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

March 28, 2011

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

Tetra Tech GEO
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Brookfield, Wisconsin 53045

Project No. 117-2202.040

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Vice-President, Principal Hydrogeologist

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

STATUS REPORT FOR JANUARY 2011 SAMPLING EVENT

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CONTRACT SF-92-01

STATUS REPORT FOR JANUARY 2011 SAMPLING EVENT

SITE NAME/ACTIVITY:

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

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

PREPARED BY:

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DATE:

March 28, 2011

FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 27 monitoring wells in January 2011. The water levels at Layer 3 wells were measured in March 2011 due to an erroneous water level taken in P-111D. The water levels in Layer 4 wells were also measured in March 2011 to check the flow direction. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.

- A total of 18 monitoring wells and three private drinking wells were sampled for VOCs during the January 2011 event. Two duplicate samples were collected for quality control. A matrix spike and matrix spike duplicate were collected for quality control. The revised groundwater monitoring program that was agreed upon in a February 2010 meeting between the WDNR and the FF/NN Landfill PRP Group was followed for this sampling event.

- Landfill gas monitoring in the gas probes and monitoring wells was conducted on January 25 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, 2011 by Jack Wendler.

RESULTS OF FIELD ACTIVITIES

Groundwater Monitoring Event - Groundwater Elevations

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

For the January 2011 sampling event, groundwater elevations were measured in all 27 monitoring wells by Jack Wendler from the City of Ripon. The water levels at Layer 3 wells were measured in March 2011 due to an erroneous water level taken in P-111D. The water levels in Layer 4 wells were also measured in March 2011 to check the flow direction. 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 previous event in October 2010, the water levels have decreased in all nine wells. The water table elevations decreased an average of 1 foot and the decreases ranged from 0.9 feet in MW-111 and MW-112 to 1.1 feet in MW-101.

Historically, the groundwater flow direction in this layer has been to the southwest. During the January 2011 event, the groundwater flow was to the southwest.

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 previous event in September 2010, the water levels have decreased in all eight wells. The water levels decreased an average of 1 feet and the decrease ranged from 0.8 feet in P-107 to 1.4 feet in P-108.

Historically, the groundwater flow direction in this layer has been to the southwest. During the January 2011 event, flow was to the south-southwest.

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. The water levels at Layer 3 wells were measured in March 2011 due to an erroneous water level taken in P-111D. From September 2010 to March 2011, the water elevation increased in P-113B by 0.09 feet and water levels decreased in the remaining six wells. The decreases averaged 0.19 feet and ranged from 0.10 feet in P-116 to 0.39 feet in P-103D.

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

Layer 4 Wells

Layer 4 contains three wells with screen elevations ranging from 508 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill. The groundwater potentiometric surface for this layer is displayed on Figure 4 and Chart 4. Water elevations increased in all three wells. The average increase was 0.19 feet from October 2010 to March 2011. The increases ranged from 0.09 feet in MW-3A to 0.29 feet in P-113A.

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 but the groundwater flow direction continues to be toward the southwest .

Groundwater Monitoring Event - Monitoring Well Sampling

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

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

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

Layer 1 Wells

MW-101 No detection of any VOC.

MW-103 No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) has not been detected since May 2007. Trichloroethene (TCE) exceeded its preventative action limit (PAL) with a concentration of 2.7 ppb. Cis-1,2-dichloroethene (DCE) was detected below NR 140 standards.

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

MW-111 No detection of any VOC.

Layer 2 Wells

P-101 No detection of any VOC.

P-103 VC was detected above the ES but between its limit of detection (LOD) and limit of quanitation (LOQ) at 0.34J ppb. The concentration of VC continues to decrease in this well.

P-107 No detection of any VOC.

P-111 No detection of any VOC.

Layer 3 Wells

MW-3B No detection of any VOC.

P-103D No detection of any VOC.

P-111D VC exceeded its ES at 5.2 ppb (4.5 ppb dup). The concentrations of VC have been stable since the May 2008 sampling round. 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 4.8 ppb (5.3 ppb duplicate). This concentration shows a stable trend that has been occurring since the February 2007 round of sampling. DCE was detected at a concentration below NR 140 standards.

P-115 VC exceeded its ES at 0.86J ppb (between LOD and LOQ).

P-116 No detection of any VOC.

Layer 4 Wells

MW-3A No detection of any VOC.

P-107D VC exceeded its ES at 2.6 ppb. This concentration is similar to recent results.

P-113A No detection of any VOC.

Natural Attenuation Parameters

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

Groundwater Monitoring Event - Private Drinking Water Well Sampling

Historically, seven private wells have been sampled. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Perry/Watkins, Gaastra and Rohde) were sampled and each sample was analyzed for volatile organic compounds (VOCs) using EPA Method 524.2 (Safe Drinking Water Act). In addition to VOC analysis, the samples were also analyzed for iron II. Analytical results and field forms are provided in Attachments B and C, respectively. The VOC analytical results for the private drinking water wells are tabulated in Table 3. No VOCs were detected in the private wells during this sampling event. VC has never been detected in any of these wells since sampling first began in 2001.

Interim Landfill Gas Extraction System Performance Monitoring

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

Current extraction is from shallow vent GV-6 and the three deep leachate wells (LC-1, LC-2 and LC-3). The other vents have remained closed to prevent oxygen levels from increasing above 5%. There was one modification to the system during this monitoring period. The run time of the gas extraction system was shortened to 6 hours because oxygen concentrations were exceeding 5 percent. The run time was decreased to 6 hours on March 14, 2011.

Gas samples for VOC analysis were collected on January 25, 2011. The results are summarized on Table 6 and the lab report is included in Attachment B. The samples from this period show no detectable vinyl chloride in any well. The historical data shows that VOCs have been significantly reduced since startup of the extraction system.

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

UPCOMING ACTIVITIES PLANNED

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

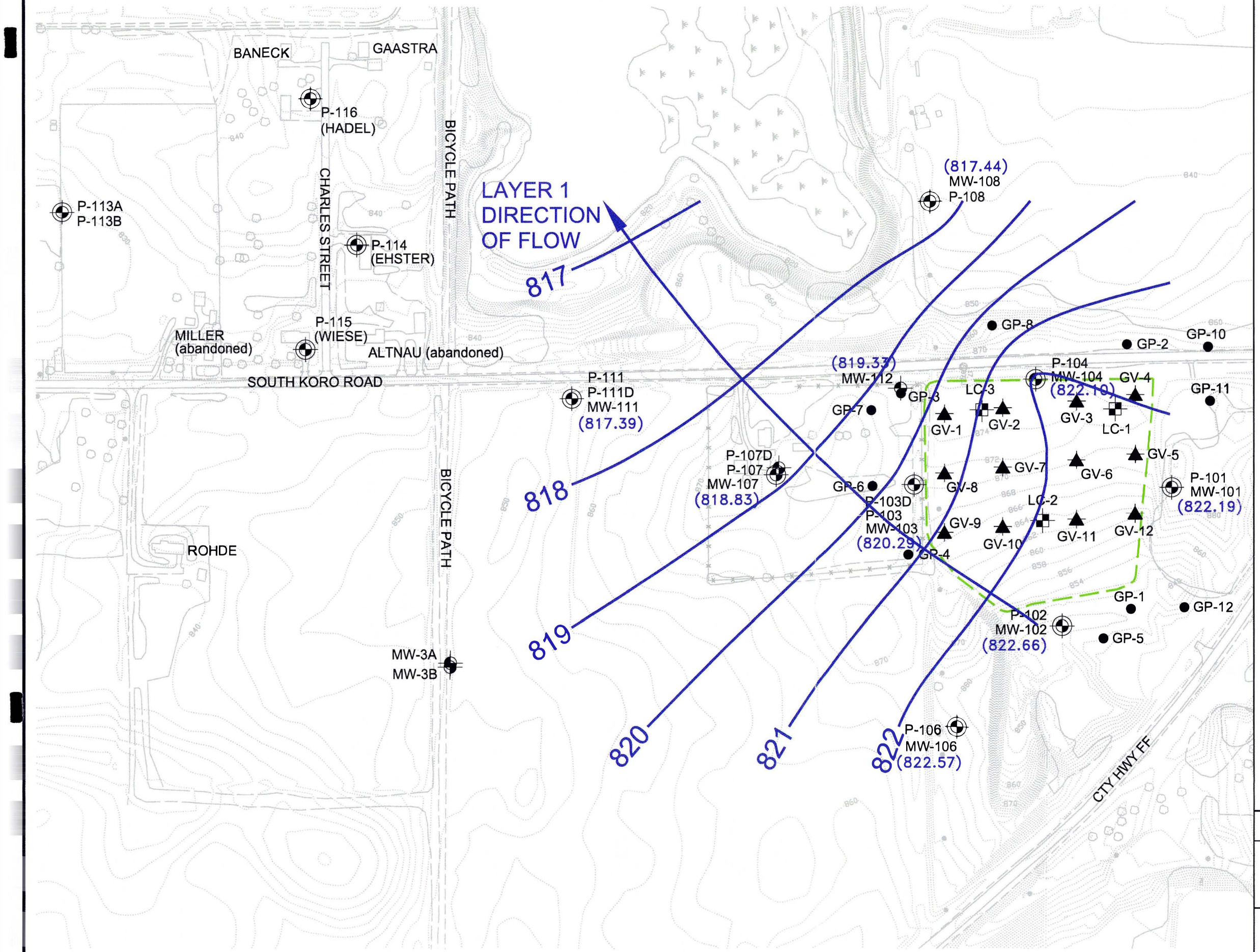
Landfill gas monitoring will be conducted periodically by Jack Wendler from the City of Ripon.

