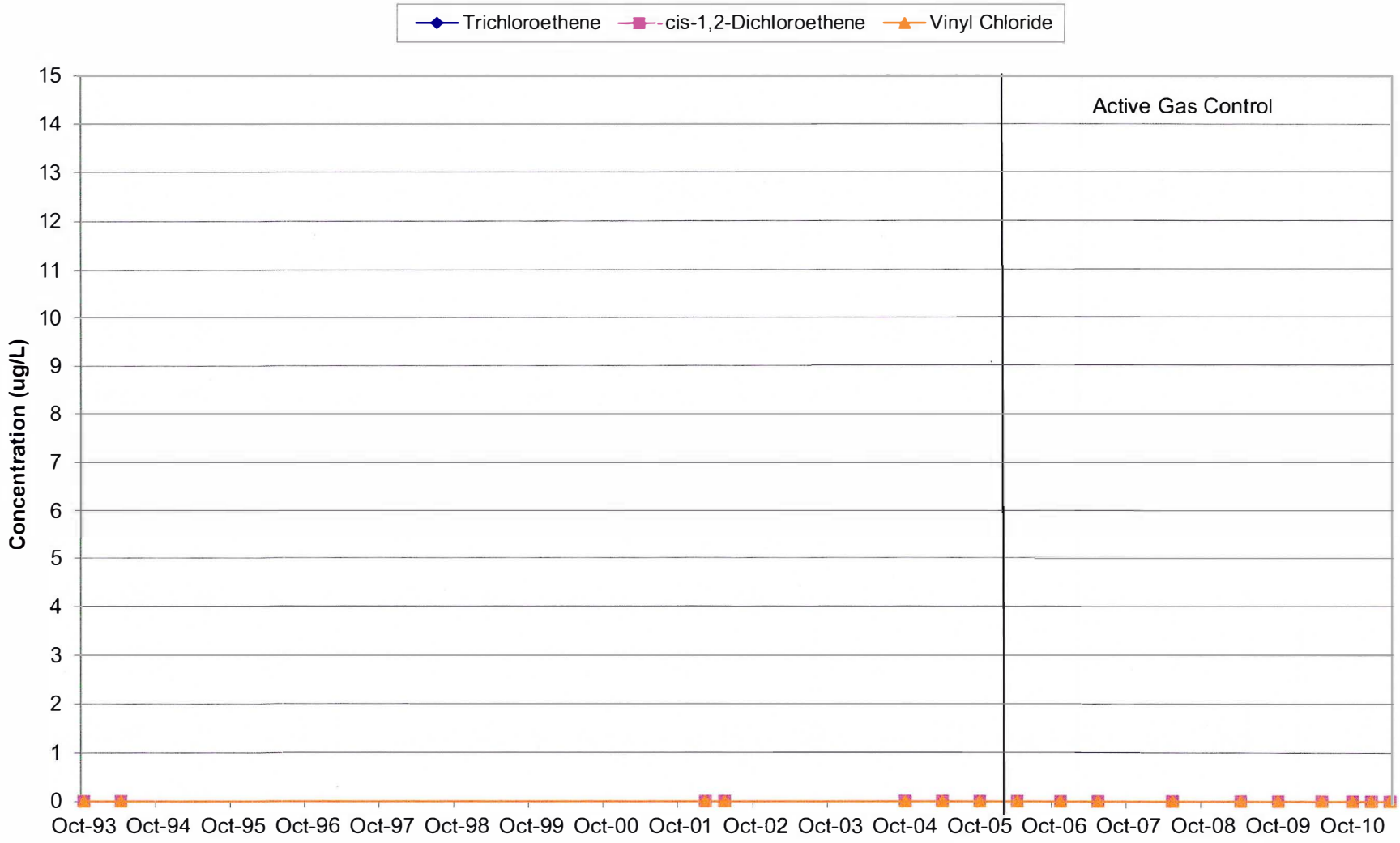

Chart 46: P-102
Layer 2 Well

Side gradient

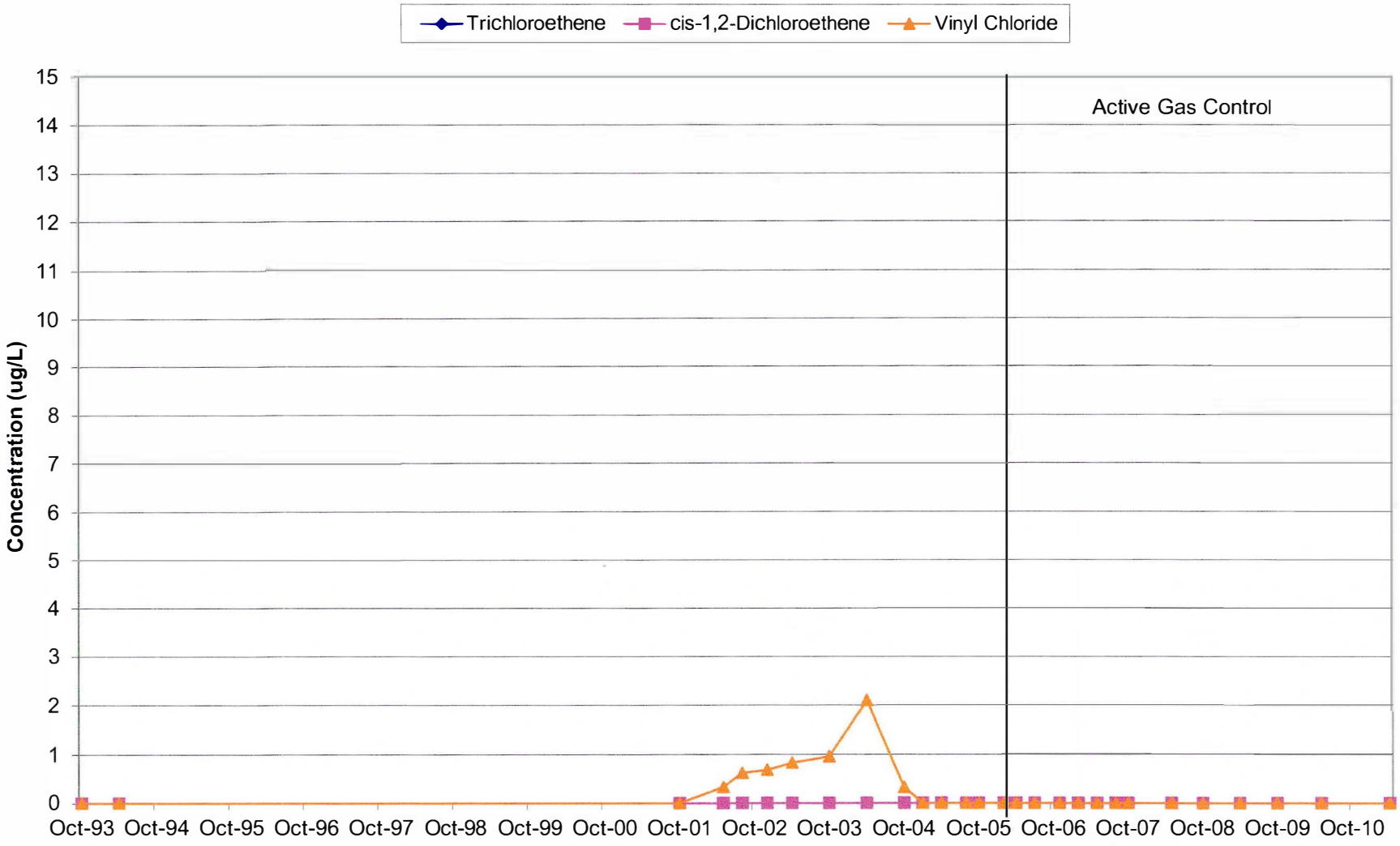

Chart 47: P-103
Layer 2 Well

10' Down gradient

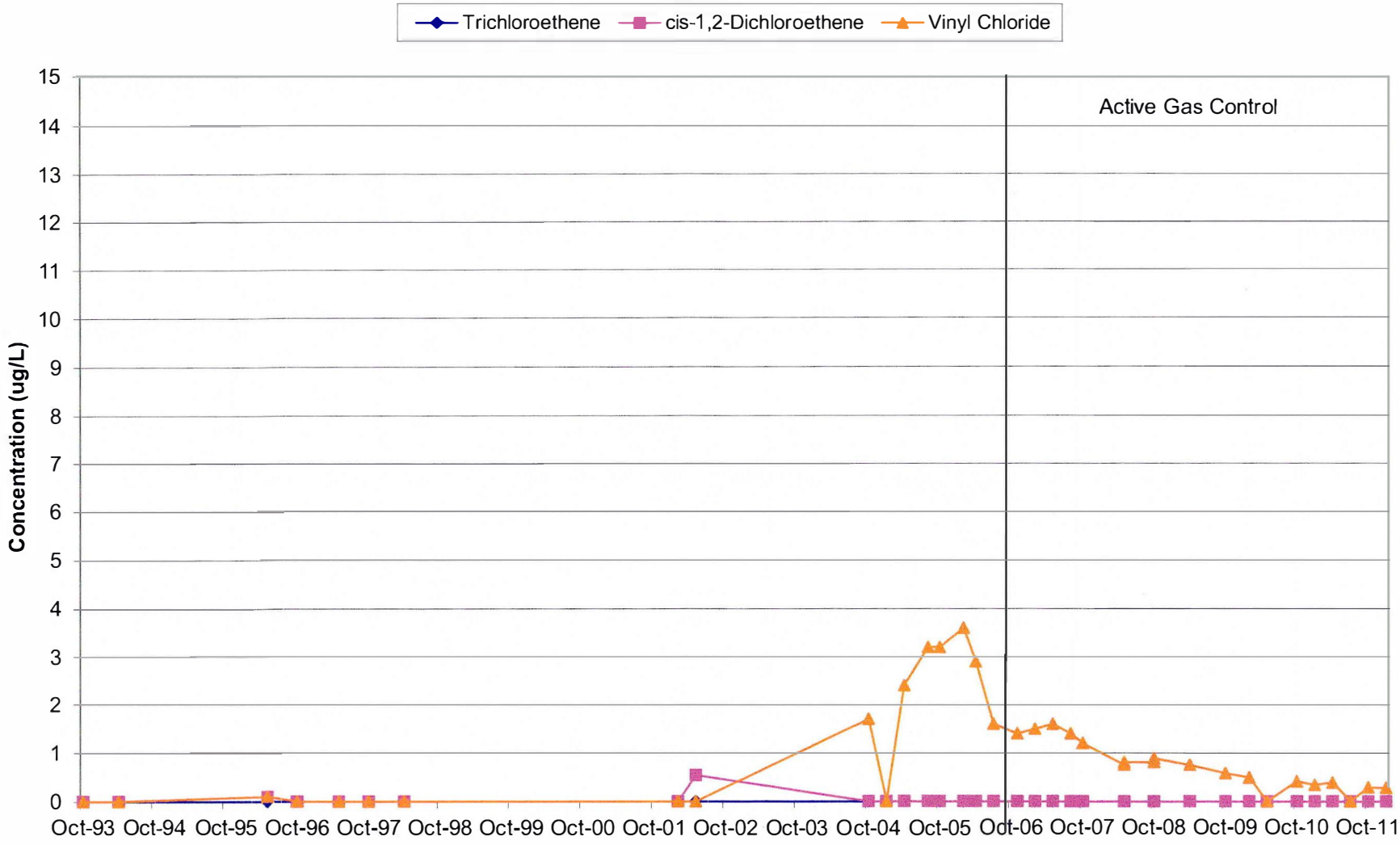

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Chart 48: P-104
Layer 2 Well

Side gradient

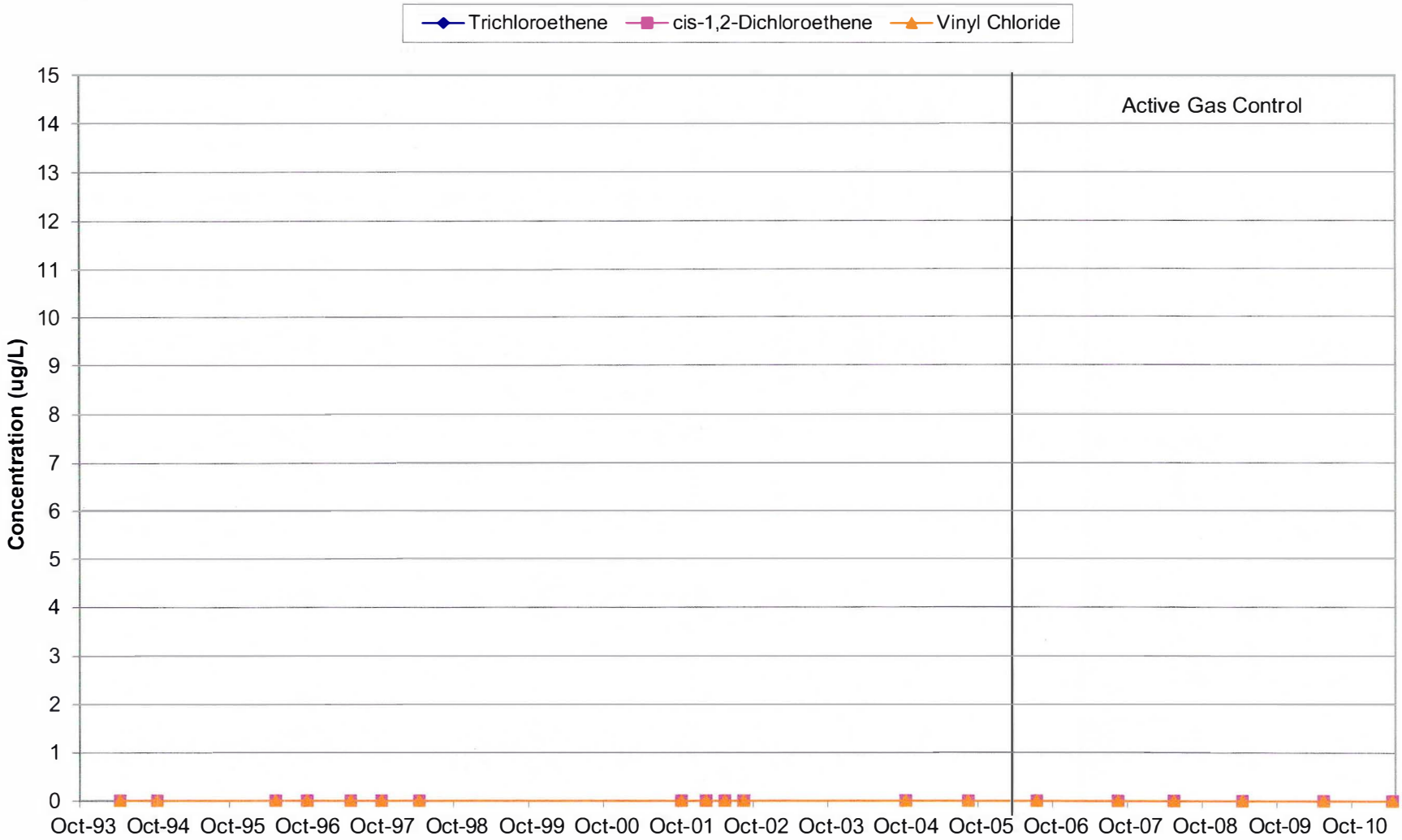

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Chart 49: P-106
Layer 2 Well

Side gradient

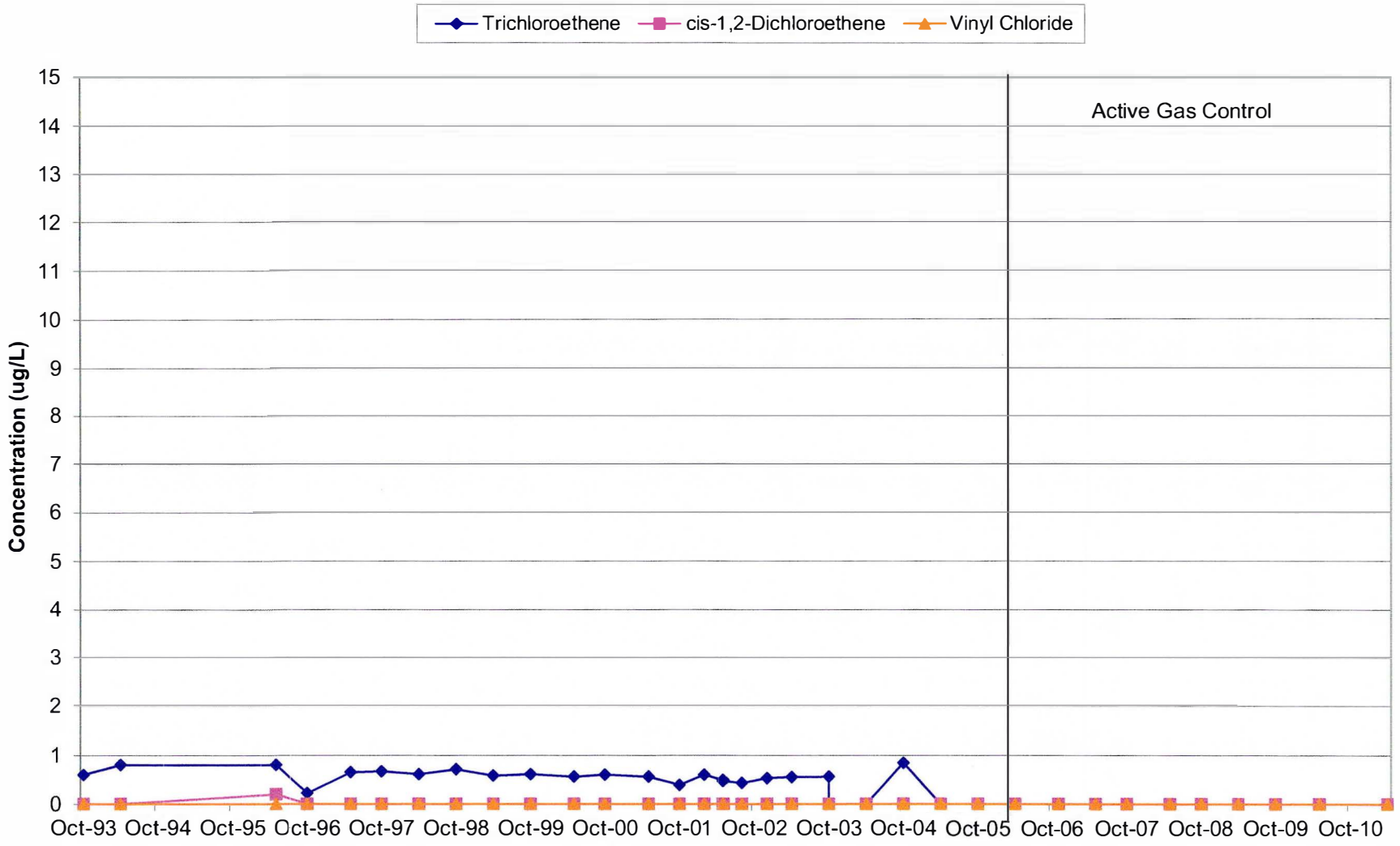

Chart 50: P-107
Layer 2 Well

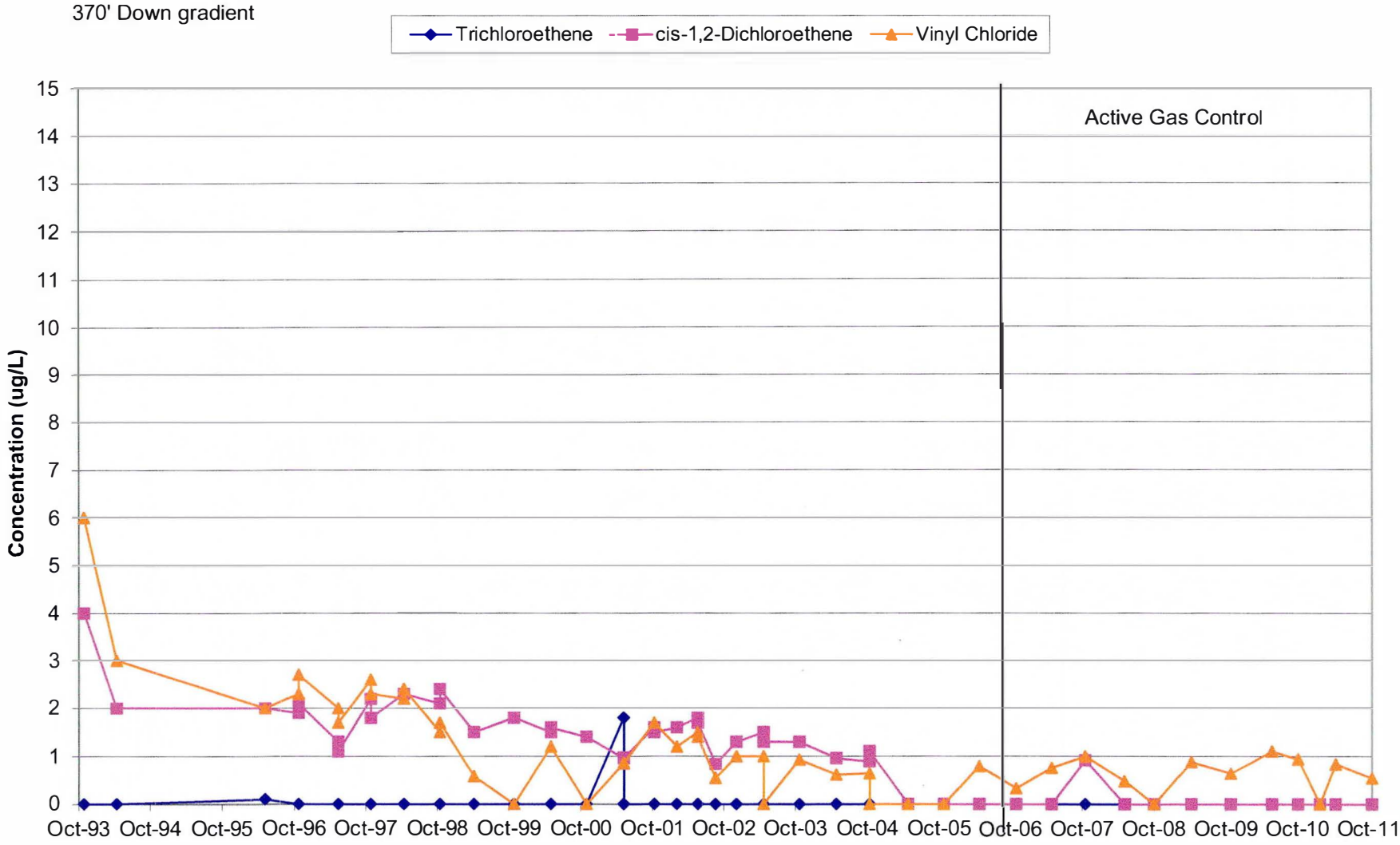

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Chart 51: P-108
Layer 2 Well