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

PERSONNEL

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Mr. Kevin Lincicum is the Project Hydrogeologist who oversaw the field activities. The laboratory analyses for May 2010 groundwater samples were completed by Pace Analytical Services, Inc. in Green Bay, Wisconsin. The drinking water well samples were submitted to Pace Analytical Services, Inc. in Green Bay and were analyzed by Northern Lake Service, Inc. located in Crandon, Wisconsin. The laboratory analyses for the air samples was completed by Pace Analytical Services, Inc. located in Minneapolis, Minnesota.

FIGURES



EXPLANATION

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

N

SCALE

0 500

Feet

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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 3/10/11
	DESIGNED: HJW
GROUNDWATER ELEVATIONS LAYER 1 WELLS JANUARY 2011	CHECKED: MRN
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 1

S:\CAD\RIPON\2202.040\3-10-11\2202040FIG5.DWG

BANECK
GAASTRA
P-116
(HADEL)
BICYCLE PATH
CHARLES STREET
P-113A
P-113B
P-114
(EHSTER)
LAYER 2
DIRECTION
OF FLOW
MILLER
(abandoned)
P-115
(WIESE)
ALTNAU (abandoned)
SOUTH KORO ROAD
MW-111
(816.96) P-111
P-111D
817
818
819
820
821
822
P-107D
(818.98) P-107
MW-107
GP-6
P-103D
(822.26) P-103
MW-103
GP-4
MW-108
P-108
(820.25)
GP-8
GP-2
GP-10
MW-112
GP-3
LC-3
P-104 (822.26)
MW-104
GV-4
GP-7
GV-1
GV-2
GV-3
LC-1
GP-11
GV-5
(822.14)
P-101
MW-101
GV-7
GV-6
GV-8
LC-2
GV-9
GV-10
GV-11
GV-12
GP-1
GP-12
(822.74) P-102
MW-102
GP-5
ROHDE
MW-3A
MW-3B
(822.52)
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
- (823.25) — GROUNDWATER ELEVATION

N

SCALE
0 500
Feet

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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 3/10/11
	DESIGNED: HJW
GROUNDWATER ELEVATIONS LAYER 2 WELLS JANUARY 2011	CHECKED: MRN
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-2202040
TETRA TECH	Figure 2

S:\CAD\RIPON\2202.040\3-10-11\2202040FIG6.DWG

BANECK

GAASTRA

818

(817.76)
P-116
(HADEL)

LAYER 3
DIRECTION
OF FLOW

BICYCLE PATH

CHARLES STREET

P-113A
P-113B
(818.97)

819

(818.85)
P-114
(EHSTER)

(819.01)
P-115
(WIESE)

MILLER
(abandoned)

ALTNAU (abandoned)

SOUTH KORO ROAD

MW-111
P-111
P-111D
(820.05)

MW-108
P-108

GP-8

GP-2

GP-10

MW-112

GP-3

LC-3

P-104
MW-104

GV-4

GP-11

GP-7

GV-1

GV-2

GV-3

LC-1

GV-5

P-107D
P-107
MW-107

GP-6

GV-8

GV-7

GV-6

P-101
MW-101

P-103D (821.96)
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

BICYCLE PATH

820

821

MW-3A
MW-3B
(820.35)

P-106
MW-106

CTY HWY FF

S:\CAD\RIPON\2202.040\3-10-11\2202040FIG7.DWG

EXPLANATION

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

N

SCALE

0 500

Feet

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

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 3 WELLS
JANUARY 2011

DATE:	3/21/11
DESIGNED:	HJW
CHECKED:	MRN
APPROVED:	MRN
DRAWN:	HJW
PROJ.:	117-2202040

TETRA TECH

Figure 3

BANECK
GAASTRA
P-116
(HADEL)
BICYCLE PATH
CHARLES STREET
(818.53)
P-113A
P-113B
LAYER 4
DIRECTION
OF FLOW
818.6
818.7
818.8
818.9
819.0
P-114
(EHSTER)
P-115
(WIESE)
MILLER
(abandoned)
ALTNAU (abandoned)
SOUTH KORO ROAD
MW-111
P-111
P-111D
(819.05)
P-107D
P-107
MW-107
MW-108
P-108
GP-8
GP-2
GP-10
MW-112
GP-3
LC-3
P-104
MW-104
GV-4
GP-11
GP-7
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
ROHDE
(819.00) MW-3A
MW-3B
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
- (820.05) — GROUNDWATER ELEVATION

N

SCALE

0 500

Feet

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

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 4 WELLS
JANUARY 2011

DATE:	3/21/11
DESIGNED:	HJW
CHECKED:	MRN
APPROVED:	MRN
DRAWN:	HJW
PROJ.:	117-2202040

TETRA TECH

Figure 4

S:\CAD\RIPON\2202.040\3-10-11\2202040FIG8.DWG

CHARTS

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Chart 1: Layer 1 Historic Water Level Data

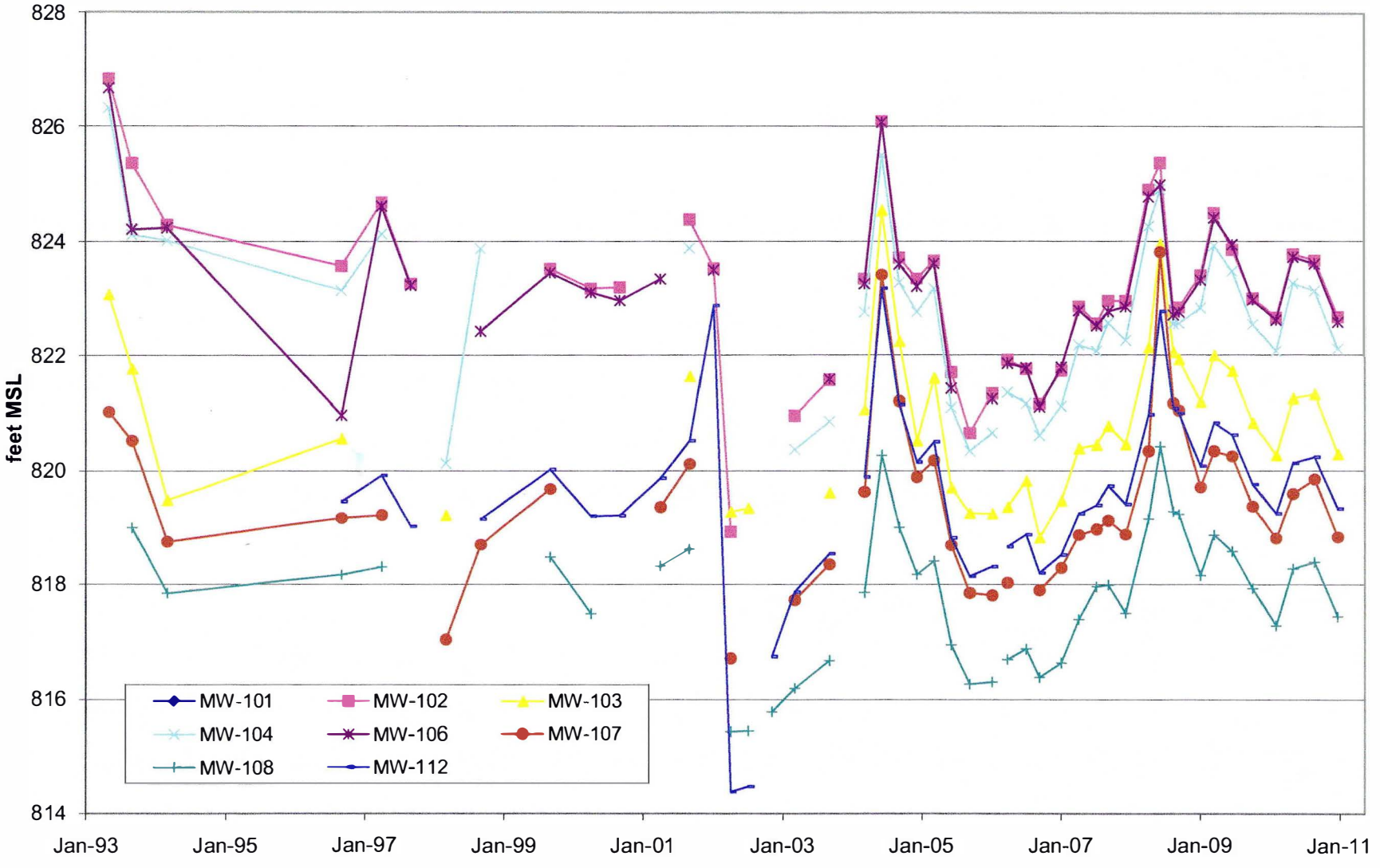

Chart 2: Layer 2 Historic Water Level Data

Chart 3: Layer 3 Historic Water Level Data

Chart 4: Layer 4 Historic Water Level Data

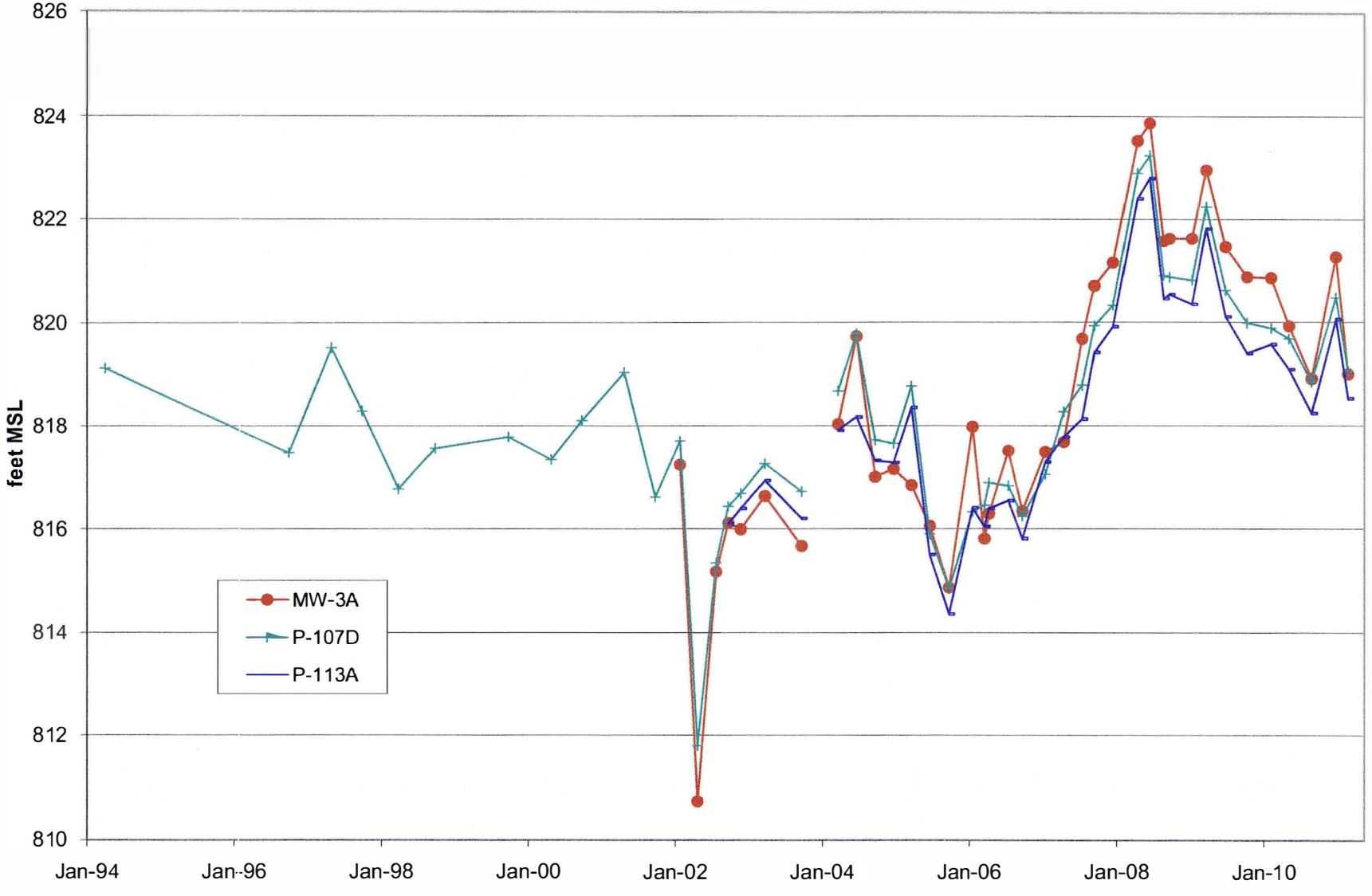