Side gradient

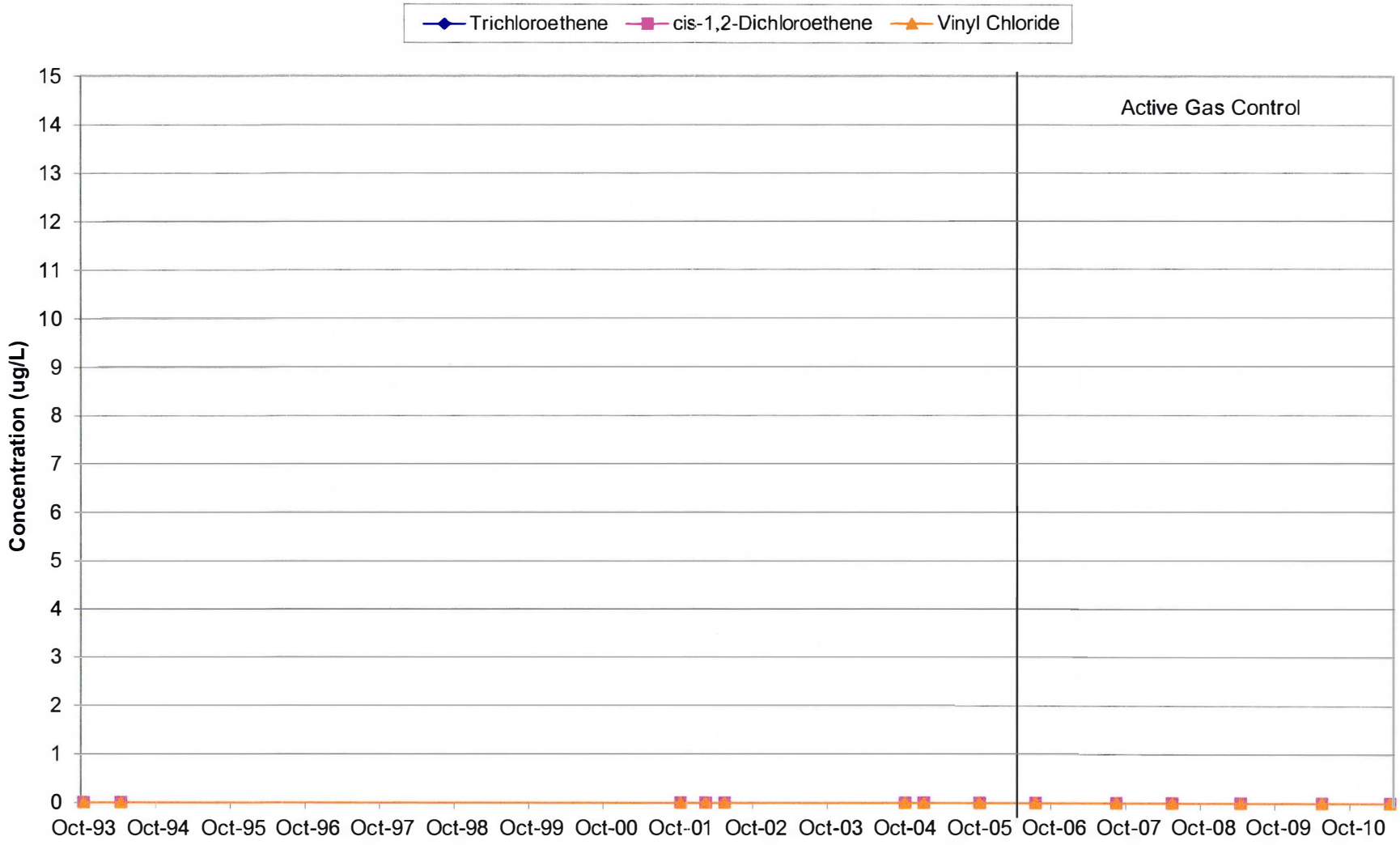

Chart 52: P-111
Layer 2 Well

900' Down gradient

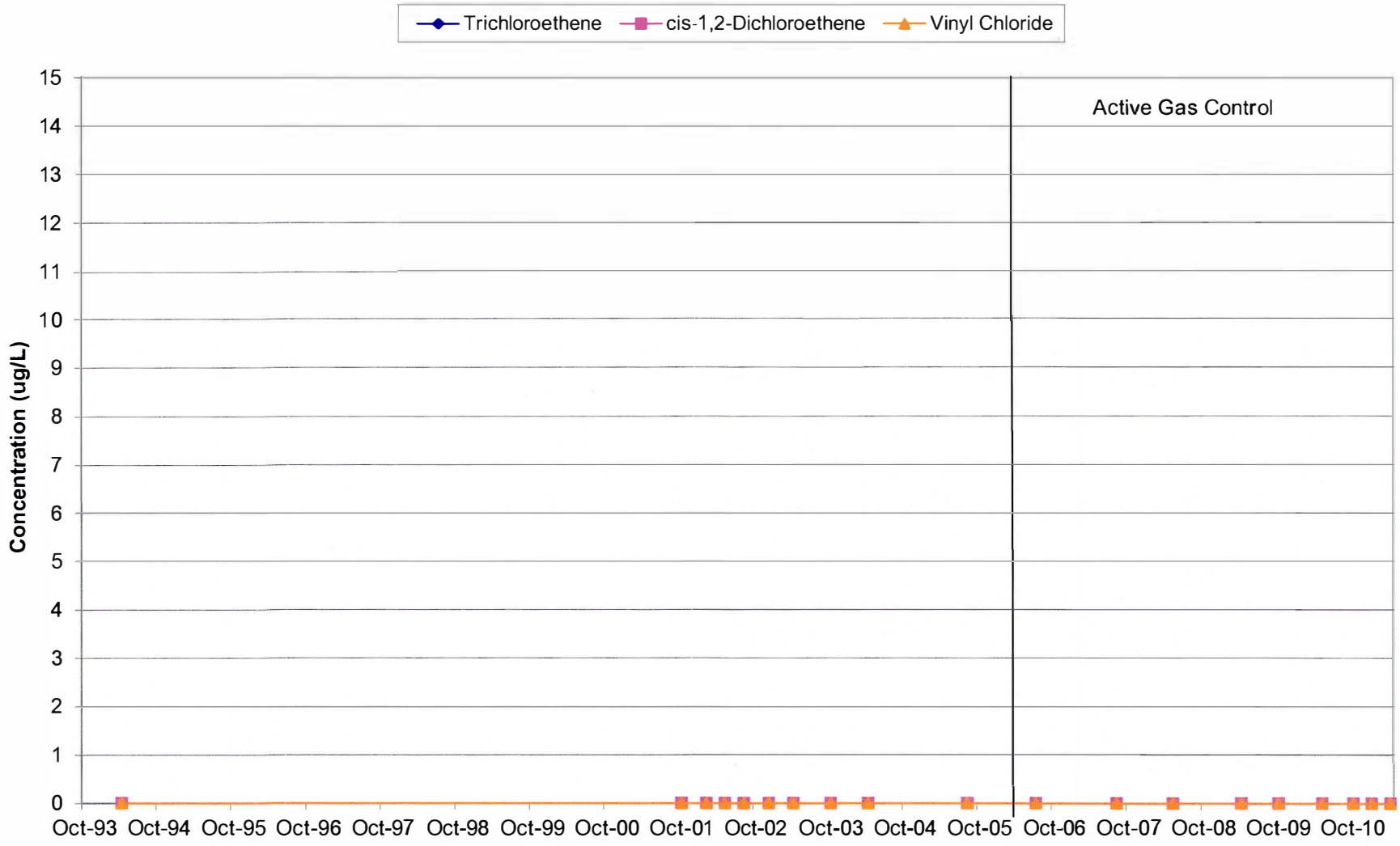

Chart 53: P-103D
Layer 3 Well

10' Down gradient

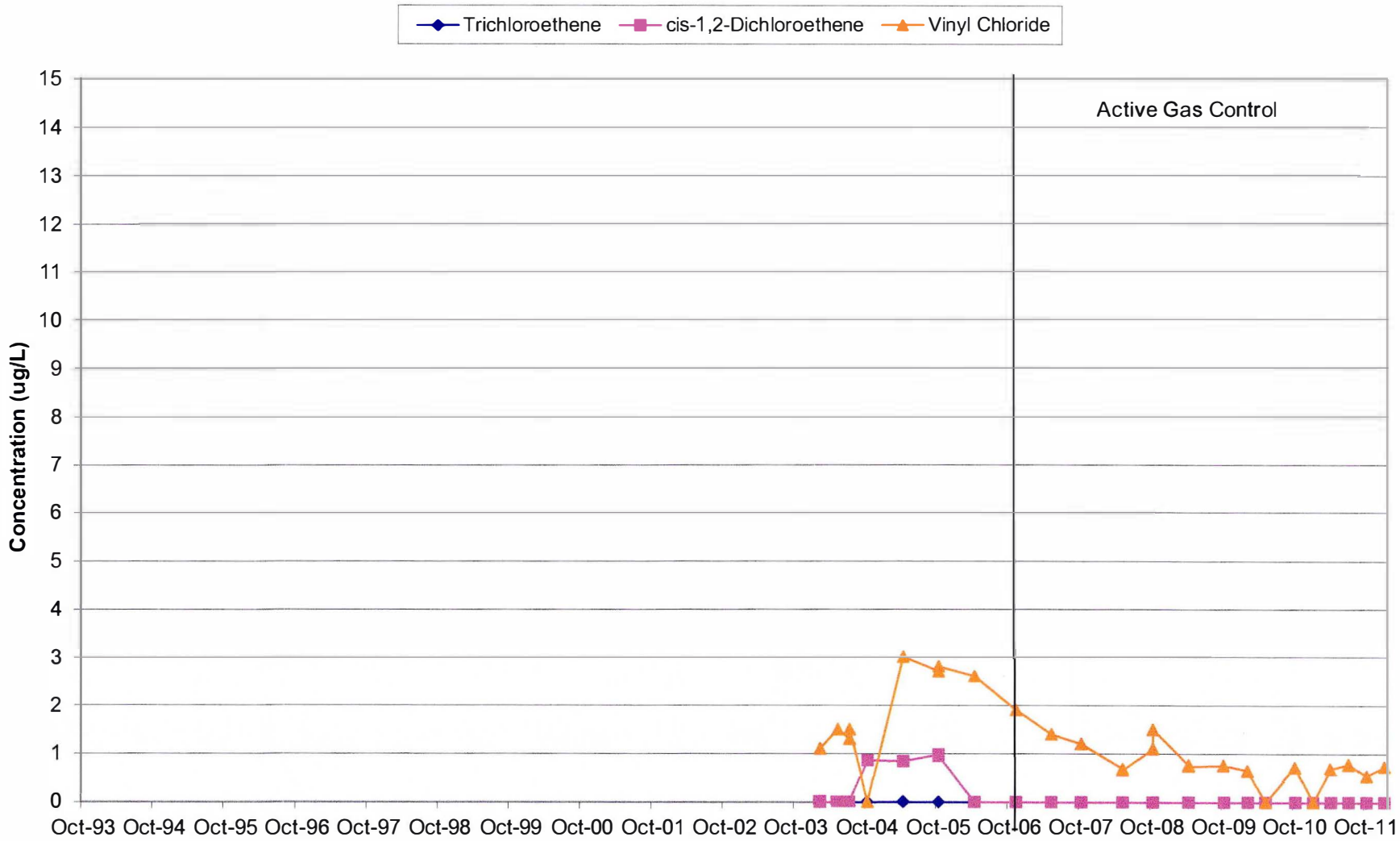

Chart 54: P-111D
Layer 3 Well

900' Down gradient

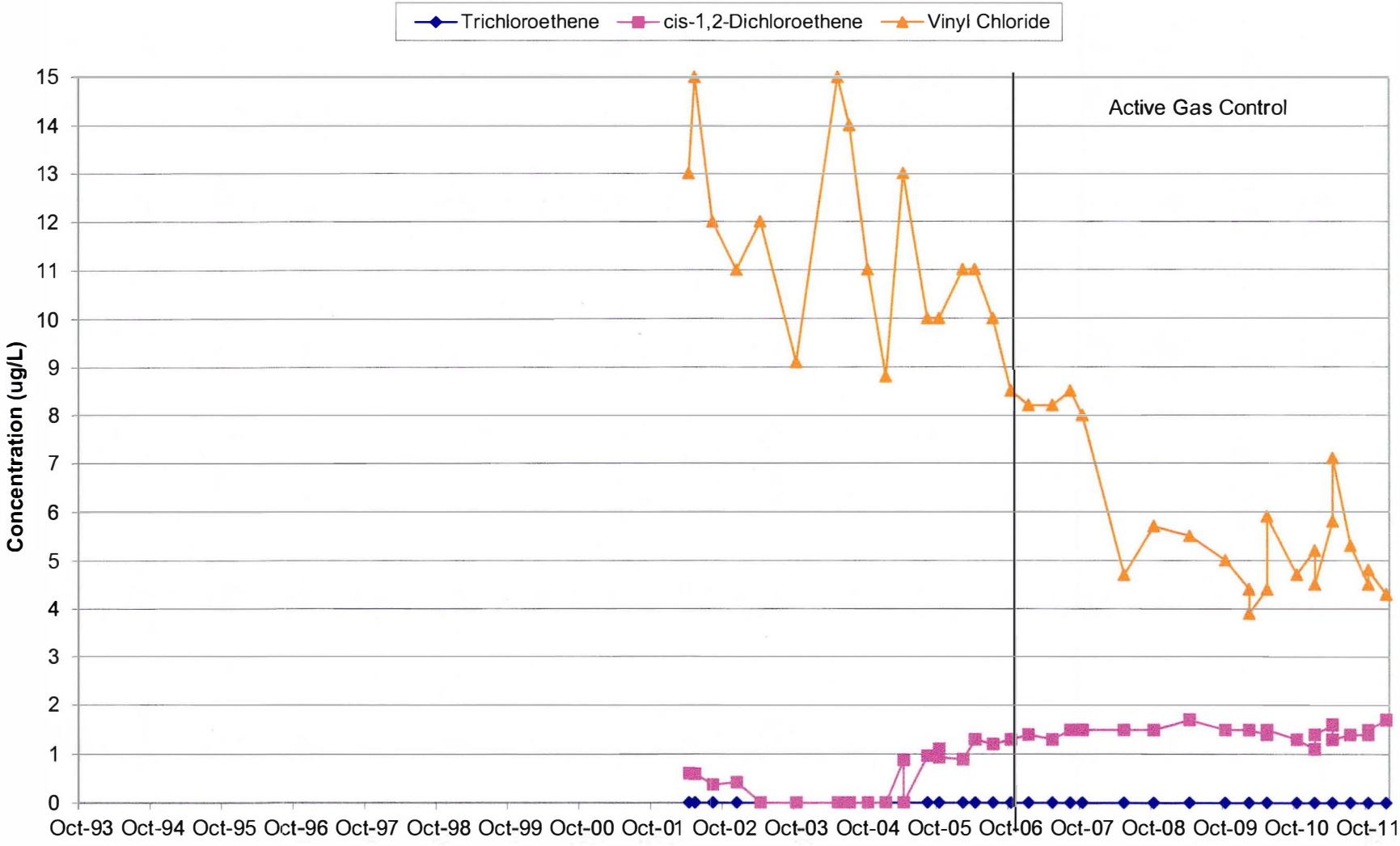

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Chart 55: MW-3B
Layer 3 Well

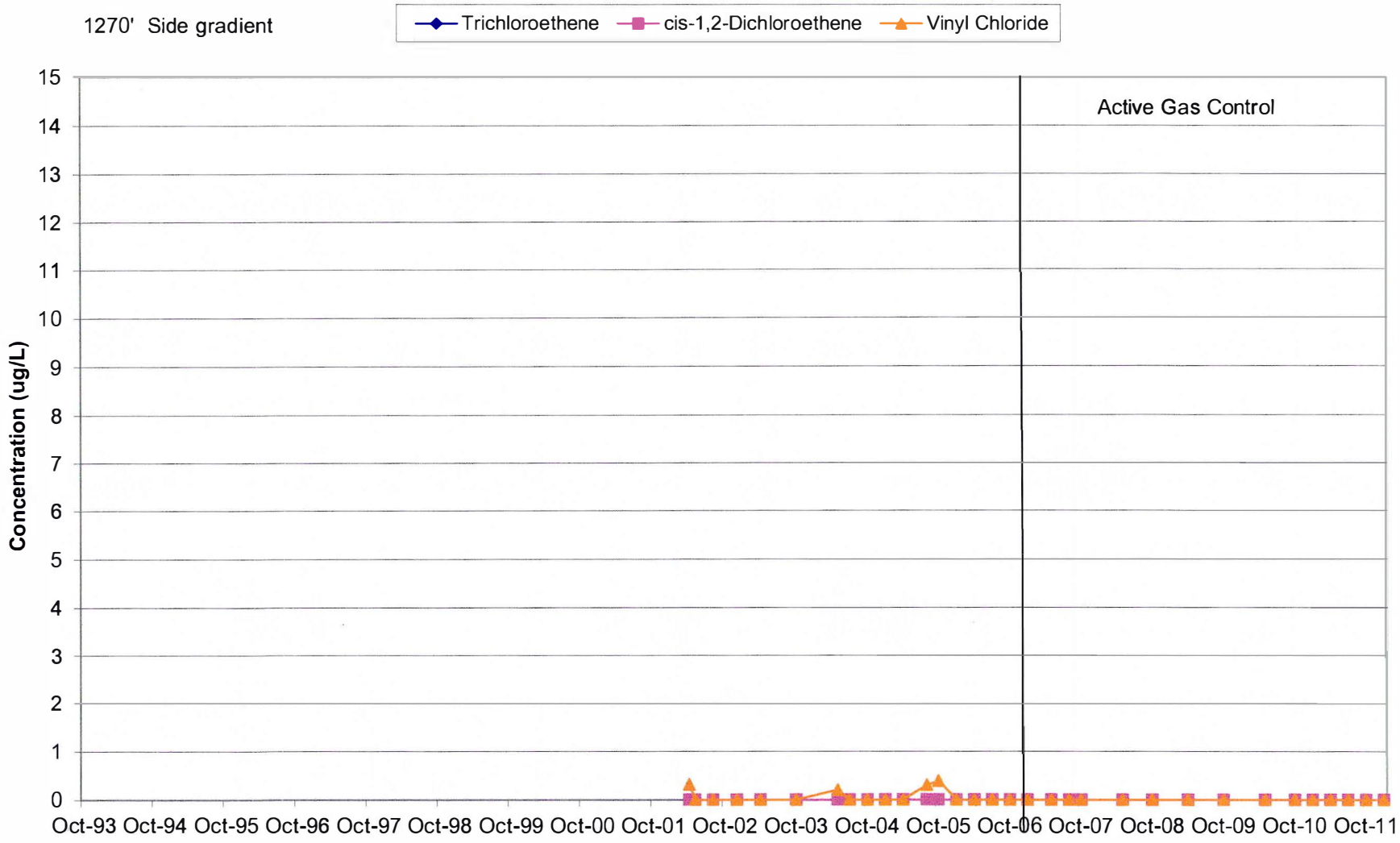

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Chart 56: P-113B
Layer 3 Well

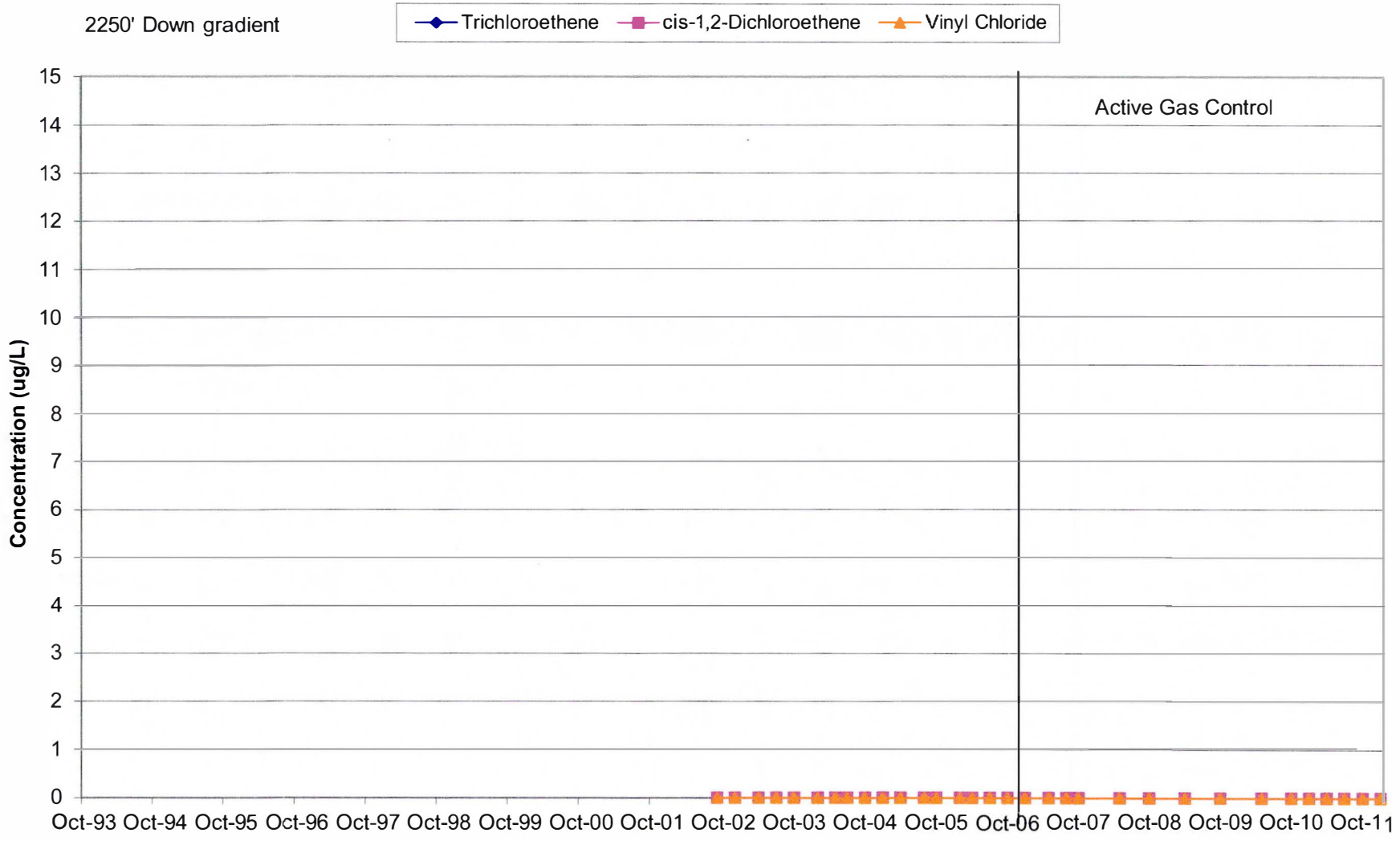

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Chart 57: P-114
Layer 3 Well