Chart 5: GV-1 Gas Concentrations

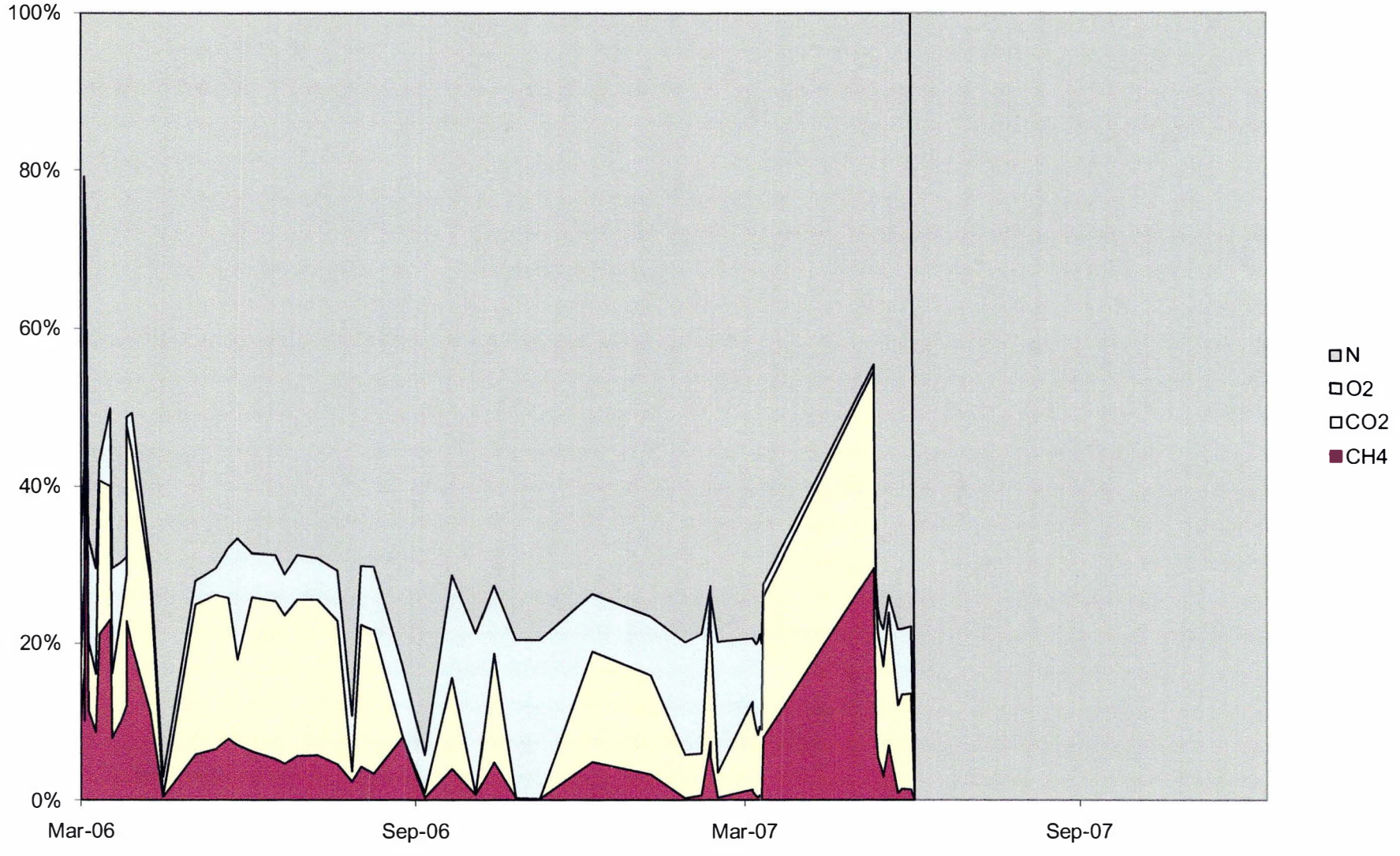

Chart 6: GV-4 Gas Concentrations

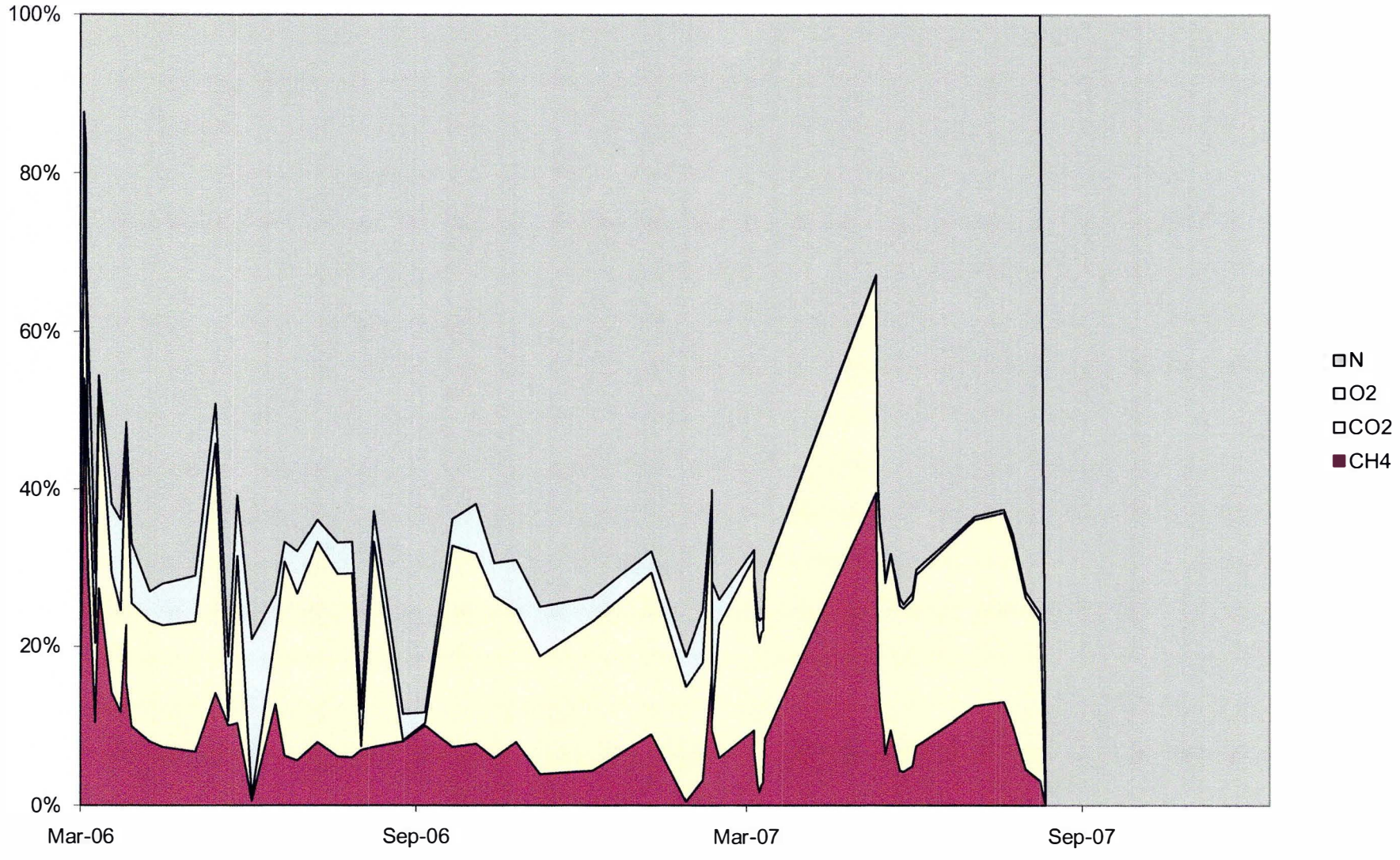

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Chart 7: GV-6 Gas Concentrations

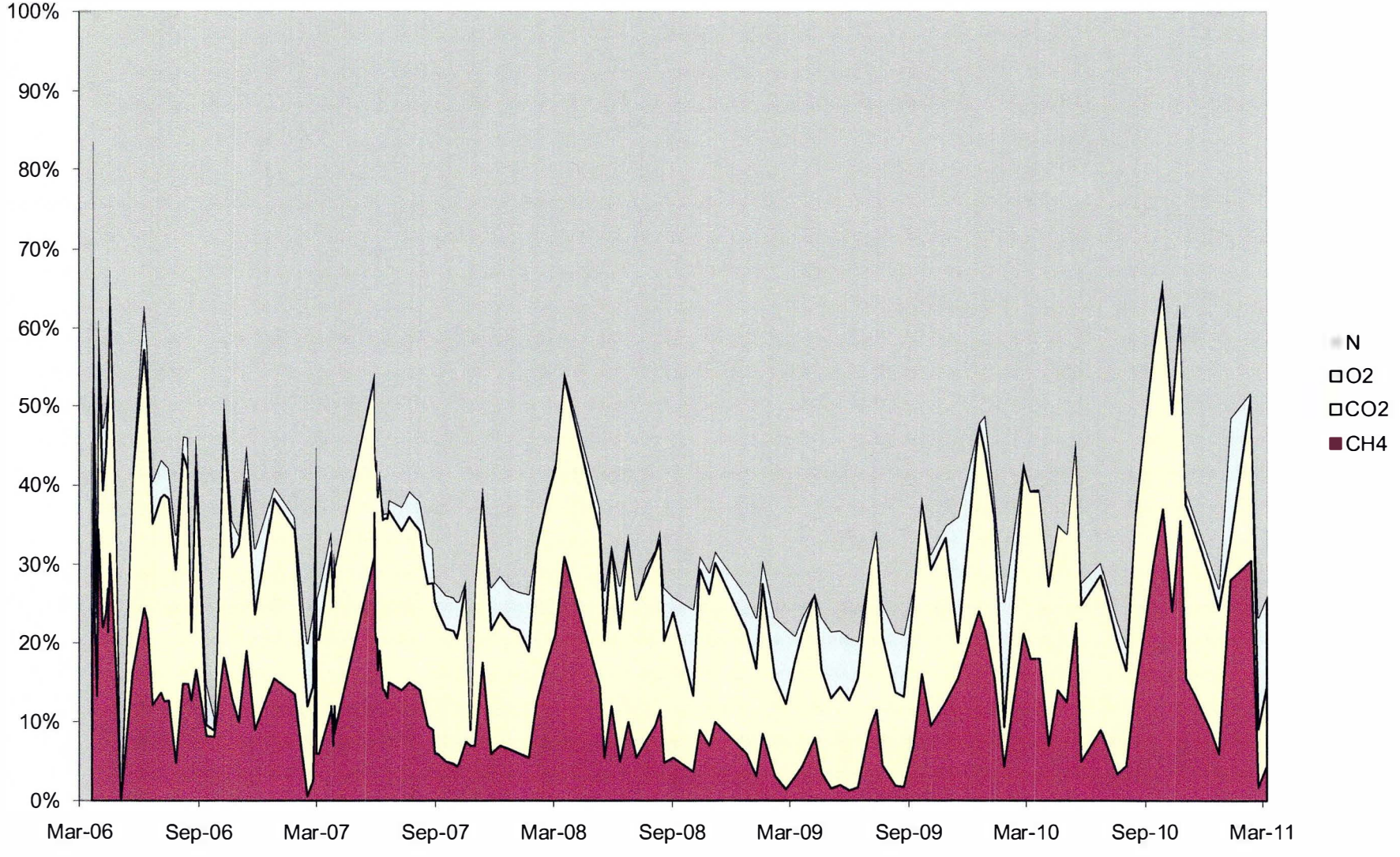

Chart 8: GV-7 Gas Concentrations

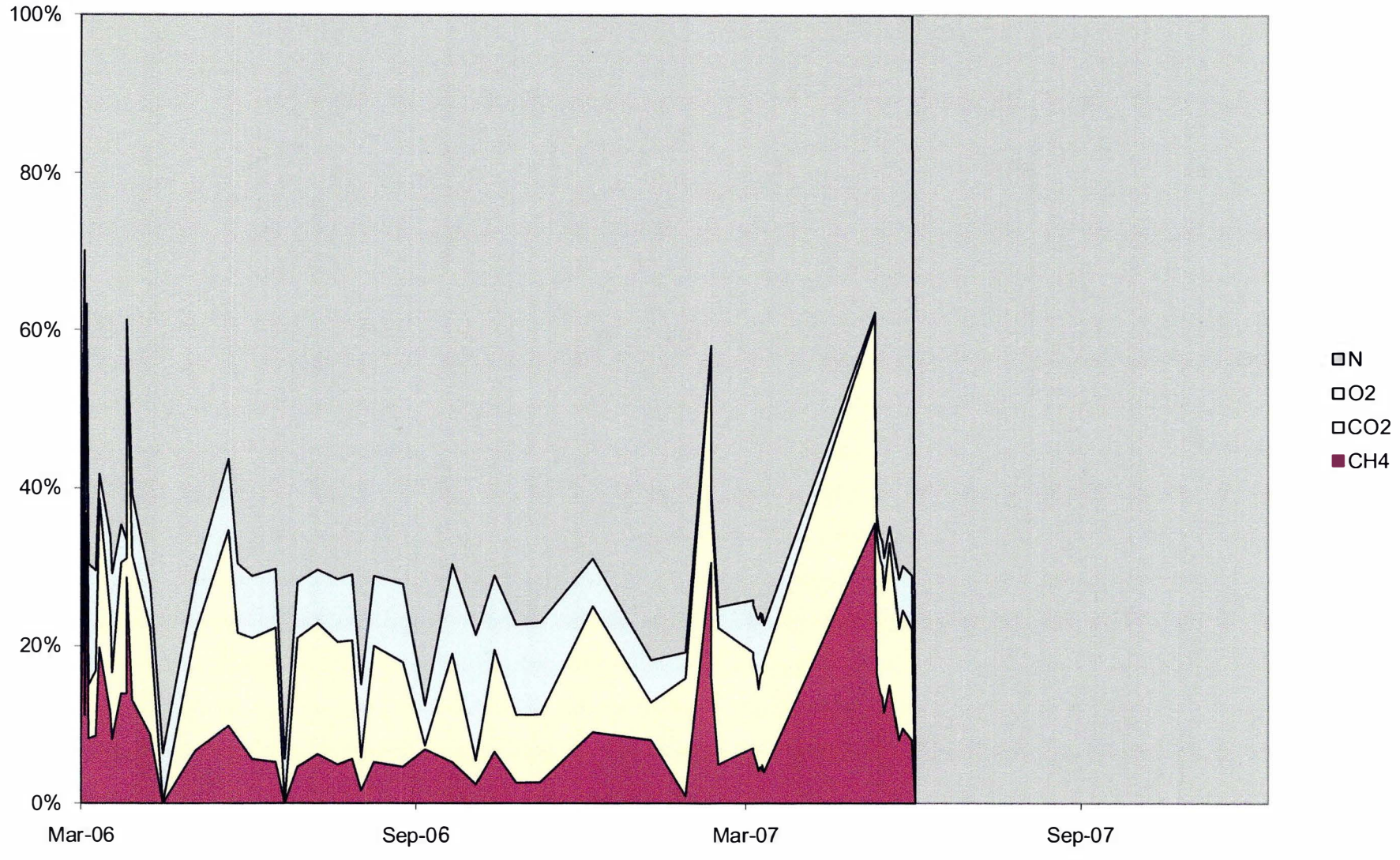

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Chart 9: GV-9 Gas Concentrations