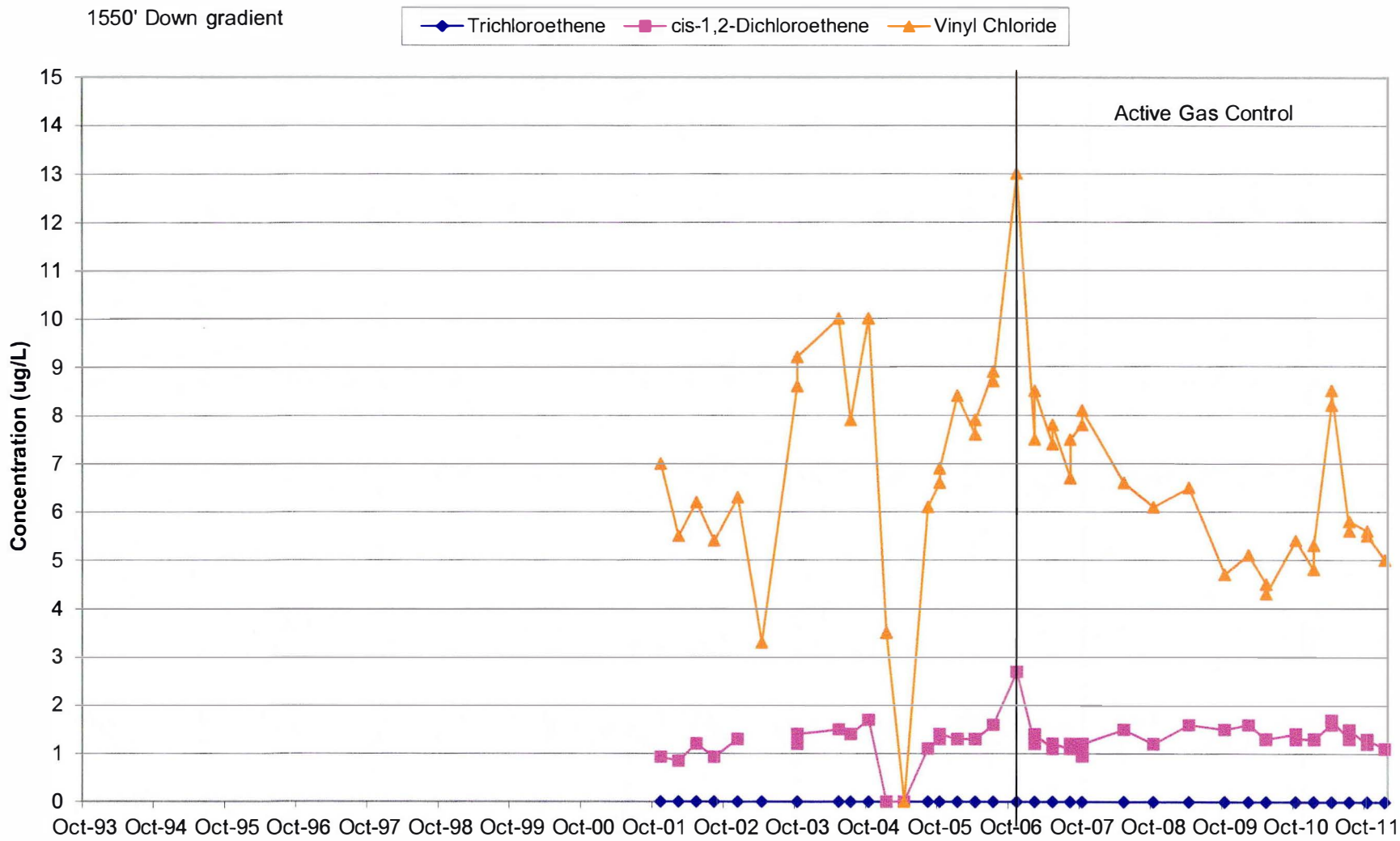

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Chart 58: P-115
Layer 3 Well

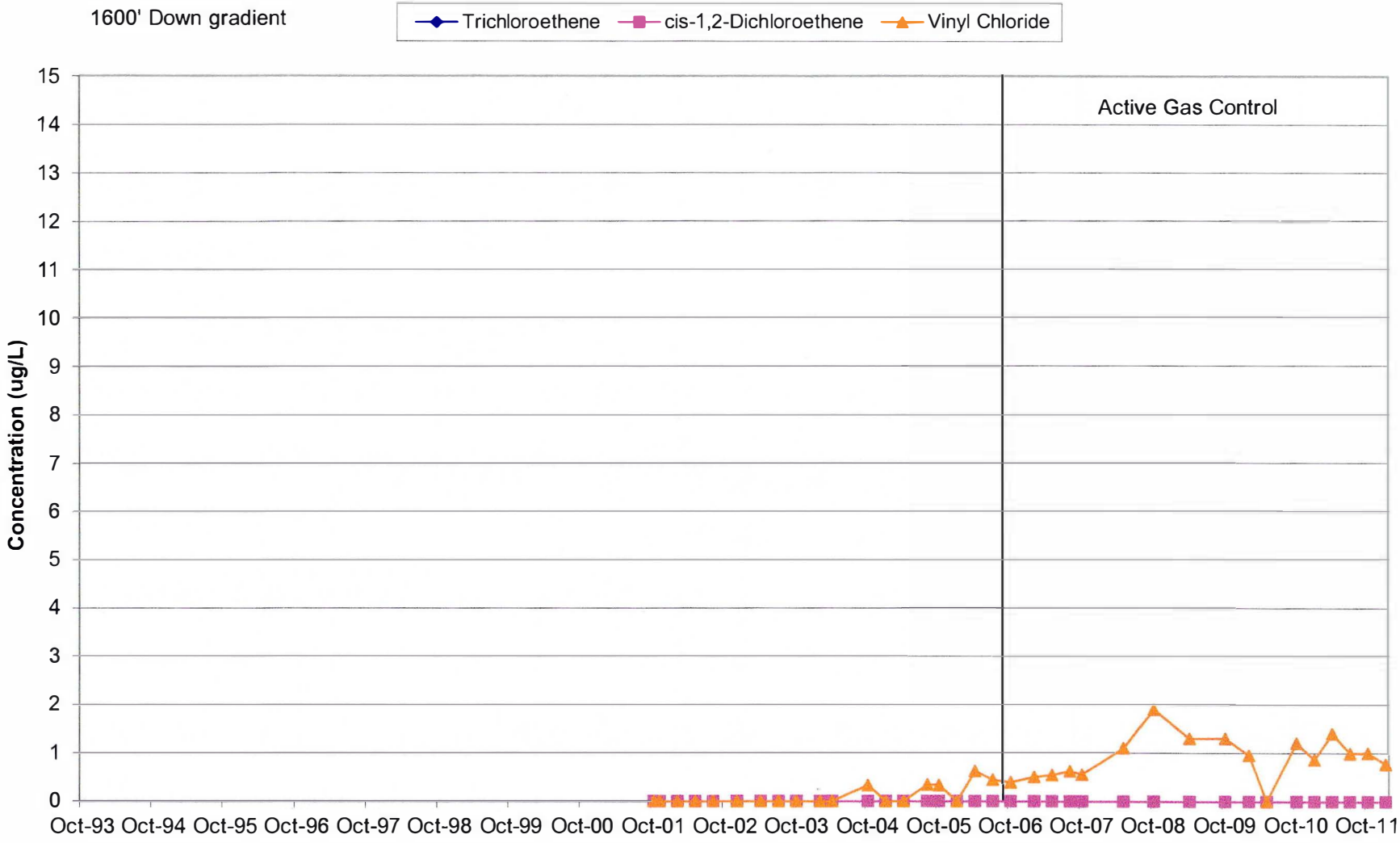

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Chart 59: P-116
Layer 3 Well

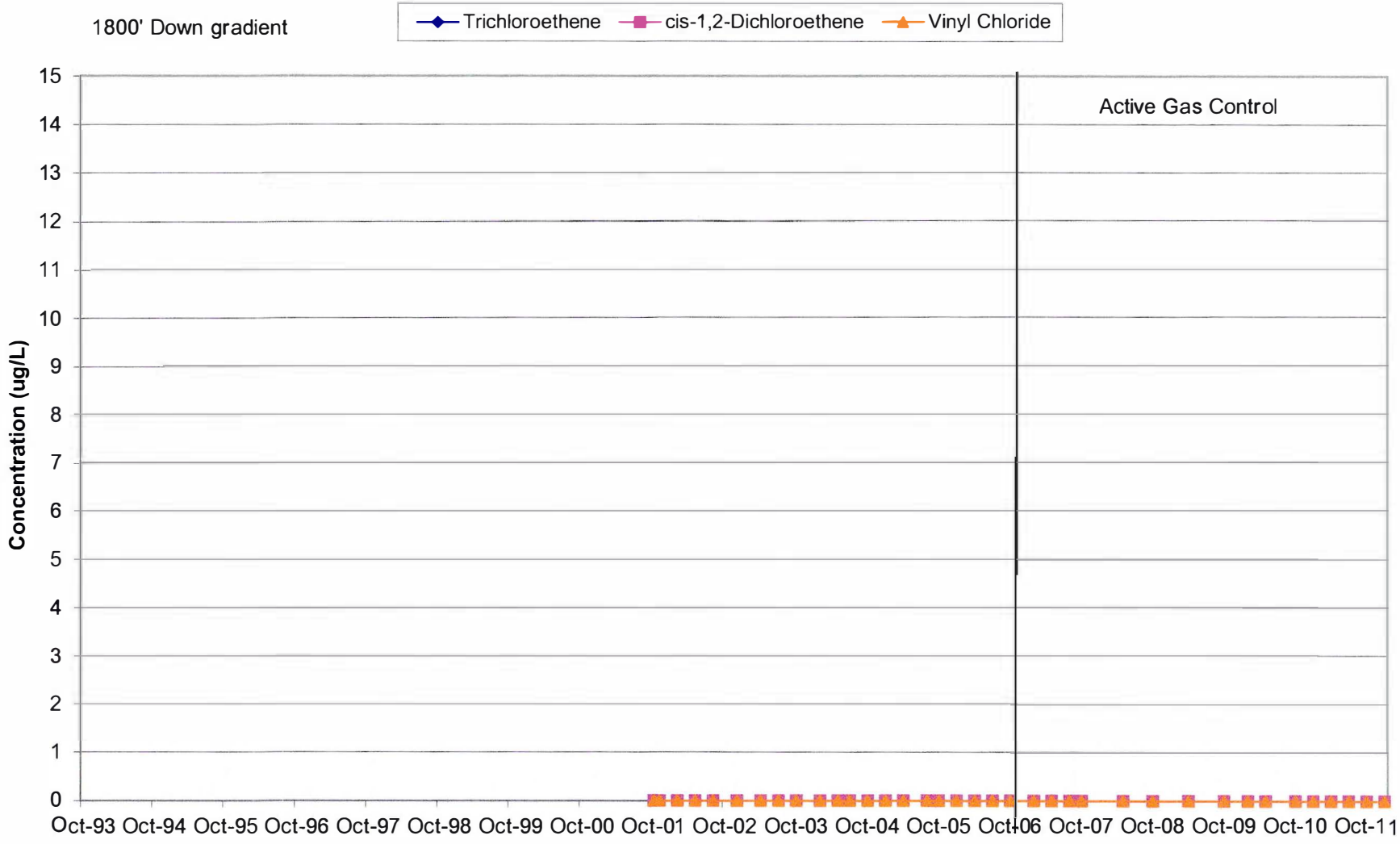

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Chart 60: MW-3A
Layer 4 Well

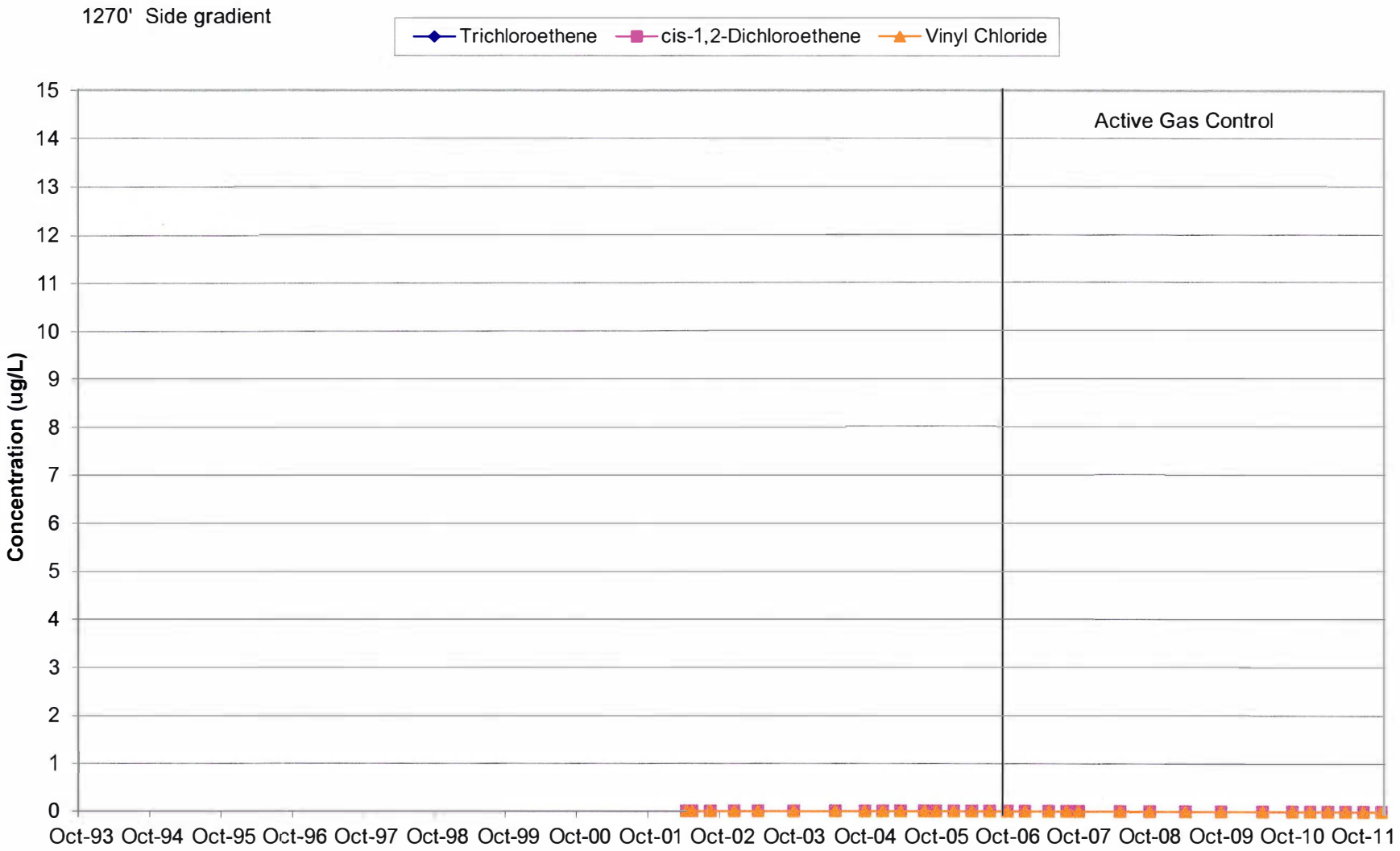

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Chart 61: P-107D
Layer 4 Well

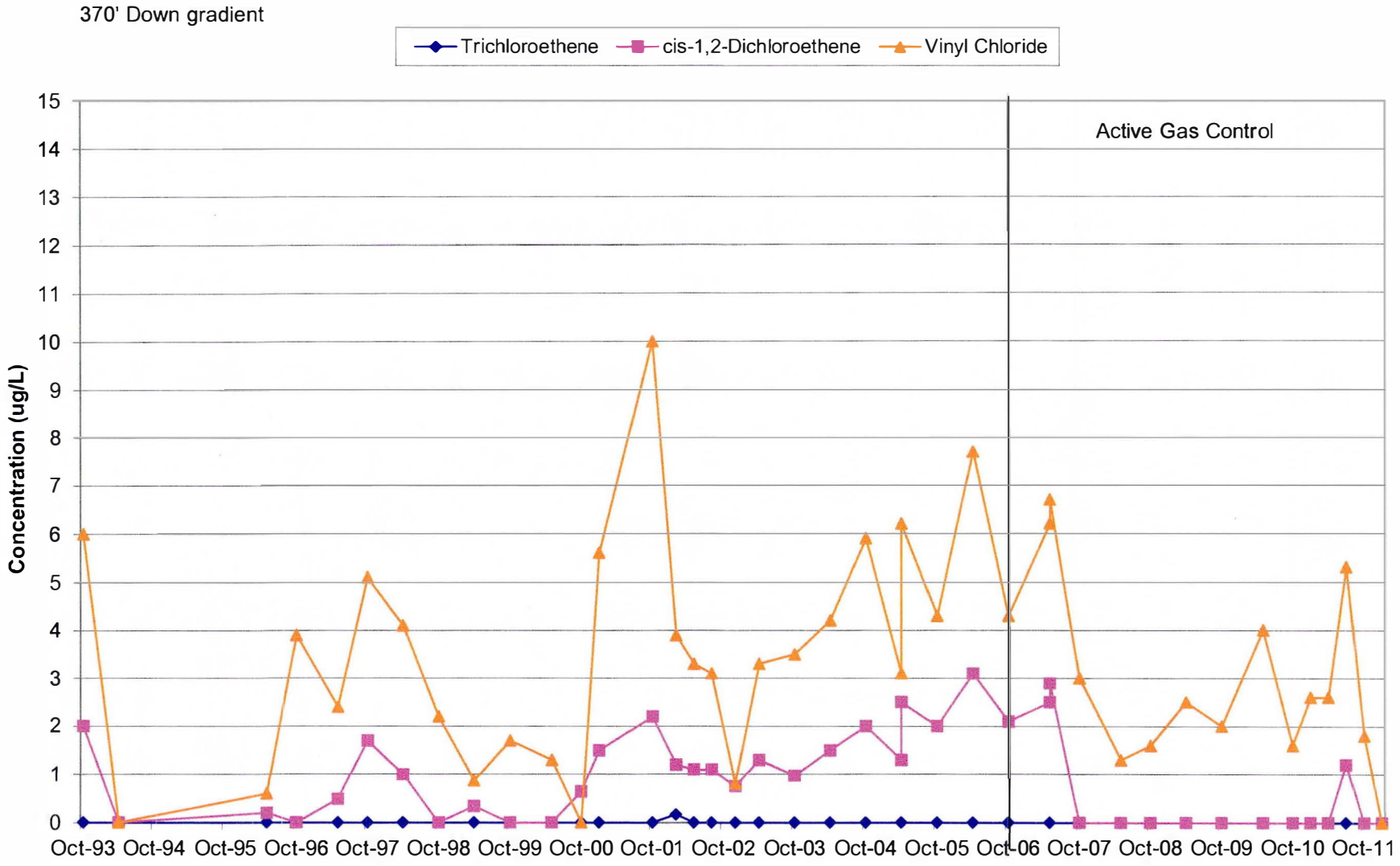

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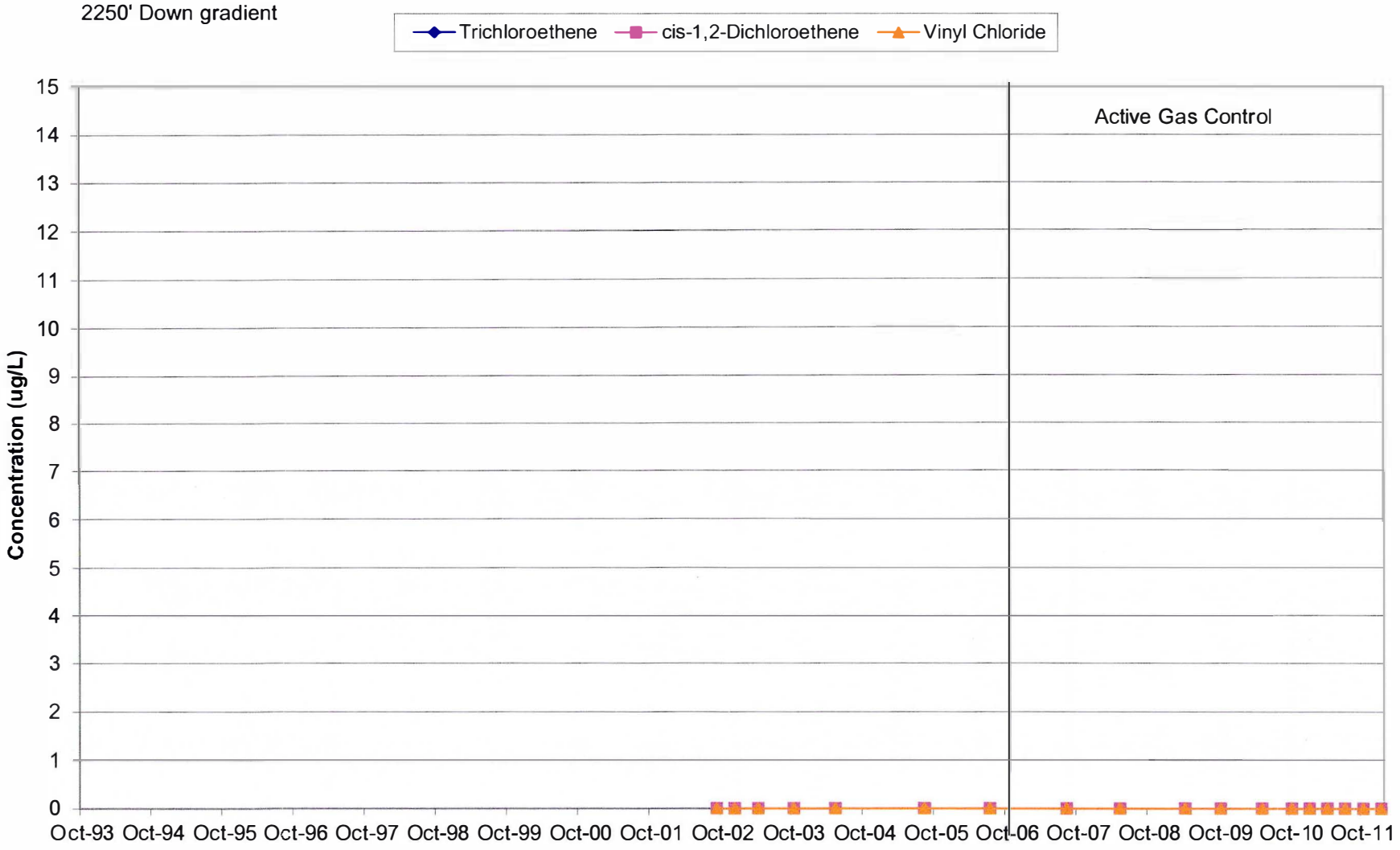
Chart 62: P-113A
Layer 4 Well