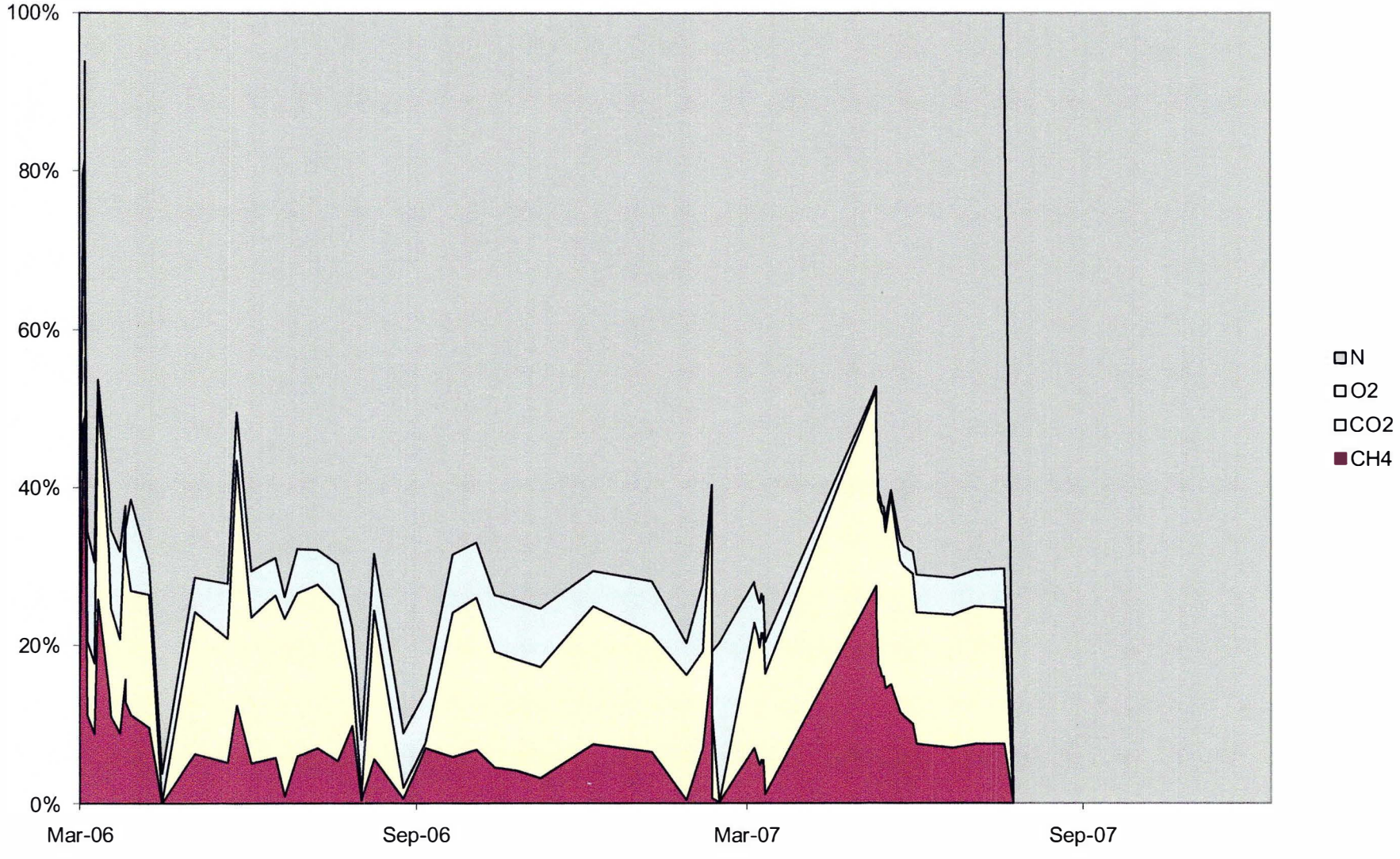

Chart 10: GV-12 Gas Concentrations

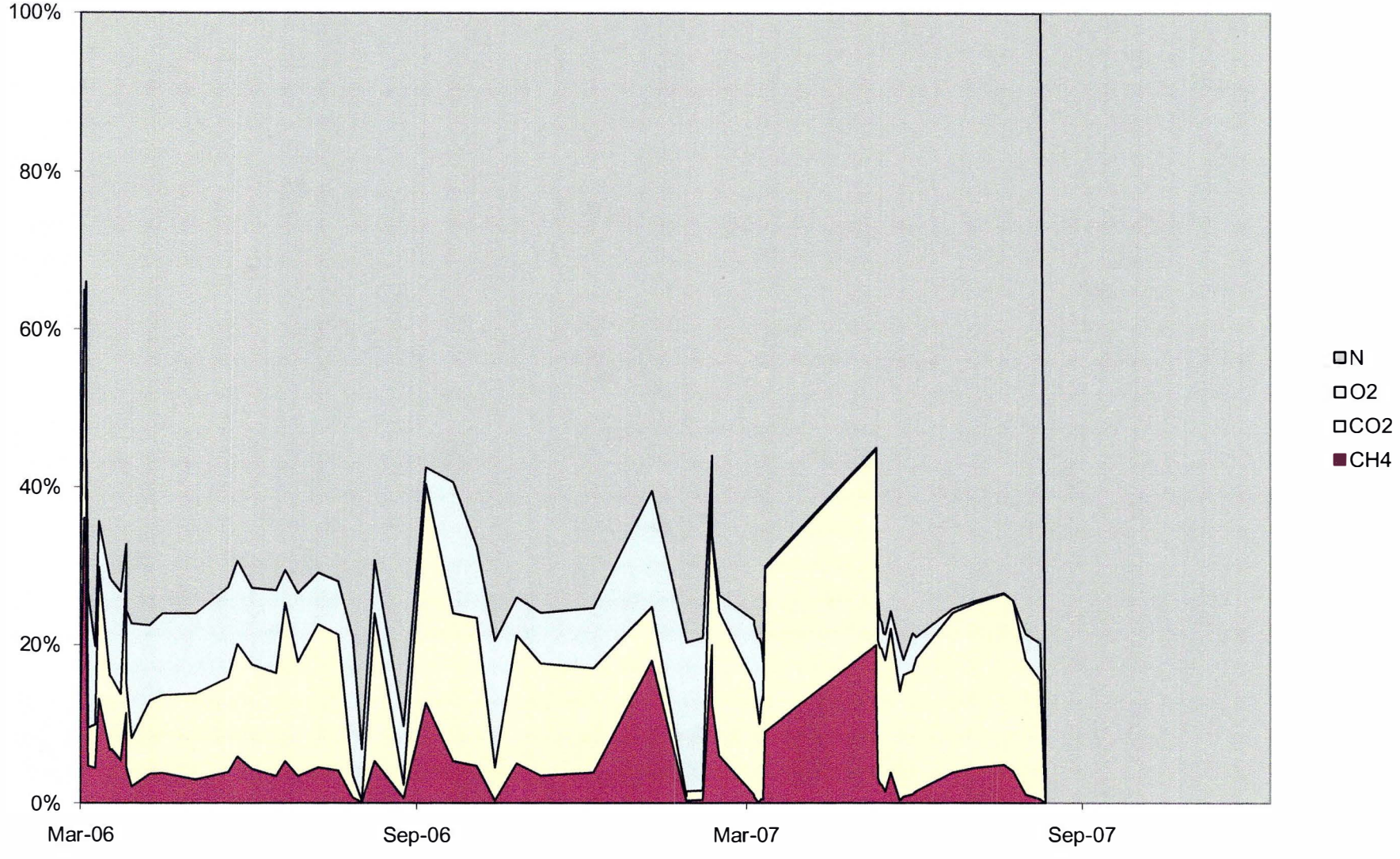

Chart 11: LC-1 Gas Concentrations

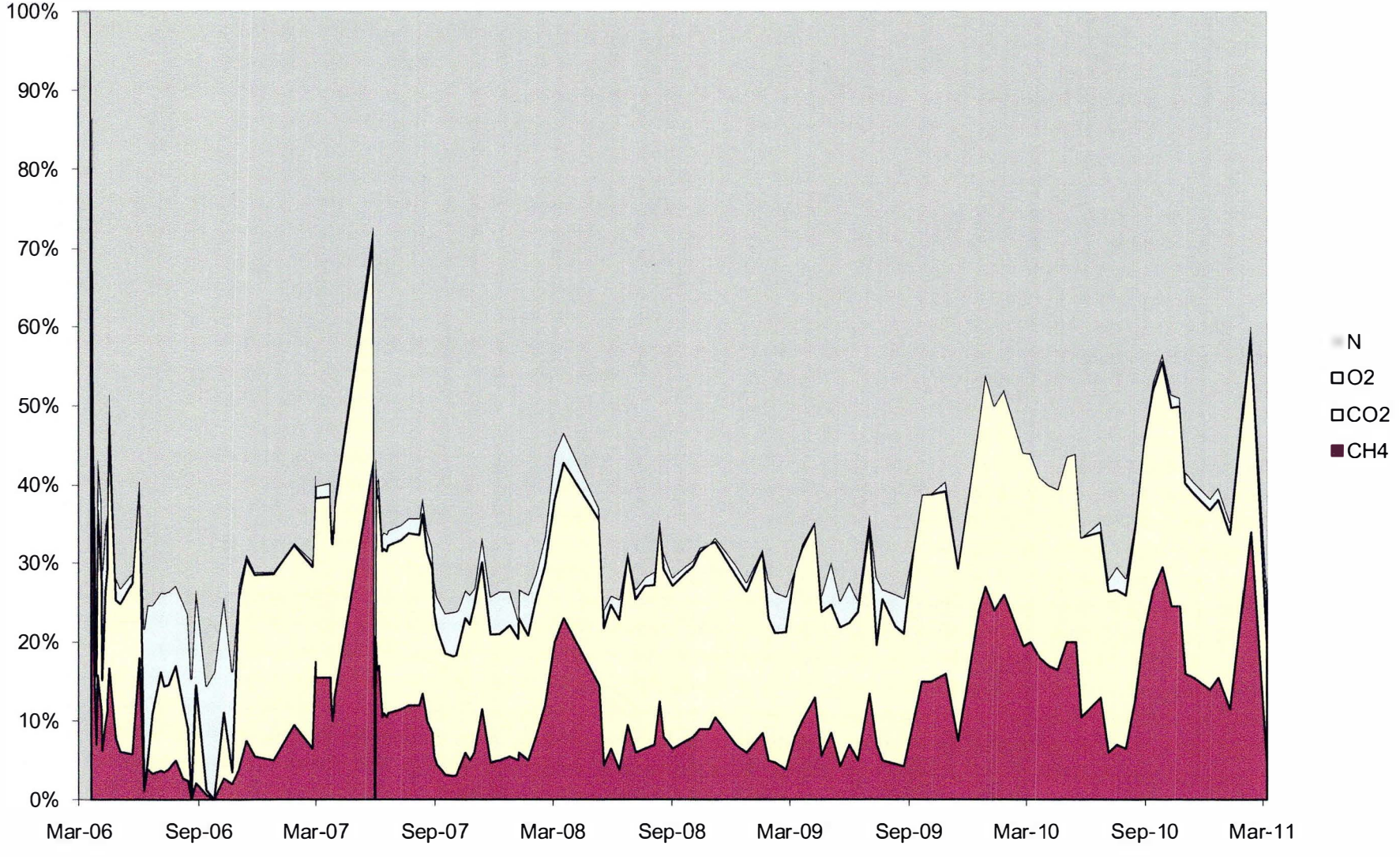

Chart 12: LC-2 Gas Concentrations

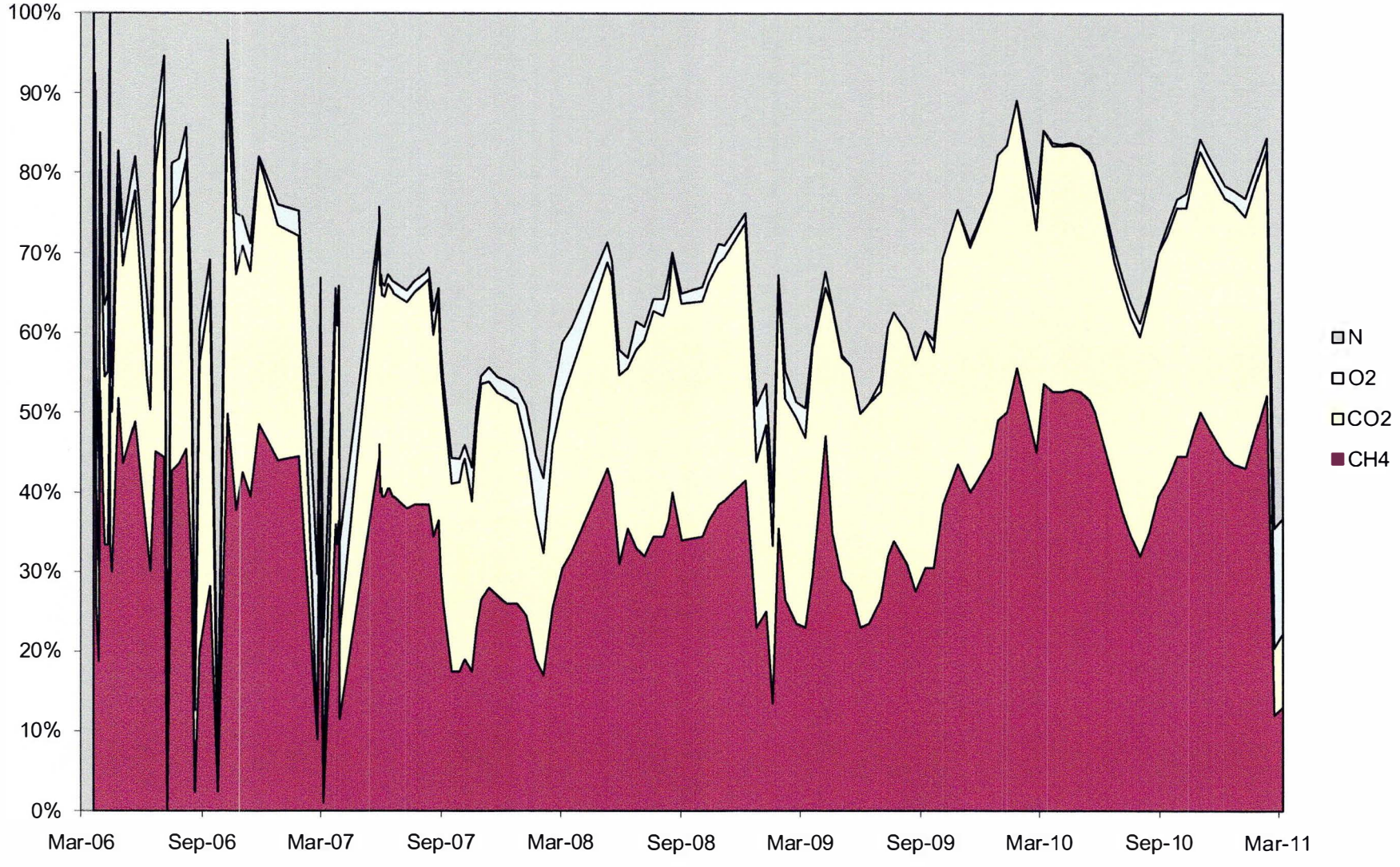

Chart 13: LC-3 Gas Concentrations

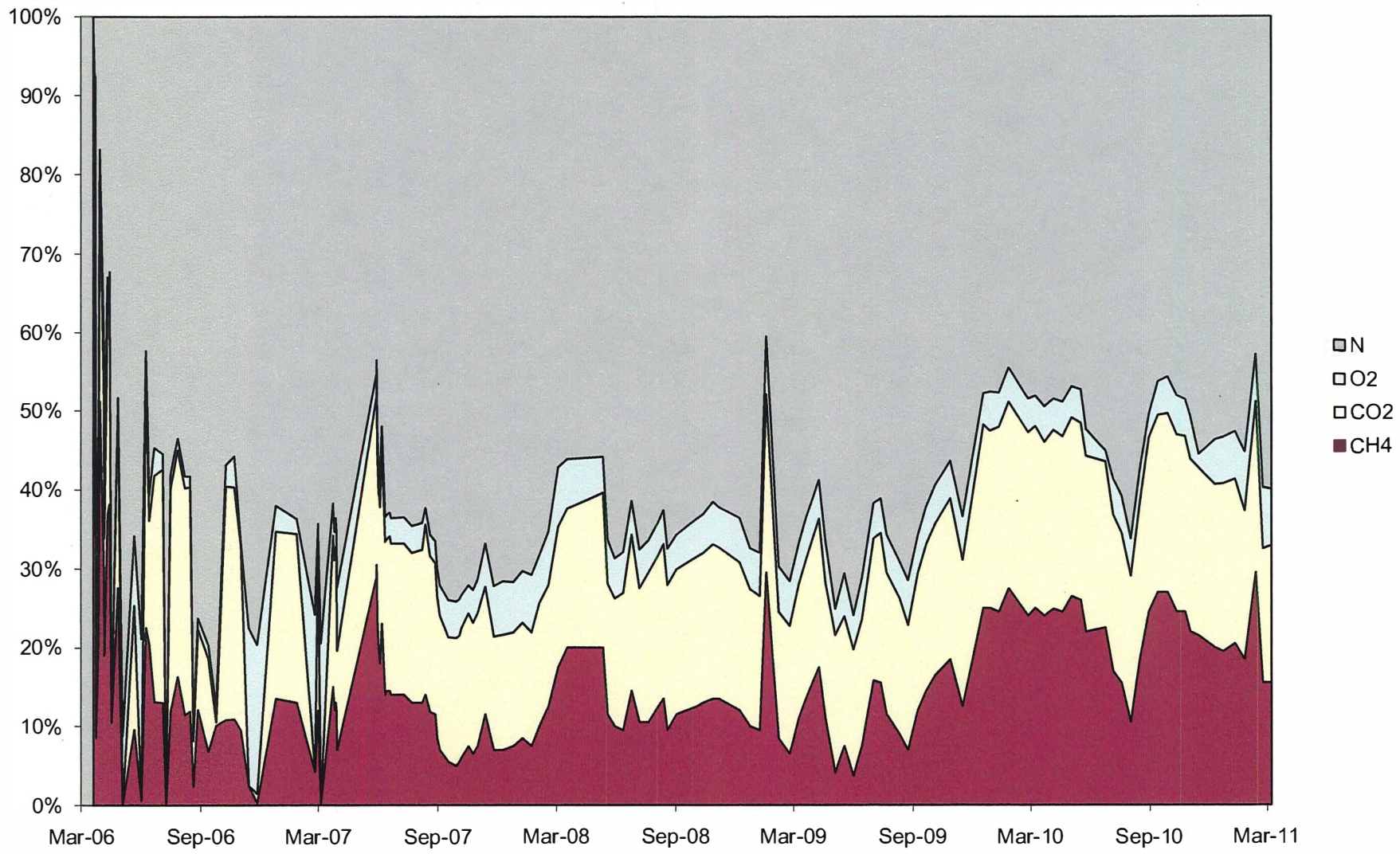

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Chart 14: System Exhaust

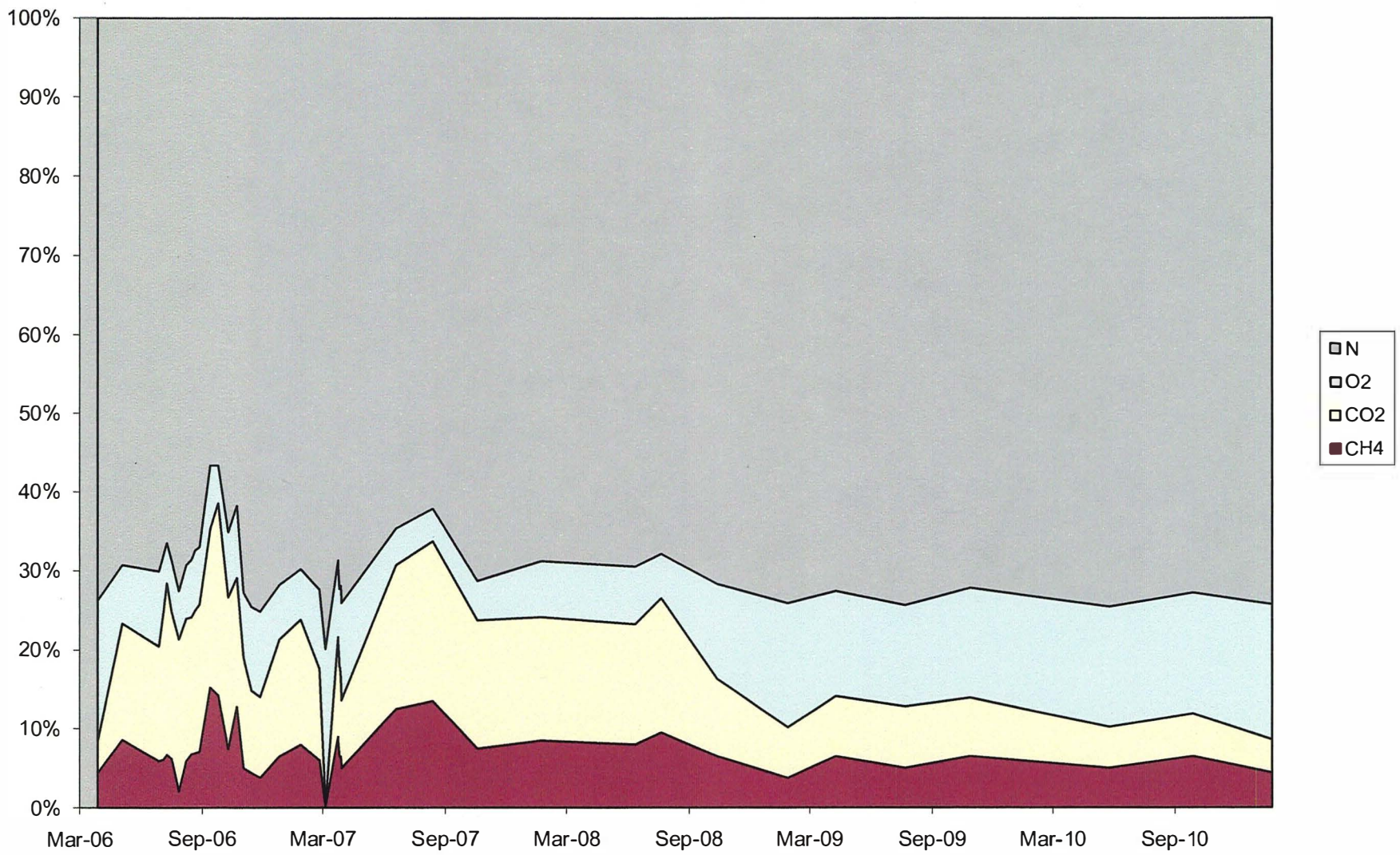

Chart 15: GP-1 Gas Concentrations