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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	Jul-11	Oct-11	Jan-12
MW-101	884.80	823.43	823.29	822.19	NM	823.66	824.41	822.45	822.93
P-101	885.26	823.37	823.25	822.14	NM	823.6	824.38	822.37	822.87
MW-102	843.05	823.77	823.66	822.66	NM	824.1	824.73	822.67	823.36
P-102	842.99	823.8	823.71	822.74	NM	824.16	824.79	822.67	823.44
MW-103	872.42	821.25	821.32	820.29	NM	821.34	822.45	821.14	820.97
P-103	872.92	823.34	823.19	822.26	NM	823.6	824.28	822.34	822.91
P-103D	873.08	822.575	822.35	821.81	821.96	822.88	823.26	821.64	822.04
MW-104	875.15	823.25	823.12	822.1	NM	823.47	824.19	822.32	822.82
P-104	875.48	823.41	823.3	822.26	NM	823.62	824.37	822.53	822.93
MW-106	878.90	823.72	823.6	822.57	NM	824.02	824.68	822.58	823.33
P-106	878.91	823.64	823.52	822.52	NM	823.94	824.6	822.48	823.24
MW-107	871.78	819.59	819.85	818.83	NM	819.76	821.04	820.04	819.96
P-107	871.38	819.62	819.82	818.98	NM	819.73	821.02	820.02	819.15
P-107D	871.98	819.68	818.85	820.47	819.05	820.29	819.73	818.74	819.38
MW-108	845.25	818.27	818.39	817.44	NM	818.51	819.21	818.48	818.11
P-108	845.61	821.53	821.66	820.25	NM	821.32	822.51	821.45	820.86
MW-111	856.46	818.07	818.3	817.39	NM	818.37	819.45	818.64	818.12
P-111	856.13	817.61	817.88	816.96	NM	817.89	819.01	818.18	817.68
P-111D	855.79	820.41	820.16	817.15	820.05	820.83	820.9	819.92	820.33
MW-112	874.55	820.13	820.24	819.33	NM	820.23	821.36	820.2	819.91
P-113A	833.09	819.09	818.24	820.05	818.53	819.67	818.78	818.34	818.72
P-113B	833.10	819.27	818.88	819.45	818.97	819.64	819.34	819.04	818.87
P-114	839.35	819.12	819	819.09	818.85	819.75	819.67	819	819.16
P-115	842.71	819.205	819.13	819.265	819.005	819.855	819.745	819.145	819.265
P-116	845.34	818.055	817.85	817.895	817.755	818.845	818.605	817.985	818.125
MW-3A	850.77	819.92	818.91	821.26	819	819.85	819.18	819.74	819.6
MW-3B	851.04	821	820.59	821.04	820.35	821.18	821.1	820.65	820.78
LC1	876.15	843.73	NM	NM	NM	843.14	NM	NM	NM
LC2	866.05	838.96	NM	NM	NM	838.4	NM	NM	NM
LC3	877.34	845.67	NM	NM	NM	845.22	NM	NM	NM

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-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																										
	7/12/2011																		0.63J								
	10/19/2011								0.66J																		
	1/23/2012																										
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																									**0.2 J**	
	07/22/2004																										
	10/14/2004																										
	1/27/2005																										
	4/26/2005																										
	8/2/2005																									**0.30 J**	
	10/26/2005																									**0.39 J**	
	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																										
	7/12/2011																		0.81J								
	10/19/2011																										
	1/23/2012																										

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

Sampling Point	Collection Date	Parameters																									
		Acetone [1]	Benzene	Bromomethene	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-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																										
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																										

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-102	10/26/1993	NR																									
	04/11/1994	NR																					3				
	05/08/1996	NR																					0.4J				
	10/30/1996	NR							0.99 J												0.30J						
	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																										
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																		0.48 J&							**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	2.9 J																									
	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							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			0.27				5.6		230	
	10/01/1997	NR	4.2			7.9	2.4			1.4		0.89	0.38		550J	5.2	1.5			0.38		3.1		6.6		220J	
	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							6.6		78	
	05/01/2001	NR	1.2			5.7	1.5			0.92					94	3.4	0.54		2.6L			1.1		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									0.48J		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			
	7/11/2011														4.2				0.74J					2.3			
	10/19/2011														4.3									3			
	1/24/2012														3.2									2.6			

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-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	
	7/11/2011																										
	10/18/2011																									0.29J	
	1/24/2012																									0.28J	
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	
	7/11/2011																									0.78J	
	10/18/2011																									0.54J	
	1/24/2012																									0.73J	

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

		Parameters																								
Sampling Point	Collection Date	Acetone	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	Trichlorofluoroethane	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									0.81		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	0.22 J		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				2.2J					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		4.6J	4.9				2.2 J					1.0J											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				2.0 J																	
	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																	
	10/19/2011					3.6				2																	
P-104	10/27/1994	NR																									
	04/19/1994	NR																									
	05/09/1996	NR																									
	10/30/1996	NR							0.20 J																		
	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																										

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-Dichloroethane	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-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																										
P-106	10/01/1993	NR																						0.6J			
	04/01/1994	NR																						0.8J			
	05/01/1996	NR													0.2 J									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

		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-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																										
	10/18/2011																										

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	Tetrachloroethane	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	
	10/18/2011																									0.54J	

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-Dichloroethane	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							0.44 J																	**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**	
	7/11/2011														1.2											**5.3**	
	10/18/2011																									**1.8**	
	1/23/2012																										

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

Sampling Point	Collection Date	Parameters																								
		Acetone	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	2.7J																									
	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								0.89 J											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	
	7/11/2011														1.4				0.88J							5.3	
	10/18/2011						1.5								1.4											4.5	
	10/18/2011 Dup						1.4								1.5											4.8	
	1/23/2012						2								1.7											4.3	

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

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromoethane	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	Tetrachloroethane	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					0.48J									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												
	7/11/2011														5.3				0.60J					1.5		0.27J	
	10/19/2011														1.4												
	1/24/2012																							0.76J			

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								0.42J																		
	5/25/2010																										
	10/6/2010																										
	1/25/2011																										
	4/13/2011																										
	7/12/2011																		1.3								
	10/19/2011																										
	1/23/2012																										
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																										
	7/12/2011																		1.3								
	10/19/2011								0.43J																		
	1/23/2012																										

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**	
	7/12/2011														1.3				0.80J							**5.6**	
	7/12/2011 Dup														1.5				0.67J							**5.8**	
	10/19/2011														1.2											**5.6**	
	10/19/2011 Dup														1.3											**5.5**	
	1/23/2012														1.1											**5**	
	1/23/2012 Dup														1.3											**5.1**	

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-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																									
	4/22/2003																										
	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																									**0.55 J**	
	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								0.30**J**																	**0.95J**	
	5/26/2010																										
	10/6/2010																									**1.2**	
	1/25/2011																									**0.86J**	
	4/13/2011																									**1.4**	
	7/12/2011																		0.69J							**0.99J**	
	10/19/2011																									**1**	
	1/23/2012																									**0.77J**	

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																										
	7/12/2011																		0.46J								
	10/19/2011																										
	1/23/2012																										

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 bas 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
	7/11/2011			0.13				33	3.54	1660	7.14	18.7
	10/19/2011			<0.1				171	4.01	1580	6.88	8.7
	1/24/2012			<0.1				144	3.28	1930	6.98	6.1
MW-104	10/19/2011									1312	6.78	9.9
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
	10/18/2011									1225	7.51	10.1
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
MW-112	7/11/2011			>2.5				-51	1.49	951	7.34	16.5
	10/19/2011			>2.5				-46	1.12	907	7.01	8.9
	1/24/2012			>2.5				-26	1.32	1060	7.16	8.0
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 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-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
	7/11/2011			>2.5				-123	0.83	743	7.92	11.5
	10/18/2011			>2.5				-76	1.60	737	7.38	10.3
	1/24/2012			>2.5				-47	0.65	878	7.27	9.0
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
	10/18/2011							-49	1.50	796	7.34	10.4
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
	7/12/2011			0.68				-195	0.96	591	7.54	9.9
	10/19/2011			0.71				-171	2.18	604	7.89	9.5
	1/23/2012			0.79				-110	0.28	734	7.37	8.7

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-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
	7/11/2011			>2.5				-138	1.34	751	8.12	11.6
	10/18/2011			>2.5				-82	1.28	768	7.41	10.2
	1/24/2012			>2.5				-64	0.40	895	7.28	9.3
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
	7/11/2011			1.87				-178	0.88	759	7.37	11.0
	10/18/2011			1.57				-95	2.43	752	7.71	10.0
	1/23/2012			1.87				-68	0.33	898	7.31	9.3
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
	7/12/2011			0.99				-164	0.47	588	7.43	10.5
	10/19/2011			0.94				-118	0.50	588	7.71	10.2
	1/23/2012			0.99				-75	0.29	703	7.57	9.3
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
	7/12/2011			0.57				-134	1.95	646	7.48	10.5
	10/19/2011			0.62				-123	1.49	652	7.82	10.0
	1/23/2012			0.93				-78	0.35	785	7.60	9.1

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
	7/12/2011			0.86				-143	1.74	546	7.47	10.6
	10/19/2011			0.82				-128	0.55	543	7.87	10.3
	1/23/2012			1.41				-78	0.34	647	7.53	9.6
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	-96	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
	7/12/2011			0.35				-91	1.42	485	7.50	11.9
	10/19/2011			0.37				-77	0.89	482	7.92	10.4
	1/23/2012			0.52				-21	0.38	576	7.64	8.8
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
	7/12/2011			0.19				-213	1.86	512	7.15	11.3
	10/19/2011			0.16				-175	1.25	511	7.76	9.7
	1/23/2012			<0.1				-34	0.70	606	7.09	8.0
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
	7/11/2011			0.12				-211	1.32	2	8.16	11.7
	10/18/2011			0.11				-107	2.61	535	7.69	10.1
	1/23/2012			0.27				-45	0.69	634	7.45	8.9

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
	7/12/2011			1.44				-195	1.47	509	7.33	14.3
	10/19/2011			0.94				-141	0.92	509	7.71	10.6
	1/23/2012			0.77				-76	1.20	604	7.67	7.3
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

[ ] indicates that sample was not analyzed for that parameter
* detection range only applies to samples collected on or after 10/2009
** ORP is believed to be incorrect from 2/2007 to 10/2008 due to equipment malfunction

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 NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	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 NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	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	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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
	9:12	5/23/2011	38.0	25.4	0.3	36.3	
	10:50	6/6/2011	40.0	26.0	0.3	33.7	
	9:08	6/15/2011	41.5	26.2	0.3	32.0	
	9:15	7/5/2011	35.5	26.0	0.3	38.2	
	8:06	7/13/2011	31.0	26.0	0.2	42.8	
	8:20	7/26/2011	32.0	26.6	0.3	41.1	
LC-1	8:15	8/8/2011	19.0	24.1	0.3	56.6	
	7:50	8/23/2011	16.0	24.4	0.3	59.3	
	15:19	9/9/2011	28.5	28.0	0.5	43.0	
	16:03	9/15/2011	15.0	25.2	0.8	59.0	
	8:31	9/21/2011	17.5	22.8	2.6	57.1	
	9:38	9/21/2011	14.5	21.5	3.2	60.8	
	9:29	9/22/2011	17.5	24.4	1.6	56.5	
	10:11	9/22/2011	16.0	22.2	3.3	58.5	
	10:57	9/22/2011	16.0	24.2	1.6	58.2	
	10:46	10/3/2011	7.5	21.2	2.4	68.9	
	13:55	10/24/2011	11.0	23.0	1.0	65.0	
	11:00	10/26/2011	12.0	23.6	1.3	63.1	
	10:45	11/7/2011	10.5	23.4	0.5	65.6	
	9:20	11/14/2011	14.5	24.0	0.1	61.4	
	9:18	12/12/2011	12.7	24.2	0.2	62.9	
	10:24	12/27/2011	36.5	27.2	0.2	36.1	
	8:45	1/10/2012	24.5	25.4	0.1	50.0	
	10:10	1/25/2012	26.0	27.2	0.3	46.5	

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
	9:31	5/23/2011	46.0	25.8	3.3	24.9	
	11:05	6/6/2011	57.0	30.0	0.6	12.4	
	9:21	6/15/2011	58.0	30.6	0.7	10.7	
	9:30	7/5/2011	60.5	30.2	0.8	8.5	
	8:10	7/13/2011	57.0	28.4	2.0	12.6	
	8:30	7/26/2011	63.5	30.6	0.6	5.3	
LC-2	8:30	8/8/2011	60.5	31.4	0.6	7.5	
	8:10	8/23/2011	57.5	31.8	0.7	10	
	15:15	9/9/2011	60.0	33.2	0.9	5.9	
	16:03	9/15/2011	62.0	33.6	1.1	3.3	
	8:40	9/21/2011	58.0	32.4	1.5	8.1	
	9:45	9/21/2011	60.0	34.2	0.8	5	
	9:35	9/22/2011	53.0	31.2	2.7	13.1	
	10:15	9/22/2011	60.0	34.0	1.1	4.9	
	11:04	9/22/2011	53.5	30.2	3.0	13.3	
	10:53	10/3/2011	47.0	33.2	1.1	18.7	
	14:00	10/24/2011	23.0	21.4	4.6	51	
	12:08	10/26/2011	51.8	34.8	0.6	12.8	
	10:59	11/7/2011	44.5	33.8	0.5	21.2	
	9:35	11/14/2011	46.0	33.8	0.2	20	
	9:30	12/12/2011	49.5	34.8	0.3	15.4	
	10:41	12/27/2011	49.0	34.0	0.2	16.8	
	9:00	1/10/2012	52.0	34.4	0.1	13.5	
	10:00	1/25/2012	48.0	34.8	0.4	16.8	

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	9:20	5/23/2011	39.5	24.0	4.2	32.3	
	11:00	6/6/2011	40.5	24.4	4.1	31.0	
	9:15	6/15/2011	40.5	24.4	4.0	31.1	
	9:20	7/5/2011	39.0	24.6	3.6	32.8	
	8:13	7/13/2011	38.5	24.6	3.5	33.4	
	8:15	7/26/2011	37.5	24.4	3.5	34.6	
	8:25	8/8/2011	31.5	23.4	3.4	41.7	
	8:00	8/23/2011	28.5	22.4	3.9	45.2	
	15:21	9/9/2011	34.0	24.6	3.9	37.5	
	16:03	9/15/2011	27.5	23.0	4.7	44.8	
	8:35	9/21/2011	25.0	21.8	4.7	48.5	
	9:42	9/21/2011	25.0	21.4	4.9	48.7	
	9:33	9/22/2011	26.0	22.2	4.8	47.0	
	10:13	9/22/2011	26.0	21.8	5.1	47.1	
	10:59	9/22/2011	27.5	22.6	4.6	45.3	
	10:50	10/3/2011	18.0	20.2	5.1	56.7	
	14:05	10/24/2011	41.0	28.6	3.7	26.7	
	11:08	10/26/2011	24.5	22.0	5.0	48.5	
	10:52	11/7/2011	21.5	21.4	4.7	52.4	
	9:27	11/14/2011	23.5	21.8	4.4	50.3	
	9:37	12/12/2011	23.0	22.2	4.7	50.1	
	10:30	12/27/2011	28.0	23.0	4.2	44.8	
	8:51	1/10/2012	32.5	24.0	4.2	39.3	
	9:55	1/25/2012	33.0	26.0	4.2	36.8	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
GV-6	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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
	9:00	5/23/2011	35.5	24.4	0.4	39.7	
	10:45	6/6/2011	39.5	25.2	0.3	35.0	
	8:59	6/15/2011	41.0	26.8	0.3	31.9	
	9:10	7/5/2011	35.4	26.0	0.6	38.0	
	8:09	7/13/2011	24.0	24.8	0.6	50.6	
GV-6	8:10	7/26/2011	35.0	27.4	0.7	36.9	
	8:10	8/8/2011	20.0	23.6	0.5	55.9	
	7:45	8/23/2011	19.0	24.8	0.9	55.3	
	15:17	9/9/2011	29.0	1.2	26.4	43.4	
	16:01	9/15/2011	19.0	24.6	0.5	55.9	
	8:27	9/21/2011	39.5	29.0	0.5	31.0	
	9:35	9/21/2011	20.0	22.1	1.5	56.4	
	9:27	9/22/2011	26.0	22.2	4.8	47.0	
	10:09	9/22/2011	9.9	19.2	2.5	68.4	
	10:55	9/22/2011	11.5	18.8	3.3	66.4	
	10:40	10/3/2011	4.6	13.6	8.1	73.8	
	13:49	10/24/2011	7.5	20.4	1.2	70.9	
	10:55	10/26/2011	7.5	16.4	5.8	70.3	
	10:40	11/7/2011	4.5	14.6	6.6	74.3	
	9:15	11/14/2011	7	17.8	3	72.2	
	10:30	11/14/2011	5	6.8	2.7	85.5	
	9:12	12/12/2011	7.5	16.8	4.3	71.4	
	10:17	12/27/2011	9	7	13.9	70.1	
	8:40	1/10/2012	12	19.6	1	67.4	
	10:05	1/25/2012	11.5	22.6	0.2	65.7	

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
GV-1	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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
GV-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

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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

Closed Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
GV-12	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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	8:50	5/23/2011	0.0	5.4	3.8	90.8	
	10:35	6/6/2011	**6.4**	7.0	4.4	82.2	
	8:50	6/15/2011	**15.5**	9.6	0.3	74.6	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	9:00	7/5/2011	**15.0**	6.6	8.7	69.7	
	6:38	7/13/2011	**12.0**	13.0	0.4	74.6	
	8:00	7/26/2011	**13.0**	12.0	0.5	74.5	
	8:05	8/8/2011	**12.5**	12.6	0.3	74.6	
	7:35	8/23/2011	**25.0**	16.0	0.3	58.7	
	15:30	9/9/2011	**26.0**	18.2	0.2	55.6	
	15:58	9/15/2011	**11.5**	15.8	3.1	69.6	
	8:20	9/21/2011	**18.5**	18.2	0.4	62.9	
	9:25	9/21/2011	**13.5**	17.4	1.5	67.6	
	9:17	9/22/2011	**6.0**	10.8	8.1	75.1	
GP-1	10:04	9/22/2011	**7.0**	17.0	1.7	74.3	
	10:50	9/22/2011	3.8	9.6	10.2	76.5	
	10:35	10/3/2011	4.7	9.0	9.1	77.2	
	13:40	10/24/2011	1.9	15.0	2.2	80.9	
	10:45	10/26/2011	1.5	6.0	13.5	79.0	
	10:30	11/7/2011	0.3	4.0	14.8	81.0	
	9:08	11/14/2011	4.7	7.6	1.9	85.8	
	9:05	12/12/2011	0.1	1.6	15.3	83.1	
	10:05	12/27/2011	3.6	4.4	1.5	90.5	
	8:30	1/10/2012	4.6	4.4	0.1	91.0	
	10:15	1/25/2012	0.1	4.6	4.9	90.4	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:37	7/13/2011	0.0	0.8	19.9	79.3	
	7:45	10/26/2011	0.0	1.0	20.0	79.0	
	9:26	1/25/2012	0.1	3.6	17.0	79.4	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	8:15	7/13/2011	0.0	0.0	20.1	79.9	
	11:12	10/26/2011	0.0	0.2	20.4	79.4	
	11:30	1/25/2012	0.1	4.2	15.4	80.3	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:18	7/13/2011	0.0	1.0	19.4	79.6	
	11:15	10/26/2011	0.0	0.8	20.4	78.8	
	7:17	1/25/2012	0.1	1.0	19.1	79.8	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-5	10:35	4/25/2011	0.2	3.0	16.0	80.8	
	6:28	7/13/2011	0.0	9.4	10.7	79.9	
	12:05	10/26/2011	0.0	6.6	15.5	77.9	
	10:25	1/25/2012	0.1	4.8	14.9	80.2	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:32	7/13/2011	0.0	2.8	17.1	80.1	
	7:25	10/26/2011	0.0	3.0	18.3	78.7	
	7:08	1/25/2012	0.1	1.2	18.8	79.9	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:29	7/13/2011	0.0	1.4	19.1	79.5	
	7:20	10/26/2011	0.0	0.6	19.9	79.5	
	7:05	1/25/2012	0.1	2.0	18.0	79.9	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:23	7/13/2011	0.0	0.8	19.2	80.0	
	7:30	10/26/2011	0.0	0.8	20.4	78.8	
	7:27	1/25/2012	0.1	1.6	18.7	79.6	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:41	7/13/2011	0.0	1.4	19.2	79.4	
	7:50	10/26/2011	0.0	2.4	19.2	78.4	
	9:45	1/25/2012	0.1	4.4	16.2	79.3	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	6:47	7/13/2011	0.0	2.8	18.3	78.9	
	10:10	10/26/2011	0.0	3.0	18.5	78.5	
	7:40	1/25/2012	0.1	2.6	18.4	78.9	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	6:35	7/13/2011	0.0	2.4	17.5	80.1	
	11:30	10/26/2011	0.0	3.6	17.8	78.6	
	10:35	1/25/2012	0.1	4.6	14.8	80.5	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	6:50	7/13/2011	0.0	0.0	20.5	79.5	
	10:15	10/26/2011	0.0	0.6	20.4	79.0	
	7:38	1/25/2012	0.1	0.6	19.5	79.8	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
MW-102	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	
	6:30	7/13/2011	0.0	1.8	14.2	84.0	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-102	12:08	10/26/2011	0.0	2.4	18.4	79.2	
	10:30	1/25/2012	0.1	0.4	17.9	81.6	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
MW-103	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	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-103	7:15	1/25/2011	0.0	0.2	19.4	80.4	
	7:25	4/25/2011	0.2	3.0	17.5	79.3	
	7:15	7/13/2011	0.0	0.0	20.5	79.5	
	7:35	10/26/2011	0.0	0.0	20.9	79.1	
	7:14	1/25/2012	0.2	2.6	16.9	80.3	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	
	7:47	7/13/2011	0.0	0.0	20.5	79.5	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-104	11:05	10/26/2011	0.0	0.2	20.4	79.4	
	7:10	1/25/2012	0.1	1.0	18.5	80.4	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments 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	24.0	5.5	16.3	54.2	
	8:24	7/13/2011	5.5	3.8	17.4	73.3	
	16:15	9/15/2011	13.0	13.8	9.9	63.3	
	8:22	9/21/2011	34.0	26.8	2.9	36.3	
	9:28	9/21/2011	18.5	18.4	6.5	56.6	
	9:20	9/22/2011	22.5	22.6	3.7	51.2	
	10:05	9/22/2011	17.0	18.0	7.0	58.0	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	10:51	9/22/2011	18.0	18.8	6.0	57.2	
	10:32	10/3/2011	6.0	8.4	13.9	71.7	
	13:43	10/24/2011	7.5	10.0	12.0	70.5	
	10:50	10/26/2011	7.5	16.4	5.8	70.3	
	10:33	11/7/2011	5.5	7.4	14.6	72.5	
	9:11	11/14/2011	5.0	6.4	14.8	73.8	
	10:20	12/12/2011	7.5	4.8	16.6	71.1	
	10:10	12/27/2011	6.5	5	15.8	72.7	
	9:10	1/10/2012	6	6	14.4	73.6	
	10:17	1/25/2012	3.1	2.4	17.6	76.9	

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	Dichlorotetrafluorethane	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						
	7/13/2011																				1.1					0.87			
	10/26/2011																6.4												
	1/25/2012								1.8								27.8												

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
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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-Dichloroetiene	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								
	7/13/2011			6.2									10.7		2.9		15.7				4.6	0.96						4.2	
	10/26/2011								3.4								68.9				2.7								
	1/25/2012																				0.9								

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
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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
	7/13/2011			63.4					36.8	10.7					18.6														
	10/26/2011															11.4	193				10.6		39.1						20.5
	1/25/2012			57.4					55.8	6.4					34.2														

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2012\January 2012\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					0.83			
	7/13/2011	58							439																				
	10/26/2011	20		243					379						211														
	1/25/2012			2.3					4						3.1		79												

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2012\January 2012\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
	7/13/2011	172							68.9			97.2	9120		49.8	75.9	305				3180		402					11000	159.9
	10/26/2011																22.7												
	1/25/2012								1340				15800								1910							26300	

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

February 09, 2012

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

RE: Project: FF/NN Landfill
Pace Project No.: 3061964

Dear Mr. Olavarria:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

David A. Pichette

david.pichette@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.: 3061964

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

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SAMPLE ANALYTE COUNT

Project: FF/NN Landfill
Pace Project No.: 3061964

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3061964001	**LC-1**	TO-14 Ambient Air	CJR	40	PASI-M
3061964002	**LC-2**	TO-14 Ambient Air	CJR	40	PASI-M
3061964003	**LC-3**	TO-14 Ambient Air	CJR	40	PASI-M
3061964004	**GV-6**	TO-14 Ambient Air	CJR	40	PASI-M
3061964005	**GP-3**	TO-14 Ambient Air	CJR	40	PASI-M

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3061964

Sample: LC-1 **Lab ID: 3061964001** Collected: 01/25/12 08:04 Received: 01/26/12 09:55 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 AmbientAir							
Benzene	ND	ppbv	3.9	7.85		02/08/12 19:47	71-43-2	
Bromomethane	ND	ppbv	3.9	7.85		02/08/12 19:47	74-83-9	
Carbon tetrachloride	ND	ppbv	3.9	7.85		02/08/12 19:47	56-23-5	
Chlorobenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	108-90-7	
Chloroethane	**57.4**	ppbv	3.9	7.85		02/08/12 19:47	75-00-3	
Chloroform	ND	ppbv	3.9	7.85		02/08/12 19:47	67-66-3	
Chloromethane	ND	ppbv	3.9	7.85		02/08/12 19:47	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	3.9	7.85		02/08/12 19:47	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	106-46-7	
Dichlorodifluoromethane	**55.8**	ppbv	3.9	7.85		02/08/12 19:47	75-71-8	
1,1-Dichloroethane	**6.4**	ppbv	3.9	7.85		02/08/12 19:47	75-34-3	
1,2-Dichloroethane	ND	ppbv	3.9	7.85		02/08/12 19:47	107-06-2	
1,1-Dichloroethene	ND	ppbv	3.9	7.85		02/08/12 19:47	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	3.9	7.85		02/08/12 19:47	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	3.9	7.85		02/08/12 19:47	156-60-5	
1,2-Dichloropropane	ND	ppbv	3.9	7.85		02/08/12 19:47	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	3.9	7.85		02/08/12 19:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	3.9	7.85		02/08/12 19:47	10061-02-6	
Dichlorotetrafluoroethane	**34.2**	ppbv	3.9	7.85		02/08/12 19:47	76-14-2	
Ethylbenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	3.9	7.85		02/08/12 19:47	87-68-3	
Methylene Chloride	ND	ppbv	3.9	7.85		02/08/12 19:47	75-09-2	
Styrene	ND	ppbv	3.9	7.85		02/08/12 19:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	3.9	7.85		02/08/12 19:47	79-34-5	
Tetrachloroethene	ND	ppbv	3.9	7.85		02/08/12 19:47	127-18-4	
THC as Gas	**1650**	ppbv	275	7.85		02/08/12 19:47		
Toluene	ND	ppbv	3.9	7.85		02/08/12 19:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	3.9	7.85		02/08/12 19:47	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	3.9	7.85		02/08/12 19:47	79-00-5	
Trichloroethene	ND	ppbv	3.9	7.85		02/08/12 19:47	79-01-6	
Trichlorofluoromethane	ND	ppbv	3.9	7.85		02/08/12 19:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	3.9	7.85		02/08/12 19:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	3.9	7.85		02/08/12 19:47	108-67-8	
Vinyl chloride	ND	ppbv	3.9	7.85		02/08/12 19:47	75-01-4	
m&p-Xylene	ND	ppbv	7.8	7.85		02/08/12 19:47	179601-23-1	
o-Xylene	ND	ppbv	3.9	7.85		02/08/12 19:47	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3061964

Sample: LC-2 **Lab ID: 3061964002** Collected: 01/25/12 07:54 Received: 01/26/12 09:55 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	2.2	4.43		02/09/12 09:04	71-43-2	
Bromomethane	ND	ppbv	2.2	4.43		02/09/12 09:04	74-83-9	
Carbon tetrachloride	ND	ppbv	2.2	4.43		02/09/12 09:04	56-23-5	
Chlorobenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	108-90-7	
Chloroethane	**2.3**	ppbv	2.2	4.43		02/09/12 09:04	75-00-3	
Chloroform	ND	ppbv	2.2	4.43		02/09/12 09:04	67-66-3	
Chloromethane	ND	ppbv	2.2	4.43		02/09/12 09:04	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	2.2	4.43		02/09/12 09:04	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	106-46-7	
Dichlorodifluoromethane	**4.0**	ppbv	2.2	4.43		02/09/12 09:04	75-71-8	
1,1-Dichloroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	75-34-3	
1,2-Dichloroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	107-06-2	
1,1-Dichloroethene	ND	ppbv	2.2	4.43		02/09/12 09:04	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	2.2	4.43		02/09/12 09:04	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	2.2	4.43		02/09/12 09:04	156-60-5	
1,2-Dichloropropane	ND	ppbv	2.2	4.43		02/09/12 09:04	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	2.2	4.43		02/09/12 09:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	2.2	4.43		02/09/12 09:04	10061-02-6	
Dichlorotetrafluoroethane	**3.1**	ppbv	2.2	4.43		02/09/12 09:04	76-14-2	
Ethylbenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	2.2	4.43		02/09/12 09:04	87-68-3	
Methylene Chloride	**79.0**	ppbv	2.2	4.43		02/09/12 09:04	75-09-2	
Styrene	ND	ppbv	2.2	4.43		02/09/12 09:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	79-34-5	
Tetrachloroethene	ND	ppbv	2.2	4.43		02/09/12 09:04	127-18-4	
THC as Gas	**859**	ppbv	155	4.43		02/09/12 09:04		
Toluene	ND	ppbv	2.2	4.43		02/09/12 09:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	79-00-5	
Trichloroethene	ND	ppbv	2.2	4.43		02/09/12 09:04	79-01-6	
Trichlorofluoromethane	ND	ppbv	2.2	4.43		02/09/12 09:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	2.2	4.43		02/09/12 09:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	2.2	4.43		02/09/12 09:04	108-67-8	
Vinyl chloride	ND	ppbv	2.2	4.43		02/09/12 09:04	75-01-4	
m&p-Xylene	ND	ppbv	4.4	4.43		02/09/12 09:04	179601-23-1	
o-Xylene	ND	ppbv	2.2	4.43		02/09/12 09:04	95-47-6	

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.: 3061964

Sample: LC-3 **Lab ID: 3061964003** Collected: 01/25/12 00:01 Received: 01/26/12 09:55 Matrix: Air

Comments: • The sample was analyzed by serial dilution.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1080	2150.4		02/08/12 17:18	71-43-2	
Bromomethane	ND	ppbv	1080	2150.4		02/08/12 17:18	74-83-9	
Carbon tetrachloride	ND	ppbv	1080	2150.4		02/08/12 17:18	56-23-5	
Chlorobenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	108-90-7	
Chloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	75-00-3	
Chloroform	ND	ppbv	1080	2150.4		02/08/12 17:18	67-66-3	
Chloromethane	ND	ppbv	1080	2150.4		02/08/12 17:18	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1080	2150.4		02/08/12 17:18	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	106-46-7	
Dichlorodifluoromethane	**1340**	ppbv	1080	2150.4		02/08/12 17:18	75-71-8	
1,1-Dichloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	75-34-3	
1,2-Dichloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	107-06-2	
1,1-Dichloroethene	ND	ppbv	1080	2150.4		02/08/12 17:18	75-35-4	
cis-1,2-Dichloroethene	**15800**	ppbv	1080	2150.4		02/08/12 17:18	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1080	2150.4		02/08/12 17:18	156-60-5	
1,2-Dichloropropane	ND	ppbv	1080	2150.4		02/08/12 17:18	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1080	2150.4		02/08/12 17:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1080	2150.4		02/08/12 17:18	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	76-14-2	
Ethylbenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1080	2150.4		02/08/12 17:18	87-68-3	
Methylene Chloride	ND	ppbv	1080	2150.4		02/08/12 17:18	75-09-2	
Styrene	ND	ppbv	1080	2150.4		02/08/12 17:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	79-34-5	
Tetrachloroethene	ND	ppbv	1080	2150.4		02/08/12 17:18	127-18-4	
THC as Gas	**215000**	ppbv	75300	2150.4		02/08/12 17:18		
Toluene	**1910**	ppbv	1080	2150.4		02/08/12 17:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	79-00-5	
Trichloroethene	ND	ppbv	1080	2150.4		02/08/12 17:18	79-01-6	
Trichlorofluoromethane	ND	ppbv	1080	2150.4		02/08/12 17:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1080	2150.4		02/08/12 17:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1080	2150.4		02/08/12 17:18	108-67-8	
Vinyl chloride	**26300**	ppbv	1080	2150.4		02/08/12 17:18	75-01-4	
m&p-Xylene	ND	ppbv	2150	2150.4		02/08/12 17:18	179601-23-1	
o-Xylene	ND	ppbv	1080	2150.4		02/08/12 17:18	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3061964

Sample: GV-6 **Lab ID: 3061964004** Collected: 01/25/12 08:02 Received: 01/26/12 09:55 Matrix: Air

Comments: • The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.
• Result confirmed by second analysis.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	0.78	1.57		02/08/12 19:18	71-43-2	
Bromomethane	ND	ppbv	0.78	1.57		02/08/12 19:18	74-83-9	
Carbon tetrachloride	ND	ppbv	0.78	1.57		02/08/12 19:18	56-23-5	
Chlorobenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	108-90-7	
Chloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	75-00-3	
Chloroform	ND	ppbv	0.78	1.57		02/08/12 19:18	67-66-3	
Chloromethane	ND	ppbv	0.78	1.57		02/08/12 19:18	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.78	1.57		02/08/12 19:18	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.78	1.57		02/08/12 19:18	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.78	1.57		02/08/12 19:18	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.78	1.57		02/08/12 19:18	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.78	1.57		02/08/12 19:18	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.78	1.57		02/08/12 19:18	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.78	1.57		02/08/12 19:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.78	1.57		02/08/12 19:18	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	76-14-2	
Ethylbenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.78	1.57		02/08/12 19:18	87-68-3	
Methylene Chloride	ND	ppbv	0.78	1.57		02/08/12 19:18	75-09-2	
Styrene	ND	ppbv	0.78	1.57		02/08/12 19:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	79-34-5	
Tetrachloroethene	ND	ppbv	0.78	1.57		02/08/12 19:18	127-18-4	
THC as Gas	**1380**	ppbv	55.0	1.57		02/08/12 19:18		
Toluene	**0.90**	ppbv	0.78	1.57		02/08/12 19:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	79-00-5	
Trichloroethene	ND	ppbv	0.78	1.57		02/08/12 19:18	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.78	1.57		02/08/12 19:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.78	1.57		02/08/12 19:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.78	1.57		02/08/12 19:18	108-67-8	
Vinyl chloride	ND	ppbv	0.78	1.57		02/08/12 19:18	75-01-4	
m&p-Xylene	ND	ppbv	1.6	1.57		02/08/12 19:18	179601-23-1	
o-Xylene	ND	ppbv	0.78	1.57		02/08/12 19:18	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3061964

Sample: GP-3 **Lab ID: 3061964005** Collected: 01/25/12 07:45 Received: 01/26/12 09:55 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	0.84	1.68		02/08/12 18:47	71-43-2	
Bromomethane	ND	ppbv	0.84	1.68		02/08/12 18:47	74-83-9	
Carbon tetrachloride	ND	ppbv	0.84	1.68		02/08/12 18:47	56-23-5	
Chlorobenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	108-90-7	
Chloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	75-00-3	
Chloroform	ND	ppbv	0.84	1.68		02/08/12 18:47	67-66-3	
Chloromethane	ND	ppbv	0.84	1.68		02/08/12 18:47	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.84	1.68		02/08/12 18:47	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	106-46-7	
Dichlorodifluoromethane	**1.8**	ppbv	0.84	1.68		02/08/12 18:47	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.84	1.68		02/08/12 18:47	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.84	1.68		02/08/12 18:47	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.84	1.68		02/08/12 18:47	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.84	1.68		02/08/12 18:47	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.84	1.68		02/08/12 18:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.84	1.68		02/08/12 18:47	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	76-14-2	
Ethylbenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.84	1.68		02/08/12 18:47	87-68-3	
Methylene Chloride	**27.8**	ppbv	0.84	1.68		02/08/12 18:47	75-09-2	
Styrene	ND	ppbv	0.84	1.68		02/08/12 18:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	79-34-5	
Tetrachloroethene	ND	ppbv	0.84	1.68		02/08/12 18:47	127-18-4	
THC as Gas	**274**	ppbv	58.8	1.68		02/08/12 18:47		
Toluene	ND	ppbv	0.84	1.68		02/08/12 18:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	79-00-5	
Trichloroethene	ND	ppbv	0.84	1.68		02/08/12 18:47	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.84	1.68		02/08/12 18:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.84	1.68		02/08/12 18:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.84	1.68		02/08/12 18:47	108-67-8	
Vinyl chloride	ND	ppbv	0.84	1.68		02/08/12 18:47	75-01-4	
m&p-Xylene	ND	ppbv	1.7	1.68		02/08/12 18:47	179601-23-1	
o-Xylene	ND	ppbv	0.84	1.68		02/08/12 18:47	95-47-6	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3061964

QC Batch: AIR/14196 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSVAIR - AMBIENT
Associated Lab Samples: 3061964001, 3061964002, 3061964003, 3061964004, 3061964005

METHOD BLANK: 1136546 Matrix: Air
Associated Lab Samples: 3061964001, 3061964002, 3061964003, 3061964004, 3061964005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	02/08/12 15:33	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	02/08/12 15:33	
1,1,2-Trichloroethane	ppbv	ND	0.50	02/08/12 15:33	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	02/08/12 15:33	
1,1-Dichloroethane	ppbv	ND	0.50	02/08/12 15:33	
1,1-Dichloroethene	ppbv	ND	0.50	02/08/12 15:33	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	02/08/12 15:33	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	02/08/12 15:33	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	02/08/12 15:33	
1,2-Dichlorobenzene	ppbv	ND	0.50	02/08/12 15:33	
1,2-Dichloroethane	ppbv	ND	0.50	02/08/12 15:33	
1,2-Dichloropropane	ppbv	ND	0.50	02/08/12 15:33	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	02/08/12 15:33	
1,3-Dichlorobenzene	ppbv	ND	0.50	02/08/12 15:33	
1,4-Dichlorobenzene	ppbv	ND	0.50	02/08/12 15:33	
Benzene	ppbv	ND	0.50	02/08/12 15:33	
Bromomethane	ppbv	ND	0.50	02/08/12 15:33	
Carbon tetrachloride	ppbv	ND	0.50	02/08/12 15:33	
Chlorobenzene	ppbv	ND	0.50	02/08/12 15:33	
Chloroethane	ppbv	ND	0.50	02/08/12 15:33	
Chloroform	ppbv	ND	0.50	02/08/12 15:33	
Chloromethane	ppbv	ND	0.50	02/08/12 15:33	
cis-1,2-Dichloroethene	ppbv	ND	0.50	02/08/12 15:33	
cis-1,3-Dichloropropene	ppbv	ND	0.50	02/08/12 15:33	
Dichlorodifluoromethane	ppbv	ND	0.50	02/08/12 15:33	
Dichlorotetrafluoroethane	ppbv	ND	0.50	02/08/12 15:33	
Ethylbenzene	ppbv	ND	0.50	02/08/12 15:33	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	02/08/12 15:33	
m&p-Xylene	ppbv	ND	1.0	02/08/12 15:33	
Methylene Chloride	ppbv	ND	0.50	02/08/12 15:33	
o-Xylene	ppbv	ND	0.50	02/08/12 15:33	
Styrene	ppbv	ND	0.50	02/08/12 15:33	
Tetrachloroethene	ppbv	ND	0.50	02/08/12 15:33	
THC as Gas	ppbv	ND	35.0	02/08/12 15:33	
Toluene	ppbv	ND	0.50	02/08/12 15:33	
trans-1,2-Dichloroethene	ppbv	ND	0.50	02/08/12 15:33	
trans-1,3-Dichloropropene	ppbv	ND	0.50	02/08/12 15:33	
Trichloroethene	ppbv	ND	0.50	02/08/12 15:33	
Trichlorofluoromethane	ppbv	ND	0.50	02/08/12 15:33	
Vinyl chloride	ppbv	ND	0.50	02/08/12 15:33	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3061964

LABORATORY CONTROL SAMPLE: 1136547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	11.5	115	72-129	
1,1,2,2-Tetrachloroethane	ppbv	10	12.6	126	73-131	
1,1,2-Trichloroethane	ppbv	10	11.7	117	71-128	
1,1,2-Trichlorotrifluoroethane	ppbv	10	10.8	108	65-132	
1,1-Dichloroethane	ppbv	10	11.1	111	67-132	
1,1-Dichloroethene	ppbv	10	11.2	112	68-134	
1,2,4-Trichlorobenzene	ppbv	10	13.6	136	48-150	
1,2,4-Trimethylbenzene	ppbv	10	9.6	96	72-127	
1,2-Dibromoethane (EDB)	ppbv	10	8.8	88	75-130	
1,2-Dichlorobenzene	ppbv	10	9.5	95	71-132	
1,2-Dichloroethane	ppbv	10	11.5	115	70-131	
1,2-Dichloropropane	ppbv	10	11.4	114	73-130	
1,3,5-Trimethylbenzene	ppbv	10	9.6	96	70-133	
1,3-Dichlorobenzene	ppbv	10	9.4	94	71-128	
1,4-Dichlorobenzene	ppbv	10	13.0	130	72-131	
Benzene	ppbv	10	11.6	116	69-134	
Bromomethane	ppbv	10	8.4	84	69-125	
Carbon tetrachloride	ppbv	10	12.1	121	68-128	
Chlorobenzene	ppbv	10	11.6	116	75-128	
Chloroethane	ppbv	10	8.5	85	66-131	
Chloroform	ppbv	10	11.1	111	68-132	
Chloromethane	ppbv	10	10.9	109	60-139	
cis-1,2-Dichloroethene	ppbv	10	11.7	117	73-130	
cis-1,3-Dichloropropene	ppbv	10	8.9	89	74-134	
Dichlorodifluoromethane	ppbv	10	10.9	109	67-131	
Dichlorotetrafluoroethane	ppbv	10	10.9	109	66-130	
Ethylbenzene	ppbv	10	9.0	90	69-139	
Hexachloro-1,3-butadiene	ppbv	10	18.9	189	41-150	L3
m&p-Xylene	ppbv	20	18.3	91	66-137	
Methylene Chloride	ppbv	10	10.2	102	73-134	
o-Xylene	ppbv	10	9.2	92	69-138	
Styrene	ppbv	10	9.0	90	72-132	
Tetrachloroethene	ppbv	10	12.0	120	70-130	
THC as Gas	ppbv	700	771	110	66-131	
Toluene	ppbv	10	12.3	123	71-132	
trans-1,2-Dichloroethene	ppbv	10	11.2	112	72-128	
trans-1,3-Dichloropropene	ppbv	10	9.0	90	73-130	
Trichloroethene	ppbv	10	11.9	119	72-131	
Trichlorofluoromethane	ppbv	10	10.9	109	66-129	
Vinyl chloride	ppbv	10	11.1	111	70-131	

SAMPLE DUPLICATE: 1137999

Parameter	Units	3061964003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	ND		
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		
1,1,2-Trichloroethane	ppbv	ND	ND		

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3061964

SAMPLE DUPLICATE: 1137999

Parameter	Units	3061964003 Result	Dup Result	RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		
1,1-Dichloroethane	ppbv	ND	ND		
1,1-Dichloroethene	ppbv	ND	ND		
1,2,4-Trichlorobenzene	ppbv	ND	ND		
1,2,4-Trimethylbenzene	ppbv	ND	ND		
1,2-Dibromoethane (EDB)	ppbv	ND	ND		
1,2-Dichlorobenzene	ppbv	ND	ND		
1,2-Dichloroethane	ppbv	ND	ND		
1,2-Dichloropropane	ppbv	ND	ND		
1,3,5-Trimethylbenzene	ppbv	ND	ND		
1,3-Dichlorobenzene	ppbv	ND	ND		
1,4-Dichlorobenzene	ppbv	ND	ND		
Benzene	ppbv	ND	ND		
Bromomethane	ppbv	ND	ND		
Carbon tetrachloride	ppbv	ND	ND		
Chlorobenzene	ppbv	ND	ND		
Chloroethane	ppbv	ND	ND		
Chloroform	ppbv	ND	ND		
Chloromethane	ppbv	ND	ND		
cis-1,2-Dichloroethene	ppbv	15800	14200	11	
cis-1,3-Dichloropropene	ppbv	ND	ND		
Dichlorodifluoromethane	ppbv	1340	1240	8	
Dichlorotetrafluoroethane	ppbv	ND	ND		
Ethylbenzene	ppbv	ND	ND		
Hexachloro-1,3-butadiene	ppbv	ND	ND		
m&p-Xylene	ppbv	ND	ND		
Methylene Chloride	ppbv	ND	ND		
o-Xylene	ppbv	ND	ND		
Styrene	ppbv	ND	ND		
Tetrachloroethene	ppbv	ND	ND		
THC as Gas	ppbv	215000	204000	5	
Toluene	ppbv	1910	1940	2	
trans-1,2-Dichloroethene	ppbv	ND	ND		
trans-1,3-Dichloropropene	ppbv	ND	ND		
Trichloroethene	ppbv	ND	ND		
Trichlorofluoromethane	ppbv	ND	ND		
Vinyl chloride	ppbv	26300	23500	11	

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QUALIFIERS

Project: FF/NN Landfill
Pace Project No.: 3061964

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

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.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FF/NN Landfill
Pace Project No.: 3061964

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3061964001	**LC-1**	TO-14 Ambient Air	AIR/14196		
3061964002	**LC-2**	TO-14 Ambient Air	AIR/14196		
3061964003	**LC-3**	TO-14 Ambient Air	AIR/14196		
3061964004	**GV-6**	TO-14 Ambient Air	AIR/14196		
3061964005	**GP-3**	TO-14 Ambient Air	AIR/14196		

30619 64

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

05373 Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Tetratech/Geo	Report To: Mike Noel	Attention: Nelson Olavarria Pace Pittsburgh
Address: 175 Corporate Dr Suite 100 Brookfield WI	Copy To: NelsonOlaverria Cooper Industries	Company Name: Cooper Industries
Email To:	Purchase Order No.: Houston TX	Address: Houston TX
Phone: 262-792-1282 Fax:	Project Name: FF/NN Landfill	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 1011.05.09	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

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 Required Client Information: AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START DATE (ENDGRAB 2012)	COLLECTED: COMPOSITE START TIME	COMPOSITE END DATE (2012)	COMPOSITE END TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14 39 VOCs	TO-15	TO15 Short List*	Pace Lab ID
	LC-1	1LC		1.25	0703	1.25	0804	-30	0	20603								✓			
	LC-2	1LC		1.25	0649	1.25	0754	-30	0	7566								✓			
	LC-3 0647-0747	1LC		1.25	0645	1.25	0745	-30	-2	13277								✓			
	GV-6	1LC		1.25	0701	1.25	0802	-29	0	17933								✓			
	GP-3	1LC		1.25	0645	1.25	0745	-30	0	11488								✓			

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jack Wendler	1.25.12	0853	Jeff Fisher Pace	1.26.12	0955

SAMPLE CONDITIONS

	Temp in °C	Received on ice	Custody Sealed Cooler	Samples Intact
		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: DATE Signed (MM / DD / YY): 1.25.12

ORIGINAL

Pace Analytical™

AIR Sample Condition Upon Receipt

Client Name: TETRATECH/GEO Project #_____

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other_____

Tracking #: 8726 5385 3132

Comments:

Date and Initials of person examining contents: 1-26-12 JK

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.
Media: HAR (CAW)		11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.

Samples Received: 5 CANS 5 FC'S

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	2003		FC0256				
LC-2	0758		FC0237				
LC-3	1823		FC0373				
GV-6	1793		FC0225				
GP-3	1148		FC0028				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** _____

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

February 16, 2012

Tim Reed
Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2,3, & 4
Greensburg, PA 15601

RE: Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Dear Tim Reed:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
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

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SAMPLE SUMMARY

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3062967001	MW-3A	Water	01/23/12 11:00	01/26/12 09:20
3062967002	MW-3B	Water	01/23/12 11:20	01/26/12 09:20
3062967003	P-111D	Water	01/23/12 12:15	01/26/12 09:20
3062967004	P-107D	Water	01/23/12 12:45	01/26/12 09:20
3062967005	P-115	Water	01/23/12 13:20	01/26/12 09:20
3062967006	P-114	Water	01/23/12 13:45	01/26/12 09:20
3062967007	P-114 DUP	Water	01/23/12 13:50	01/26/12 09:20
3062967008	P-116	Water	01/23/12 14:30	01/26/12 09:20
3062967009	P-113A	Water	01/23/12 15:10	01/26/12 09:20
3062967010	P-113B	Water	01/23/12 15:25	01/26/12 09:20
3062967011	P-103D	Water	01/24/12 11:20	01/26/12 09:20
3062967014	P-103	Water	01/24/12 11:45	01/26/12 09:20
3062967015	MW-103	Water	01/24/12 11:55	01/26/12 09:20
3062967016	MW-112	Water	01/24/12 12:10	01/26/12 09:20
3062967017	TRIP BLANK	Water	01/24/12 00:00	01/26/12 09:20

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SAMPLE ANALYTE COUNT

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3062967001	MW-3A	EPA 8260	HNW	45	PASI-G
3062967002	MW-3B	EPA 8260	HNW	45	PASI-G
3062967003	P-111D	EPA 8260	HNW	45	PASI-G
3062967004	P-107D	EPA 8260	HNW	45	PASI-G
3062967005	P-115	EPA 8260	HNW	45	PASI-G
3062967006	P-114	EPA 8260	HNW	45	PASI-G
3062967007	P-114 DUP	EPA 8260	HNW	45	PASI-G
3062967008	P-116	EPA 8260	HNW	45	PASI-G
3062967009	P-113A	EPA 8260	HNW	45	PASI-G
3062967010	P-113B	EPA 8260	HNW	45	PASI-G
3062967011	P-103D	EPA 8260	JJB	45	PASI-G
3062967014	P-103	EPA 8260	JJB	45	PASI-G
3062967015	MW-103	EPA 8260	JJB	45	PASI-G
3062967016	MW-112	EPA 8260	JJB	45	PASI-G
3062967017	TRIP BLANK	EPA 8260	JJB	45	PASI-G

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: MW-3A **Lab ID: 3062967001** Collected: 01/23/12 11:00 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 10:22	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 10:22	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 10:22	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 10:22	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 10:22	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 10:22	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 10:22	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 10:22	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 10:22	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 10:22	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 10:22	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 10:22	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 10:22	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 10:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 10:22	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 10:22	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 10:22	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 10:22	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 10:22	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 10:22	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 10:22	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 10:22	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 10:22	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 10:22	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 10:22	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 10:22	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 10:22	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 10:22	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 10:22	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 10:22	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 10:22	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 10:22	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 10:22	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 10:22	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 10:22	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 10:22	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 10:22	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 10:22	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 10:22	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 10:22	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 10:22	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 10:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%.	70-130		1		01/27/12 10:22	460-00-4	
Dibromofluoromethane (S)	97	%.	70-130		1		01/27/12 10:22	1868-53-7	
Toluene-d8 (S)	91	%.	70-130		1		01/27/12 10:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: MW-3B **Lab ID: 3062967002** Collected: 01/23/12 11:20 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 12:37	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:37	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:37	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 12:37	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 12:37	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 12:37	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 12:37	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:37	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:37	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 12:37	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 12:37	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 12:37	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:37	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 12:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:37	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 12:37	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 12:37	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 12:37	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 12:37	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 12:37	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 12:37	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 12:37	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 12:37	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 12:37	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 12:37	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:37	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 12:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 12:37	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 12:37	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 12:37	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 12:37	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 12:37	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 12:37	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 12:37	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:37	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 12:37	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 12:37	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 12:37	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 12:37	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 12:37	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 12:37	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 12:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%.	70-130		1		01/27/12 12:37	460-00-4	
Dibromofluoromethane (S)	95	%.	70-130		1		01/27/12 12:37	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 12:37	2037-26-5	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-111D **Lab ID: 3062967003** Collected: 01/23/12 12:15 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 12:59	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:59	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:59	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 12:59	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 12:59	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 12:59	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 12:59	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:59	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:59	108-90-7	
Chloroethane	**2.0**	ug/L	1.0	0.97	1		01/27/12 12:59	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 12:59	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 12:59	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:59	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 12:59	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:59	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 12:59	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 12:59	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 12:59	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 12:59	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 12:59	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 12:59	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 12:59	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 12:59	75-35-4	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.83	1		01/27/12 12:59	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 12:59	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:59	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 12:59	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 12:59	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 12:59	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 12:59	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 12:59	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 12:59	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 12:59	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 12:59	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:59	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 12:59	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 12:59	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 12:59	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 12:59	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 12:59	75-69-4	
Vinyl chloride	**4.3**	ug/L	1.0	0.18	1		01/27/12 12:59	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 12:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%.	70-130		1		01/27/12 12:59	460-00-4	
Dibromofluoromethane (S)	97	%.	70-130		1		01/27/12 12:59	1868-53-7	
Toluene-d8 (S)	91	%.	70-130		1		01/27/12 12:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-107D **Lab ID: 3062967004** Collected: 01/23/12 12:45 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 13:21	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:21	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:21	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 13:21	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 13:21	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 13:21	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 13:21	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:21	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:21	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 13:21	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 13:21	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 13:21	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:21	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 13:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:21	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 13:21	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:21	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 13:21	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 13:21	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 13:21	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 13:21	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 13:21	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 13:21	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:21	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 13:21	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:21	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 13:21	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 13:21	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 13:21	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 13:21	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 13:21	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 13:21	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 13:21	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 13:21	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:21	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 13:21	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 13:21	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 13:21	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 13:21	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 13:21	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 13:21	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 13:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%.	70-130		1		01/27/12 13:21	460-00-4	
Dibromofluoromethane (S)	95	%.	70-130		1		01/27/12 13:21	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 13:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-115 **Lab ID: 3062967005** Collected: 01/23/12 13:20 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 13:44	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:44	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:44	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 13:44	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 13:44	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 13:44	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 13:44	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:44	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:44	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 13:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 13:44	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 13:44	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:44	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 13:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:44	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 13:44	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:44	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 13:44	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 13:44	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 13:44	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 13:44	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 13:44	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 13:44	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:44	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 13:44	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:44	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 13:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 13:44	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 13:44	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 13:44	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 13:44	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 13:44	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 13:44	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 13:44	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:44	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 13:44	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 13:44	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 13:44	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 13:44	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 13:44	75-69-4	
Vinyl chloride	**0.77J**	ug/L	1.0	0.18	1		01/27/12 13:44	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 13:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%.	70-130		1		01/27/12 13:44	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130		1		01/27/12 13:44	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 13:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-114 **Lab ID: 3062967006** Collected: 01/23/12 13:45 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:06	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:06	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:06	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:06	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:06	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:06	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:06	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:06	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:06	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:06	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:06	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:06	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:06	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:06	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:06	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:06	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:06	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:06	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:06	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:06	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:06	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:06	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.83	1		01/27/12 14:06	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:06	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:06	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:06	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:06	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:06	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:06	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:06	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:06	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:06	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:06	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:06	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:06	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:06	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 14:06	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:06	75-69-4	
Vinyl chloride	**5.0**	ug/L	1.0	0.18	1		01/27/12 14:06	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%.	70-130		1		01/27/12 14:06	460-00-4	
Dibromofluoromethane (S)	95	%.	70-130		1		01/27/12 14:06	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 14:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-114 DUP **Lab ID: 3062967007** Collected: 01/23/12 13:50 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:29	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:29	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:29	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:29	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:29	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:29	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:29	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:29	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:29	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:29	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:29	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:29	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:29	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:29	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:29	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:29	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:29	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:29	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:29	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:29	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:29	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:29	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.83	1		01/27/12 14:29	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:29	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:29	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:29	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:29	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:29	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:29	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:29	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:29	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:29	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:29	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:29	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:29	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:29	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 14:29	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:29	75-69-4	
Vinyl chloride	**5.1**	ug/L	1.0	0.18	1		01/27/12 14:29	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%.	70-130		1		01/27/12 14:29	460-00-4	
Dibromofluoromethane (S)	97	%.	70-130		1		01/27/12 14:29	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-116 **Lab ID: 3062967008** Collected: 01/23/12 14:30 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:51	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:51	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:51	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:51	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:51	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:51	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:51	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:51	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:51	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:51	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:51	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:51	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:51	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:51	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:51	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:51	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:51	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:51	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:51	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:51	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:51	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:51	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:51	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:51	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:51	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:51	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:51	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:51	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:51	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:51	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:51	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:51	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:51	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:51	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:51	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 14:51	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:51	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 14:51	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%.	70-130		1		01/27/12 14:51	460-00-4	
Dibromofluoromethane (S)	98	%.	70-130		1		01/27/12 14:51	1868-53-7	
Toluene-d8 (S)	90	%.	70-130		1		01/27/12 14:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-113A **Lab ID: 3062967009** Collected: 01/23/12 15:10 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 15:14	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 15:14	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 15:14	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 15:14	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 15:14	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 15:14	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 15:14	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 15:14	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 15:14	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 15:14	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 15:14	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 15:14	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 15:14	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 15:14	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 15:14	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 15:14	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 15:14	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 15:14	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 15:14	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 15:14	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 15:14	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 15:14	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 15:14	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 15:14	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 15:14	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 15:14	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 15:14	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 15:14	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 15:14	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 15:14	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 15:14	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 15:14	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 15:14	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 15:14	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 15:14	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 15:14	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 15:14	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 15:14	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 15:14	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 15:14	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 15:14	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 15:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	87	%.	70-130		1		01/27/12 15:14	460-00-4	
Dibromofluoromethane (S)	96	%.	70-130		1		01/27/12 15:14	1868-53-7	
Toluene-d8 (S)	89	%.	70-130		1		01/27/12 15:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-113B **Lab ID: 3062967010** Collected: 01/23/12 15:25 Received: 01/26/12 09:20 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-103D **Lab ID: 3062967011** Collected: 01/24/12 11:20 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 12:35	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:35	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:35	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 12:35	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 12:35	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 12:35	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 12:35	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:35	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 12:35	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 12:35	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 12:35	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 12:35	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:35	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 12:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 12:35	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 12:35	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 12:35	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 12:35	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 12:35	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 12:35	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 12:35	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 12:35	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 12:35	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 12:35	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 12:35	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 12:35	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 12:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 12:35	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 12:35	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 12:35	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 12:35	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 12:35	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 12:35	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 12:35	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 12:35	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 12:35	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 12:35	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 12:35	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 12:35	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 12:35	75-69-4	
Vinyl chloride	**0.73J**	ug/L	1.0	0.18	1		01/27/12 12:35	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 12:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%.	70-130		1		01/27/12 12:35	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130		1		01/27/12 12:35	1868-53-7	
Toluene-d8 (S)	99	%.	70-130		1		01/27/12 12:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: P-103 **Lab ID: 3062967014** Collected: 01/24/12 11:45 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:07	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:07	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:07	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:07	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:07	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:07	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:07	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:07	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:07	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:07	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:07	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:07	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:07	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:07	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:07	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:07	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:07	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:07	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:07	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:07	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:07	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:07	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:07	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:07	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:07	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:07	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:07	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:07	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:07	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:07	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:07	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:07	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:07	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:07	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:07	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:07	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 14:07	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:07	75-69-4	
Vinyl chloride	**0.28J**	ug/L	1.0	0.18	1		01/27/12 14:07	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%.	70-130		1		01/27/12 14:07	460-00-4	
Dibromofluoromethane (S)	93	%.	70-130		1		01/27/12 14:07	1868-53-7	
Toluene-d8 (S)	98	%.	70-130		1		01/27/12 14:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: MW-103 **Lab ID: 3062967015** Collected: 01/24/12 11:55 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:29	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:29	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:29	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:29	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:29	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:29	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:29	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:29	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:29	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:29	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:29	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:29	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:29	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:29	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:29	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:29	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:29	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:29	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:29	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:29	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:29	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:29	75-35-4	
cis-1,2-Dichloroethene	**3.2**	ug/L	1.0	0.83	1		01/27/12 14:29	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:29	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:29	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:29	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:29	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:29	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:29	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:29	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:29	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:29	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:29	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:29	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:29	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:29	79-00-5	
Trichloroethene	**2.6**	ug/L	1.0	0.48	1		01/27/12 14:29	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:29	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 14:29	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%.	70-130		1		01/27/12 14:29	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130		1		01/27/12 14:29	1868-53-7	
Toluene-d8 (S)	99	%.	70-130		1		01/27/12 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: MW-112 **Lab ID: 3062967016** Collected: 01/24/12 12:10 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 14:52	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:52	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:52	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 14:52	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 14:52	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 14:52	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 14:52	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:52	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 14:52	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 14:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 14:52	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 14:52	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:52	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 14:52	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 14:52	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 14:52	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:52	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 14:52	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 14:52	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 14:52	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 14:52	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 14:52	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 14:52	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 14:52	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 14:52	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 14:52	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 14:52	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 14:52	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 14:52	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 14:52	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 14:52	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 14:52	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 14:52	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 14:52	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 14:52	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 14:52	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 14:52	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 14:52	79-00-5	
Trichloroethene	**0.76J**	ug/L	1.0	0.48	1		01/27/12 14:52	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 14:52	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 14:52	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 14:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		1		01/27/12 14:52	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130		1		01/27/12 14:52	1868-53-7	
Toluene-d8 (S)	100	%.	70-130		1		01/27/12 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Sample: TRIP BLANK **Lab ID: 3062967017** Collected: 01/24/12 00:00 Received: 01/26/12 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**<5.0**	ug/L	20.0	5.0	1		01/27/12 13:21	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:21	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:21	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		01/27/12 13:21	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		01/27/12 13:21	74-83-9	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		01/27/12 13:21	78-93-3	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		01/27/12 13:21	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:21	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		01/27/12 13:21	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		01/27/12 13:21	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		01/27/12 13:21	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		01/27/12 13:21	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:21	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		01/27/12 13:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		01/27/12 13:21	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		01/27/12 13:21	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:21	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		01/27/12 13:21	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		01/27/12 13:21	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		01/27/12 13:21	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		01/27/12 13:21	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		01/27/12 13:21	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		01/27/12 13:21	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		01/27/12 13:21	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		01/27/12 13:21	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		01/27/12 13:21	78-87-5	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		01/27/12 13:21	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		01/27/12 13:21	10061-02-6	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		01/27/12 13:21	100-41-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		01/27/12 13:21	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		01/27/12 13:21	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		01/27/12 13:21	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		01/27/12 13:21	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		01/27/12 13:21	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		01/27/12 13:21	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		01/27/12 13:21	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		01/27/12 13:21	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		01/27/12 13:21	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		01/27/12 13:21	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		01/27/12 13:21	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/27/12 13:21	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		01/27/12 13:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%.	70-130		1		01/27/12 13:21	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130		1		01/27/12 13:21	1868-53-7	
Toluene-d8 (S)	100	%.	70-130		1		01/27/12 13:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

QC Batch: MSV/13944 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3062967001, 3062967002, 3062967003, 3062967004, 3062967005, 3062967006, 3062967007, 3062967008, 3062967009, 3062967010

METHOD BLANK: 561051 Matrix: Water
Associated Lab Samples: 3062967001, 3062967002, 3062967003, 3062967004, 3062967005, 3062967006, 3062967007, 3062967008, 3062967009, 3062967010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	01/27/12 08:07	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	01/27/12 08:07	
1,1-Dichloroethane	ug/L	<0.75	1.0	01/27/12 08:07	
1,1-Dichloroethene	ug/L	<0.57	1.0	01/27/12 08:07	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	01/27/12 08:07	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	01/27/12 08:07	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	01/27/12 08:07	
1,2-Dichloroethane	ug/L	<0.36	1.0	01/27/12 08:07	
1,2-Dichloropropane	ug/L	<0.49	1.0	01/27/12 08:07	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	01/27/12 08:07	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	01/27/12 08:07	
2-Butanone (MEK)	ug/L	<4.3	20.0	01/27/12 08:07	
Acetone	ug/L	<5.0	20.0	01/27/12 08:07	
Benzene	ug/L	<0.41	1.0	01/27/12 08:07	
Bromodichloromethane	ug/L	<0.56	1.0	01/27/12 08:07	
Bromoform	ug/L	<0.94	1.0	01/27/12 08:07	
Bromomethane	ug/L	<0.91	1.0	01/27/12 08:07	
Carbon disulfide	ug/L	<0.66	1.0	01/27/12 08:07	
Carbon tetrachloride	ug/L	<0.49	1.0	01/27/12 08:07	
Chlorobenzene	ug/L	<0.41	1.0	01/27/12 08:07	
Chloroethane	ug/L	<0.97	1.0	01/27/12 08:07	
Chloroform	ug/L	<1.3	5.0	01/27/12 08:07	
Chloromethane	ug/L	<0.24	1.0	01/27/12 08:07	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	01/27/12 08:07	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	01/27/12 08:07	
Dibromochloromethane	ug/L	<0.81	1.0	01/27/12 08:07	
Dibromomethane	ug/L	<0.60	1.0	01/27/12 08:07	
Dichlorodifluoromethane	ug/L	<0.99	1.0	01/27/12 08:07	
Ethylbenzene	ug/L	<0.54	1.0	01/27/12 08:07	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	01/27/12 08:07	
Methylene Chloride	ug/L	<0.43	1.0	01/27/12 08:07	
Naphthalene	ug/L	<0.89	5.0	01/27/12 08:07	
Styrene	ug/L	<0.86	1.0	01/27/12 08:07	
Tetrachloroethene	ug/L	<0.45	1.0	01/27/12 08:07	
Tetrahydrofuran	ug/L	<1.7	5.0	01/27/12 08:07	
Toluene	ug/L	<0.67	1.0	01/27/12 08:07	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	01/27/12 08:07	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	01/27/12 08:07	
Trichloroethene	ug/L	<0.48	1.0	01/27/12 08:07	
Trichlorofluoromethane	ug/L	<0.79	1.0	01/27/12 08:07	
Vinyl chloride	ug/L	<0.18	1.0	01/27/12 08:07	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

METHOD BLANK: 561051 Matrix: Water

Associated Lab Samples: 3062967001, 3062967002, 3062967003, 3062967004, 3062967005, 3062967006, 3062967007, 3062967008, 3062967009, 3062967010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Xylene (Total)	ug/L	<2.6	3.0	01/27/12 08:07	
4-Bromofluorobenzene (S)	%.	92	70-130	01/27/12 08:07	
Dibromofluoromethane (S)	%.	93	70-130	01/27/12 08:07	
Toluene-d8 (S)	%.	92	70-130	01/27/12 08:07	

LABORATORY CONTROL SAMPLE & LCSD: 561052 561053

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	58.0	58.8	116	118	70-133	1	20	
1,1,2-Trichloroethane	ug/L	50	50.0	47.0	100	94	70-130	6	20	
1,1-Dichloroethane	ug/L	50	49.9	50.6	100	101	70-130	1	20	
1,1-Dichloroethene	ug/L	50	49.7	52.1	99	104	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	43.1	87	86	50-150	.3	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	49.3	101	99	70-130	3	20	
1,2-Dichlorobenzene	ug/L	50	50.0	50.3	100	101	70-130	.7	20	
1,2-Dichloroethane	ug/L	50	55.0	54.4	110	109	70-145	1	20	
1,2-Dichloropropane	ug/L	50	50.3	48.6	101	97	70-130	3	20	
1,3-Dichlorobenzene	ug/L	50	50.1	49.7	100	99	70-130	.8	20	
1,4-Dichlorobenzene	ug/L	50	52.0	51.5	104	103	70-130	1	20	
2-Butanone (MEK)	ug/L	50	45.7	43.0	91	86	50-150	6	20	
Acetone	ug/L	50	47.8	47.7	96	95	50-150	.2	20	
Benzene	ug/L	50	48.7	49.1	97	98	70-130	.8	20	
Bromodichloromethane	ug/L	50	58.4	55.8	117	112	70-130	5	20	
Bromoform	ug/L	50	52.5	51.4	105	103	70-130	2	20	
Bromomethane	ug/L	50	46.3	55.3	93	111	52-155	18	20	
Carbon disulfide	ug/L	50	50.4	50.9	101	102	70-130	1	20	
Carbon tetrachloride	ug/L	50	63.0	63.5	126	127	70-153	.8	20	
Chlorobenzene	ug/L	50	51.9	51.3	104	103	70-130	1	20	
Chloroethane	ug/L	50	51.3	51.4	103	103	70-130	.2	20	
Chloroform	ug/L	50	54.1	53.5	108	107	70-130	1	20	
Chloromethane	ug/L	50	48.3	50.1	97	100	50-130	4	20	
cis-1,2-Dichloroethene	ug/L	50	49.9	50.5	100	101	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	50	55.0	55.6	110	111	70-130	1	20	
Dibromochloromethane	ug/L	50	59.0	58.7	118	117	70-130	.6	20	
Dichlorodifluoromethane	ug/L	50	57.1	56.5	114	113	50-150	1	20	
Ethylbenzene	ug/L	50	51.5	50.9	103	102	70-130	1	20	
Methyl-tert-butyl ether	ug/L	50	49.4	49.3	99	99	70-130	.2	20	
Methylene Chloride	ug/L	50	49.1	48.7	98	97	70-130	.8	20	
Styrene	ug/L	50	51.6	51.7	103	103	70-130	.2	20	
Tetrachloroethene	ug/L	50	53.7	54.5	107	109	70-130	1	20	
Toluene	ug/L	50	51.4	51.6	103	103	70-130	.4	20	
trans-1,2-Dichloroethene	ug/L	50	51.8	52.6	104	105	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	50	49.1	48.8	98	98	70-130	.6	20	
Trichloroethene	ug/L	50	55.1	54.4	110	109	70-130	1	20	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

LABORATORY CONTROL SAMPLE & LCSD: 561052 561053

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Trichlorofluoromethane	ug/L	50	60.2	60.9	120	122	50-150	1	20	
Vinyl chloride	ug/L	50	50.8	51.4	102	103	66-130	1	20	
Xylene (Total)	ug/L	150	157	158	105	105	70-130	.2	20	
4-Bromofluorobenzene (S)	%.				90	92	70-130			
Dibromofluoromethane (S)	%.				93	94	70-130			
Toluene-d8 (S)	%.				92	91	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561076 561077

Parameter	Units	3062967001 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	56.7	56.8	113	114	70-133	.1	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	47.4	46.7	95	93	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	49.5	48.5	99	97	70-133	2	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	48.3	50.2	97	100	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	42.7	43.9	85	88	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.56	50	50	49.0	49.6	98	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.83	50	50	49.5	49.3	99	99	70-130	.4	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	52.6	53.9	105	108	70-145	2	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	48.0	48.2	96	96	70-130	.4	20	
1,3-Dichlorobenzene	ug/L	<0.87	50	50	49.8	50.0	100	100	70-130	.3	20	
1,4-Dichlorobenzene	ug/L	<0.95	50	50	50.3	49.9	101	100	70-130	.8	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	42.1	41.1	84	82	50-150	2	20	
Acetone	ug/L	<5.0	50	50	40.1	43.4	80	87	50-150	8	20	
Benzene	ug/L	<0.41	50	50	48.4	47.9	97	96	70-130	1	20	
Bromodichloromethane	ug/L	<0.56	50	50	54.3	55.6	109	111	70-130	2	20	
Bromoform	ug/L	<0.94	50	50	50.6	51.6	101	103	70-130	2	20	
Bromomethane	ug/L	<0.91	50	50	49.7	44.3	99	89	52-155	11	20	
Carbon disulfide	ug/L	<0.66	50	50	49.3	49.9	98	99	61-131	1	24	
Carbon tetrachloride	ug/L	<0.49	50	50	62.1	62.7	124	125	70-158	1	20	
Chlorobenzene	ug/L	<0.41	50	50	50.6	50.6	101	101	70-130	.03	20	
Chloroethane	ug/L	<0.97	50	50	56.0	53.0	112	106	70-130	6	20	
Chloroform	ug/L	<1.3	50	50	52.1	52.5	104	105	70-130	.9	20	
Chloromethane	ug/L	<0.24	50	50	49.8	48.8	100	98	46-130	2	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	48.5	47.7	97	95	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	53.6	54.4	107	109	70-130	2	20	
Dibromochloromethane	ug/L	<0.81	50	50	57.0	58.4	114	117	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.99	50	50	55.2	54.6	110	109	50-150	1	20	
Ethylbenzene	ug/L	<0.54	50	50	49.9	50.7	100	101	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.61	50	50	47.5	49.9	95	100	70-130	5	20	
Methylene Chloride	ug/L	<0.43	50	50	48.3	47.0	97	94	70-130	3	20	
Styrene	ug/L	<0.86	50	50	50.3	51.0	101	102	19-157	1	20	
Tetrachloroethene	ug/L	<0.45	50	50	53.6	54.2	107	108	70-130	1	20	
Toluene	ug/L	<0.67	50	50	50.2	50.0	100	100	70-130	.3	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	51.0	51.2	102	102	70-130	.3	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	48.0	49.3	96	99	70-130	3	20	
Trichloroethene	ug/L	<0.48	50	50	53.5	53.3	107	107	70-130	.5	20	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561076 561077

Parameter	Units	3062967001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.79	50	50	57.6	57.8	115	116	50-150	.4	20	
Vinyl chloride	ug/L	<0.18	50	50	49.5	48.7	99	97	62-130	2	20	
Xylene (Total)	ug/L	<2.6	150	150	153	153	102	102	70-130	.1	20	
4-Bromofluorobenzene (S)	%.						93	91	70-130			
Dibromofluoromethane (S)	%.						95	95	70-130			
Toluene-d8 (S)	%.						90	89	70-130			

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

QC Batch: MSV/13946 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3062967011, 3062967014, 3062967015, 3062967016, 3062967017

METHOD BLANK: 561059 Matrix: Water
Associated Lab Samples: 3062967011, 3062967014, 3062967015, 3062967016, 3062967017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	01/27/12 09:10	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	01/27/12 09:10	
1,1-Dichloroethane	ug/L	<0.75	1.0	01/27/12 09:10	
1,1-Dichloroethene	ug/L	<0.57	1.0	01/27/12 09:10	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	01/27/12 09:10	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	01/27/12 09:10	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	01/27/12 09:10	
1,2-Dichloroethane	ug/L	<0.36	1.0	01/27/12 09:10	
1,2-Dichloropropane	ug/L	<0.49	1.0	01/27/12 09:10	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	01/27/12 09:10	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	01/27/12 09:10	
2-Butanone (MEK)	ug/L	<4.3	20.0	01/27/12 09:10	
Acetone	ug/L	<5.0	20.0	01/27/12 09:10	
Benzene	ug/L	<0.41	1.0	01/27/12 09:10	
Bromodichloromethane	ug/L	<0.56	1.0	01/27/12 09:10	
Bromoform	ug/L	<0.94	1.0	01/27/12 09:10	
Bromomethane	ug/L	<0.91	1.0	01/27/12 09:10	
Carbon disulfide	ug/L	<0.66	1.0	01/27/12 09:10	
Carbon tetrachloride	ug/L	<0.49	1.0	01/27/12 09:10	
Chlorobenzene	ug/L	<0.41	1.0	01/27/12 09:10	
Chloroethane	ug/L	<0.97	1.0	01/27/12 09:10	
Chloroform	ug/L	<1.3	5.0	01/27/12 09:10	
Chloromethane	ug/L	<0.24	1.0	01/27/12 09:10	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	01/27/12 09:10	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	01/27/12 09:10	
Dibromochloromethane	ug/L	<0.81	1.0	01/27/12 09:10	
Dibromomethane	ug/L	<0.60	1.0	01/27/12 09:10	
Dichlorodifluoromethane	ug/L	<0.99	1.0	01/27/12 09:10	
Ethylbenzene	ug/L	<0.54	1.0	01/27/12 09:10	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	01/27/12 09:10	
Methylene Chloride	ug/L	<0.43	1.0	01/27/12 09:10	
Naphthalene	ug/L	<0.89	5.0	01/27/12 09:10	
Styrene	ug/L	<0.86	1.0	01/27/12 09:10	
Tetrachloroethene	ug/L	<0.45	1.0	01/27/12 09:10	
Tetrahydrofuran	ug/L	<1.7	5.0	01/27/12 09:10	
Toluene	ug/L	<0.67	1.0	01/27/12 09:10	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	01/27/12 09:10	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	01/27/12 09:10	
Trichloroethene	ug/L	<0.48	1.0	01/27/12 09:10	
Trichlorofluoromethane	ug/L	<0.79	1.0	01/27/12 09:10	
Vinyl chloride	ug/L	<0.18	1.0	01/27/12 09:10	
Xylene (Total)	ug/L	<2.6	3.0	01/27/12 09:10	
4-Bromofluorobenzene (S)	%.	93	70-130	01/27/12 09:10	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

METHOD BLANK: 561059 Matrix: Water

Associated Lab Samples: 3062967011, 3062967014, 3062967015, 3062967016, 3062967017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromofluoromethane (S)	%.	94	70-130	01/27/12 09:10	
Toluene-d8 (S)	%.	99	70-130	01/27/12 09:10	

LABORATORY CONTROL SAMPLE & LCSD: 561060 561061

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	52.0	52.7	104	105	70-133	1	20	
1,1,2-Trichloroethane	ug/L	50	50.1	50.5	100	101	70-130	.9	20	
1,1-Dichloroethane	ug/L	50	48.0	47.9	96	96	70-130	.1	20	
1,1-Dichloroethene	ug/L	50	48.5	48.5	97	97	70-130	.06	20	
1,2-Dibromo-3-chloropropane	ug/L	50	37.8	39.8	76	80	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	50.2	102	100	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	51.5	52.1	103	104	70-130	1	20	
1,2-Dichloroethane	ug/L	50	49.2	49.4	98	99	70-145	.4	20	
1,2-Dichloropropane	ug/L	50	50.7	52.6	101	105	70-130	4	20	
1,3-Dichlorobenzene	ug/L	50	51.6	51.5	103	103	70-130	.1	20	
1,4-Dichlorobenzene	ug/L	50	51.6	52.4	103	105	70-130	2	20	
2-Butanone (MEK)	ug/L	50	48.0	45.4	96	91	50-150	5	20	
Acetone	ug/L	50	52.5	42.4	105	85	50-150	21	20	D6
Benzene	ug/L	50	49.1	49.1	98	98	70-130	.0008	20	
Bromodichloromethane	ug/L	50	45.8	47.3	92	95	70-130	3	20	
Bromoform	ug/L	50	48.3	48.8	97	98	70-130	1	20	
Bromomethane	ug/L	50	47.7	49.7	95	99	52-155	4	20	
Carbon disulfide	ug/L	50	50.0	50.3	100	101	70-130	.6	20	
Carbon tetrachloride	ug/L	50	56.4	57.3	113	115	70-153	2	20	
Chlorobenzene	ug/L	50	51.9	52.0	104	104	70-130	.1	20	
Chloroethane	ug/L	50	51.5	51.6	103	103	70-130	.3	20	
Chloroform	ug/L	50	50.3	50.6	101	101	70-130	.6	20	
Chloromethane	ug/L	50	45.9	46.3	92	93	50-130	.7	20	
cis-1,2-Dichloroethene	ug/L	50	48.2	49.0	96	98	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	55.3	56.9	111	114	70-130	3	20	
Dibromochloromethane	ug/L	50	50.5	51.3	101	103	70-130	2	20	
Dichlorodifluoromethane	ug/L	50	47.0	46.9	94	94	50-150	.1	20	
Ethylbenzene	ug/L	50	53.6	53.2	107	106	70-130	.7	20	
Methyl-tert-butyl ether	ug/L	50	45.7	45.9	91	92	70-130	.4	20	
Methylene Chloride	ug/L	50	47.7	47.9	95	96	70-130	.3	20	
Styrene	ug/L	50	56.0	55.0	112	110	70-130	2	20	
Tetrachloroethene	ug/L	50	54.3	53.6	109	107	70-130	1	20	
Toluene	ug/L	50	51.9	51.8	104	104	70-130	.3	20	
trans-1,2-Dichloroethene	ug/L	50	48.3	49.5	97	99	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	50	43.0	43.6	86	87	70-130	1	20	
Trichloroethene	ug/L	50	53.6	54.5	107	109	70-130	2	20	
Trichlorofluoromethane	ug/L	50	51.6	50.4	103	101	50-150	2	20	
Vinyl chloride	ug/L	50	48.2	49.4	96	99	66-130	2	20	
Xylene (Total)	ug/L	150	166	165	110	110	70-130	.4	20	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

LABORATORY CONTROL SAMPLE & LCSD: 561060 561061

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.				98	97	70-130			
Dibromofluoromethane (S)	%.				96	95	70-130			
Toluene-d8 (S)	%.				100	99	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561062 561063

Parameter	Units	3062967011 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	52.5	52.6	105	105	70-133	.2	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	48.8	50.4	98	101	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	47.2	47.5	94	95	70-133	.6	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	49.3	49.2	99	98	70-130	.3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	39.2	39.1	78	78	50-150	.2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.56	50	50	50.0	50.6	100	101	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.83	50	50	50.7	51.9	101	104	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	49.0	49.2	98	98	70-145	.5	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	49.6	51.5	99	103	70-130	4	20	
1,3-Dichlorobenzene	ug/L	<0.87	50	50	50.3	50.9	101	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.95	50	50	50.6	51.3	101	103	70-130	1	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	42.4	48.4	85	97	50-150	13	20	
Acetone	ug/L	<5.0	50	50	41.8	41.6	84	83	50-150	.6	20	
Benzene	ug/L	<0.41	50	50	48.5	48.6	97	97	70-130	.2	20	
Bromodichloromethane	ug/L	<0.56	50	50	45.7	46.2	91	92	70-130	1	20	
Bromoform	ug/L	<0.94	50	50	47.0	47.7	94	95	70-130	2	20	
Bromomethane	ug/L	<0.91	50	50	49.7	50.0	99	100	52-155	.6	20	
Carbon disulfide	ug/L	<0.66	50	50	49.9	49.7	100	99	61-131	.4	24	
Carbon tetrachloride	ug/L	<0.49	50	50	56.2	57.0	112	114	70-158	2	20	
Chlorobenzene	ug/L	<0.41	50	50	51.1	51.8	102	104	70-130	1	20	
Chloroethane	ug/L	<0.97	50	50	49.0	50.0	98	100	70-130	2	20	
Chloroform	ug/L	<1.3	50	50	49.7	50.2	99	100	70-130	1	20	
Chloromethane	ug/L	<0.24	50	50	43.7	45.0	87	90	46-130	3	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	48.0	48.3	95	96	70-130	.6	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	54.8	55.8	110	112	70-130	2	20	
Dibromochloromethane	ug/L	<0.81	50	50	50.8	51.2	102	102	70-130	.7	20	
Dichlorodifluoromethane	ug/L	<0.99	50	50	43.6	42.2	87	84	50-150	3	20	
Ethylbenzene	ug/L	<0.54	50	50	52.1	53.1	104	106	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.61	50	50	45.3	45.5	91	91	70-130	.3	20	
Methylene Chloride	ug/L	<0.43	50	50	48.7	47.8	97	95	70-130	2	20	
Styrene	ug/L	<0.86	50	50	54.0	54.8	108	110	19-157	1	20	
Tetrachloroethene	ug/L	<0.45	50	50	52.3	52.7	105	105	70-130	.7	20	
Toluene	ug/L	<0.67	50	50	50.9	50.9	102	102	70-130	.2	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	49.4	49.4	99	99	70-130	.1	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	43.0	43.0	86	86	70-130	.2	20	
Trichloroethene	ug/L	<0.48	50	50	53.4	53.1	106	106	70-130	.6	20	
Trichlorofluoromethane	ug/L	<0.79	50	50	49.7	49.7	99	99	50-150	.02	20	
Vinyl chloride	ug/L	0.73J	50	50	48.3	47.6	95	94	62-130	1	20	
Xylene (Total)	ug/L	<2.6	150	150	161	162	107	108	70-130	.7	20	

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QUALITY CONTROL DATA

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 561062 561063

Parameter	Units	3062967011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%.						96	97	70-130			
Dibromofluoromethane (S)	%.						96	96	70-130			
Toluene-d8 (S)	%.						99	99	70-130			

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QUALIFIERS

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

Pace Analytical®
www.pacelabs.com

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3062967 117-2202040.14 FF/NN
Pace Project No.: 4056195

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3062967001	MW-3A	EPA 8260	MSV/13944		
3062967002	MW-3B	EPA 8260	MSV/13944		
3062967003	P-111D	EPA 8260	MSV/13944		
3062967004	P-107D	EPA8260	MSV/13944		
3062967005	P-115	EPA 8260	MSV/13944		
3062967006	P-114	EPA 8260	MSV/13944		
3062967007	P-114 DUP	EPA 8260	MSV/13944		
3062967008	P-116	EPA8260	MSV/13944		
3062967009	P-113A	EPA 8260	MSV/13944		
3062967010	P-113B	EPA 8260	MSV/13944		
3062967011	P-103D	EPA 8260	MSV/13946		
3062967014	P-103	EPA 8260	MSV/13946		
3062967015	MW-103	EPA 8260	MSV/13946		
3062967016	MW-112	EPA 8260	MSV/13946		
3062967017	TRIP BLANK	EPA 8260	MSV/13946		

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

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CHAIN OF CUSTODY

4056195

(Please Print Clearly)	
Company Name:	TetraTech GeO
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	117-2202040.14
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:	↓ 3062967
Invoice To Phone:	

*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

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

PACE LAB #	CLIENT FIELD ID 2012	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOCs 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter				
001	MW-3A	1-23	11:00	GW	N	B	✓		3-40ml B	
002	MW-3B		11:20				✓			
003	P-111D		12:15				✓			
004	P-107D		12:45				✓			
005	P-115		13:20				✓			
006	P-114		13:45				✓			
007	P-114 Dup		13:50				✓			
008	P-116		14:30				✓			
009	P-113A		15:10				✓			
010	P-113B	↓	15:25				✓			
011	P-103D	1-24	11:20				✓		9-40ml B	
	P-103D MS		11:25				✓			
	P-103D MSD	↓	11:30	↓			✓			

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	1-25-12 0800	Daryl	1-26-12 0830
Daryl	1-25-12 1200	CS Logistics	
CS Logistics	1/26/12 0920	Pace GB	1/26/12 0920

PACE Project No.: 4056195
Receipt Temp = RAI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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MN: 612-607-1700 WI: 920-469-2436

Page 1 of

CHAIN OF CUSTODY

4056195

*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:	TETRA TECH GEO
Branch/Location:	BROOKFIELD, WI
Project Contact:	MIKE NOEL
Phone:	(262) 792-1282
Project Number:	IN-220240.14
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:	TETRA TECH 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:	↓ 30629677
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, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID 2012	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analysis Requested: VOCs 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
012	P-103	1-24	11:45	GW		N B	✓		3-40ml D	
013	MW-103	↓	11:55	↓			✓		↓	
014	MW-112	↓	12:10	↓			✓		↓	
015	TB-1	—	—	DI			✓	LAB PREPARED	2-40ml D	

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	1-25-12 0800	Jat Boyle	1-25-12 830
Jat Boyle	1-25-12 1700	CS Logistics	
CS Logistics	1/26/12 0920	E Hilingplace GB	1/26/12 0920

PACE Project No.: 4056195
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

ATTACHMENT C

GROUNDWATER SAMPLING FIELD FORMS

TETRA TECH

Water Levels

FF/NN Landfill, Ripon, WI

Date: 1-23-12 + 1-24-12 **Personnel:** Ashley A. Weimer

Well Name	TOC Elevation	Depth to Water	Comments
MW-101	884.80	61.87	1-24-12
P-101	885.26	62.39	"
MW-102	843.05	19.69	"
P-102	842.99	19.55	"
MW-103	872.42	51.45	"
P-103	872.92	50.61	"
P-103D	873.08	51.04	"
MW-104	875.15	52.33	"
P-104	875.48	52.55	"
MW-106	878.90	55.57	"
P-106	878.91	55.67	"
MW-107	871.78	51.82	"
P-107	871.38	52.23	↓
P-107D	871.98	52.60	1-23-12
MW-108	845.25	27.14	1-24-12
P-108	845.61	24.75	"
MW-111	856.46	38.34	"
P-111	856.13	38.45	↓
P-111D	855.79	35.46	1-23-12
MW-112	874.55	54.64	1-24-12
P-113A	833.09	14.37	1-23-12
P-113B	833.10	14.23	"
P-114 (Ehster)	839.35	20.19	"
P-115 (Wiese)	842.71	23.44	"
P-116 (Hadel)	845.34	27.21	"
MW-3A	850.77	31.17	"
MW-3B	851.04	30.26	↓
LC-1	873.15	NM	measurements
LC-2	866.05	NM	done
LC-3	877.34	NM	annually

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP20 Flow Cell
PROJECT NO.	117-2202040.14	Conductivity	MP20 Flow Cell
LOCATION	Ripon, WI	ORP	Not Measured
PERSONNEL	Ashley A. Weimer	DO	Not Measured

SAMPLE POINT		MW-103	MW-112			
WATER TYPE		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)		1-24-12	1-24-12			
CLOCK TIME (Military)		11:55	12:10			
DEPTH TO WATER (ft)*		51.45	54.64			
MEASURED WELL DEPTH (ft)*		53.69	60.47			
CASING VOLUME (gallons)		0.37	0.95			
PURGE VOLUME (gallons)		1.5	4.0			
DEPTH SAMPLE TAKEN (ft)*		53	59			
SAMPLING DEVICE		Dedicated Bailer	Dedicated Bailer			
FIELD TEMPERATURE (°C)		6.06	7.99			
pH		6.98	7.16			
ELEC. COND. (uS/cm)	Measured	NM	NM			
	at25° C	1.93	1.0160			
ORP (mV)		144	-26			
DISSOLVED OXYGEN (ppm)		3.28	1.32			
DISSOLVED OXYGEN (% Sat.)		26.6	11.2			
COLOR		clear	clear			
ODOR		none	none			
CLARITY		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			
Vacu-Vials Iron 2- Wait 1, then wait 5 min		0.04	over Range			
NAME OF LABORATORY		Pace Analytical	Pace Analytical			
DATE SENT TO LAB		1-25-12	1-25-12			
SAMPLER'S NAME		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.	117-2202040.14	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)	1-23-12			1-23-12			1-23-12		
STATIC WATER LEVEL (feet)*	31.17			30.26			14.37		
WELL DEPTH (feet)*	280.1			185.72			325.31		
PUMP INLET DEPTH (feet)*	67.5			54.5			73.5		
START PURGE TIME (Military)	10:40			11:05			14:45		
END PURGE TIME (Military)	10:55			11:15			15:05		
PURGE VOLUME (gallons)	1.0			1.0			0.5		
SAMPLE TIME (Military)	11:00			11:20			15:10		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	5 :00	6 :00	7 :00	0 :00	1 :00	2 :00	6 :00	8 :00	10 :00
TEMPERATURE (°C)	7.91	7.95	7.95	8.64	8.67	8.71	7.13	7.30	7.27
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.1606	0.1605	0.1606	0.731	0.736	0.734	0.1602	0.1603	0.1604
DISSOLVED OXYGEN (ppm)	0.82	0.65	0.70	0.30	0.29	0.28	1.35	1.26	1.20
pH	7.00	7.03	7.09	7.45	7.40	7.37	7.73	7.70	7.67
DISSOLVED OXYGEN (% Sat.)	6.9	5.5	5.9	2.7	2.5	2.4	11.2	10.5	10.0
ORP (mV)	-25	-30	-34	-118	-114	-110	-66	-73	-76
COLOR	Clear			Clear			Clear		
ODOR	Rotten Eggs			Rotten Eggs			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	under Range.	0.79	0.77
NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB	1-25-12	1-25-12	1-25-12
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.	117-2202040.14	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)	1-23-12			1-24-12			1-24-12		
STATIC WATER LEVEL (feet)*	14.23			50.01			51.04		
WELL DEPTH (feet)*	198.9			83.02			192.66		
PUMP INLET DEPTH (feet)*	48.5			69.5			87.5		
START PURGE TIME (Military)	15:10			11:30			11:05		
END PURGE TIME (Military)	15:20			11:40			11:15		
PURGE VOLUME (gallons)	1.0			1.0			1.5		
SAMPLE TIME (Military)	15:25			11:45			11:20		
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	0 :00	1 :00	2 :00
TEMPERATURE (° C)	9.33	9.35	9.30	9.01	9.02	9.00	9.22	9.24	9.26
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.702	0.702	0.703	0.878	0.878	0.878	0.896	0.896	0.895
DISSOLVED OXYGEN (ppm)	0.32	0.30	0.29	0.83	0.72	0.65	0.37	0.41	0.40
pH	7.60	7.59	7.57	7.26	7.25	7.27	7.27	7.28	7.28
DISSOLVED OXYGEN (% Sat.)	2.8	2.6	2.6	7.2	6.3	5.7	3.3	3.6	3.5
ORP (mV)	-77	-76	-75	-42	-45	-47	-161	-163	-164
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	0.99			over Range			over Range		
							MS @ 11:25		
							MSD @ 11:30		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	1-25-12			1-25-12			1-25-12		
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.	117-2202040.14	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			P-107D					
WATER TYPE	Groundwater			Groundwater					
DATE (month/day/year)	1-23-12			1-23-12					
STATIC WATER LEVEL (feet)*	35.46			52.60					
WELL DEPTH (feet)*	151.0			327.95					
PUMP INLET DEPTH (feet)*	151.0			76.5					
START PURGE TIME (Military)	11:55			12:25					
END PURGE TIME (Military)	12:10			12:40					
PURGE VOLUME (gallons)	1.0			1.0					
SAMPLE TIME (Military)	12:15			12:45					
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd			
TIME (minutes since initial reading)	0 :00	1 :00	2 :00	2 :00	3 :00	4 :00			
TEMPERATURE (° C)	9.27	9.30	9.26	8.82	8.81	8.85			
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.896	0.897	0.898	0.643	0.623	0.634			
DISSOLVED OXYGEN (ppm)	0.41	0.37	0.33	0.86	0.77	0.69			
pH	7.30	7.31	7.31	7.45	7.45	7.45			
DISSOLVED OXYGEN (% Sat.)	3.6	3.2	2.9	7.4	6.6	5.9			
ORP (mV)	-56	-63	-68	-42	-44	-45			
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	
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.87	0.27	
NAME OF LABORATORY	Pace Analytical	Pace Analytical	
DATE SENT TO LAB	1-25-12	1-25-12	
SAMPLER'S NAME	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.	117-2202040.14	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-114/DUP			P-115			P-116		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	1-23-12			1-23-12			1-23-12		
STATIC WATER LEVEL (feet)*	20.19			23.44			27.21		
WELL DEPTH (feet)*	181.72			179.57			163.19		
PUMP INLET DEPTH (feet)*	53.5			53.5			163		
START PURGE TIME (Military)	13:30			13:00			14:05		
END PURGE TIME (Military)	13:40			13:15			14:25		
PURGE VOLUME (gallons)	1.0			1.0			1.0		
SAMPLE TIME (Military)	13:45/13:50			13:20			14:30		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0 :00	1 :00	2 :00	0 :00	1 :00	2 :00	0 :00	2 :00	4 :00
TEMPERATURE (° C)	8.99	9.02	9.06	9.64	9.66	9.64	8.81	8.80	8.76
ELECTRICAL CONDUCTANCE at 25° C (ma/cm)	0.783	0.783	0.785	0.647	0.647	0.647	0.575	0.575	0.576
DISSOLVED OXYGEN (ppm)	0.47	0.39	0.35	0.44	0.39	0.34	0.45	0.41	0.38
pH	7.63	7.62	7.60	7.55	7.54	7.53	7.67	7.66	7.64
DISSOLVED OXYGEN (% Sat.)	4.0	3.4	3.1	3.8	3.4	3.0	3.9	3.5	3.3
ORP (mV)	-74	-77	-78	-73	-76	-78	-18	-19	-21
COLOR	clear			clear			pinkish		
ODOR	none			none			none		
CLARITY	clear			clear			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	0.93			1.41			0.52		
	*took dup								
	at 13:50*								
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	1-25-12			1-25-12			1-25-12		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRATECH

ATTACHMENT D

LANDFILL GAS EXTRACTION SYSTEM MONITORING

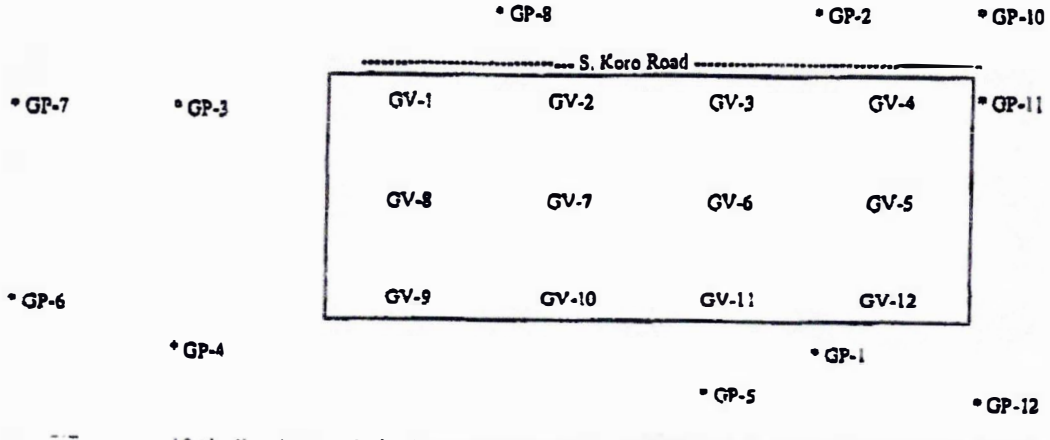
TETRATECH GEO

GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: JackWendler
Water level in buried knockout tank 4 "

Barometric Pressure: 29.2 Hg
Temperature (ambient): 32 F
Measuring Device: Eagle
In Trailer Vacuum Gage 1 "Hg

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
12.12.11	0900	Background	1 *	0.0	20.5	
	0918	LC-1	12.7	24.2	0.2	
	0930	LC-2	49.5	34.8	0.3	
	0937	LC-3	23.0	22.2	4.7	
	0912	GV-6	7.5	16.8	4.3	
	0905	GP-1	1 *	1.6	15.3	
	1015		12 *	5.8	3.2	
	1020	Exhaust	7.5	4.8	16.6	
↓						



① Leave @ 12 hours on for blower

② CH_4 higher than average over time but within range for Dec of 09 & 10

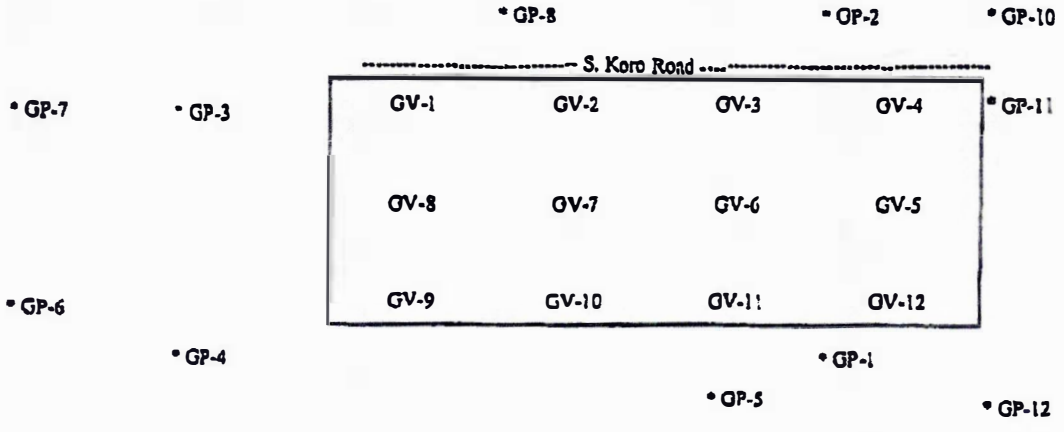
TETRA TECH GEO

GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Dan Kreiendler
Water level in buried knockout tank 4" * LEL

Barometric Pressure: 28.7 Hg
Temperature (ambient): 30° F
Measuring Device: Eagle
In Trailer Vacuum Gage 10 "Hg

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
12.27.11	1000	Background	1 *	0.0	19.4	
	1024	LC-1	36.5	27.2	0.2	
	1011	LC-2	49.0	34.0	0.2	
	1030	LC-3	28.0	23.0	4.2	
	1017	GV-6	9.0	7.0	13.9	
	1005	GP-1	71 *	4.4	1.5	
	1110	"	43 *	1.2	15.2	
	1010	Exhaust	6.5	5.0	15.8	
✓						Replaced broken bolt @ 0900



TETRA TECH GEO

GAS PROBE DATA MONITORING POINTS

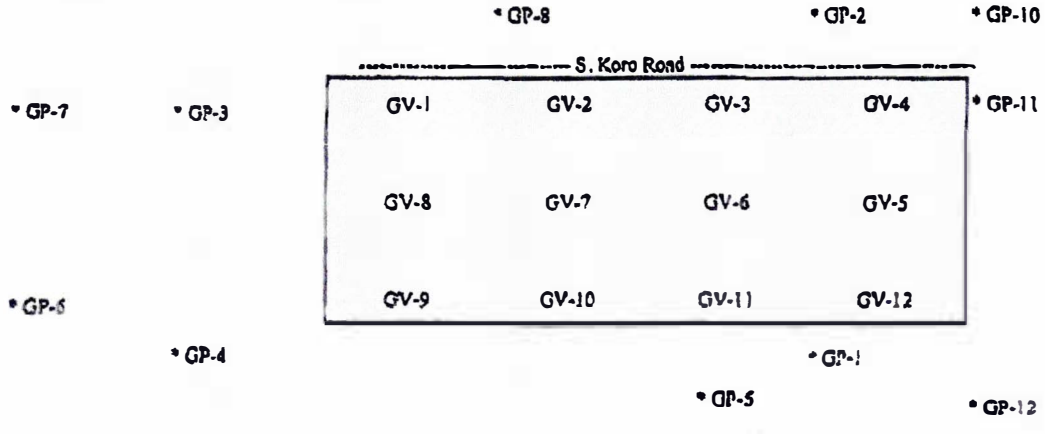
Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jackwendel
Water level in buried knockout tank 4" "

Barometric Pressure: 29.0 Hg
Temperature (ambient): 26 F
Measuring Device: Eagle
In Trailer Vacuum Gage 1 "Hg

* LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Comments
1.10.12		Background	1 *	0.0	19.6	
	0845	LC-1	24.5	25.4	0.1	
	0900	LC-2	52.0	34.4	0.1	
	0851	LC-3	32.5	24.0	4.2	
	0840	GV-6	12.0	19.6	1.0	
	0830	GP-1	91 *	4.4	0.1	
	0950	GP-1	~~82~~ 5.0	8.4	2.8	
	0910	Exhaust	0.0	6.0	14.4	

INCREASE BLOWER TIME



GeoTrans, Inc.

GAS PROBE DATA

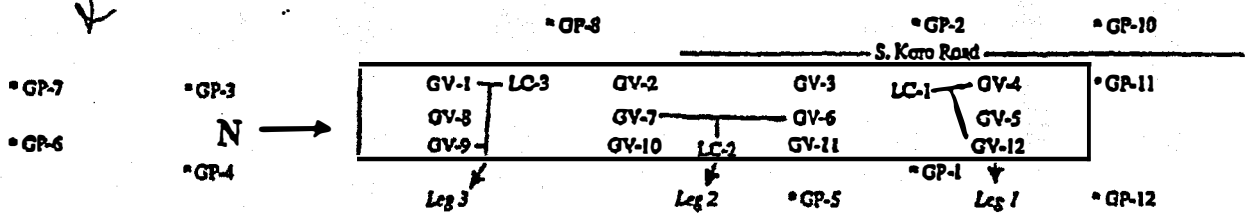
Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler

Barometric Pressure: 29.2 Hg
Temperature (ambient): 22 F
Measuring Device: Eagle

Water level in knockout tank 4" Trailer vacuum gauge 2"

* LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
1-25-12	0708	Background	1 *	0.0	19.7	
	1010	LC-1	26.0	27.2	0.3	
	1000	LC-2	48.0	34.8	0.4	
	0955	LC-3	33.0	16.0	4.2	
	0738	MW-101	1 *	0.6	19.5	
	1030	MW-102	1 *	0.4	17.9	
	0714	MW-103	3 *	2.6	16.9	
	0710	MW-104	1 *	1.0	18.5	
		~~GV-1~~				
		~~GV-4~~				
	1005	GV-6	11.5	22.0	0.2	
		~~GV-7~~				
		~~GV-9~~				
	1015	~~GV-12~~ GP-1	2 *	4.6	4.9	1st
	1120	GP-1	4 *	3.8	13.2	2nd
	0926	GP-2	1 *	3.6	17.0	
	1130	GP-3	1 *	4.2	15.4	
	0717	GP-4	1 *	1.0	19.1	
	1025	GP-5	1 *	4.8	14.9	
	0708	GP-6	2 *	1.2	18.8	
	0705	GP-7	2 *	2.0	18.0	
	0727	GP-8	1 *	1.6	18.7	
	0945	GP-10	1 *	4.4	16.2	
	0740	GP-11	1 *	2.6	18.4	
	1035	GP-12	1 *	4.6	14.8	
	1022	Leg 1	24.2	19.0	5.0	
	1021	Leg 2	28.0	23.4	0.2	
	1020	Leg3	32.5	26.0	4.2	
	1017	Exhaust	62 *	2.4	17.6	



TETRA TECH GEO PRESSURE TESTING FORM

Project Number: 117-2202 Project Name: FE/NN Landfill

Location: Ripon WI Personnel: Kevin Lincicum

Well ID: Leg 1 Date: 1/24/2012

Time elapsed minutes	Pressure PSI	Comments
0	5.0	
1	4.7	
2	4.6	
3	4.5	
4	4.5	
5	4.4	
6	4.4	
7	4.3	
8	4.3	
9	4.2	
10	4.2	