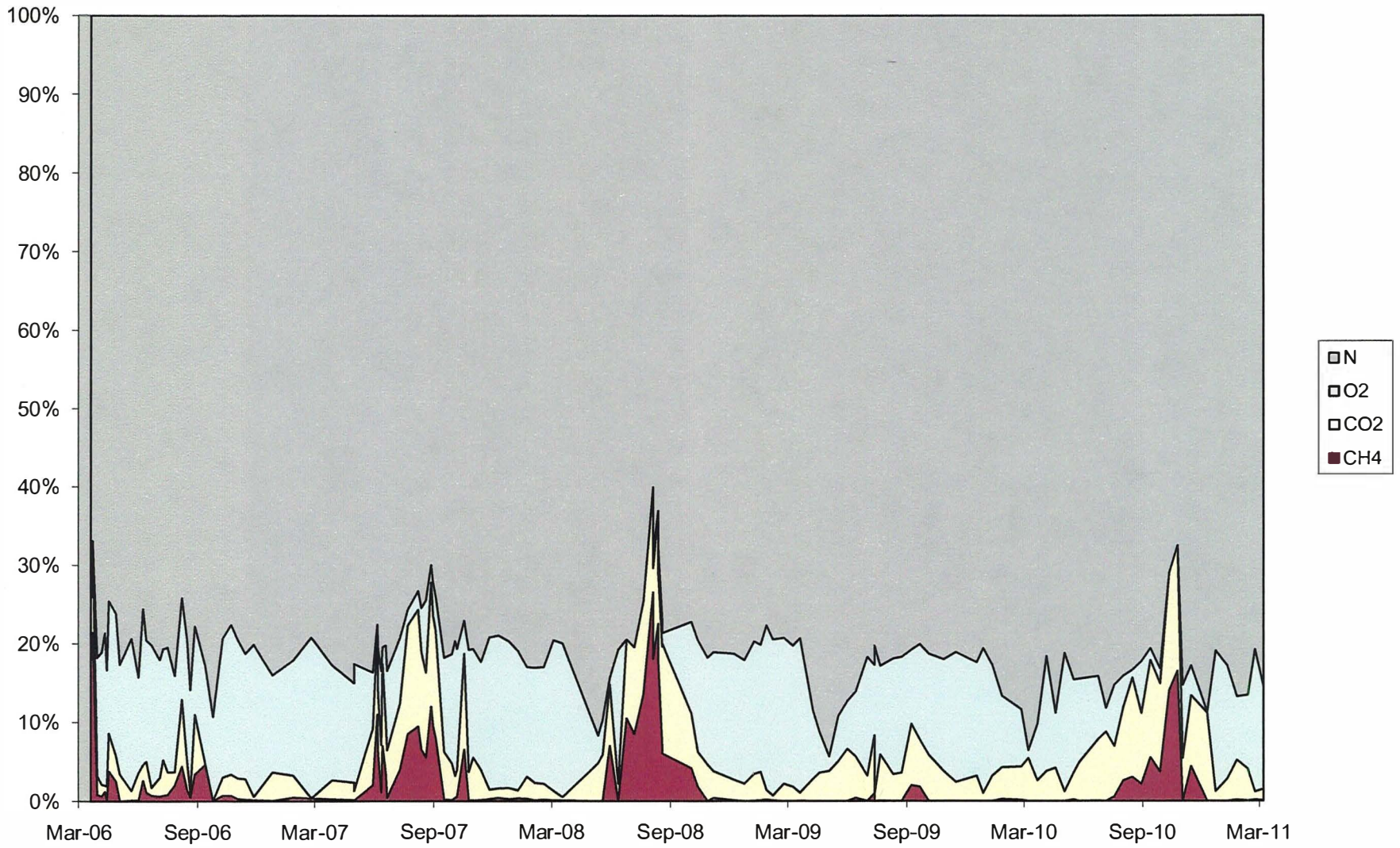

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Chart 16: GP-2 Gas Concentrations

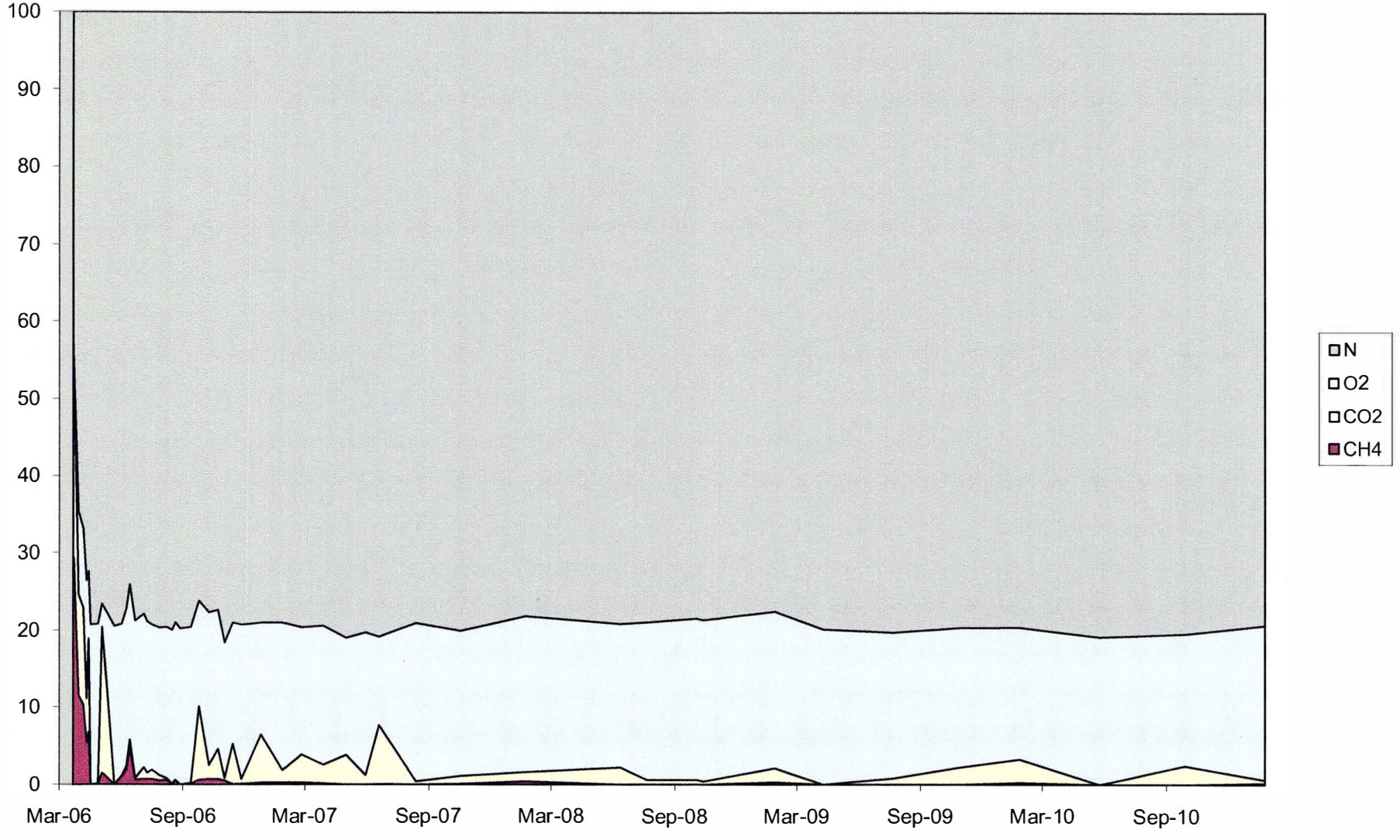

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Chart 17: GP-3 Gas Concentrations

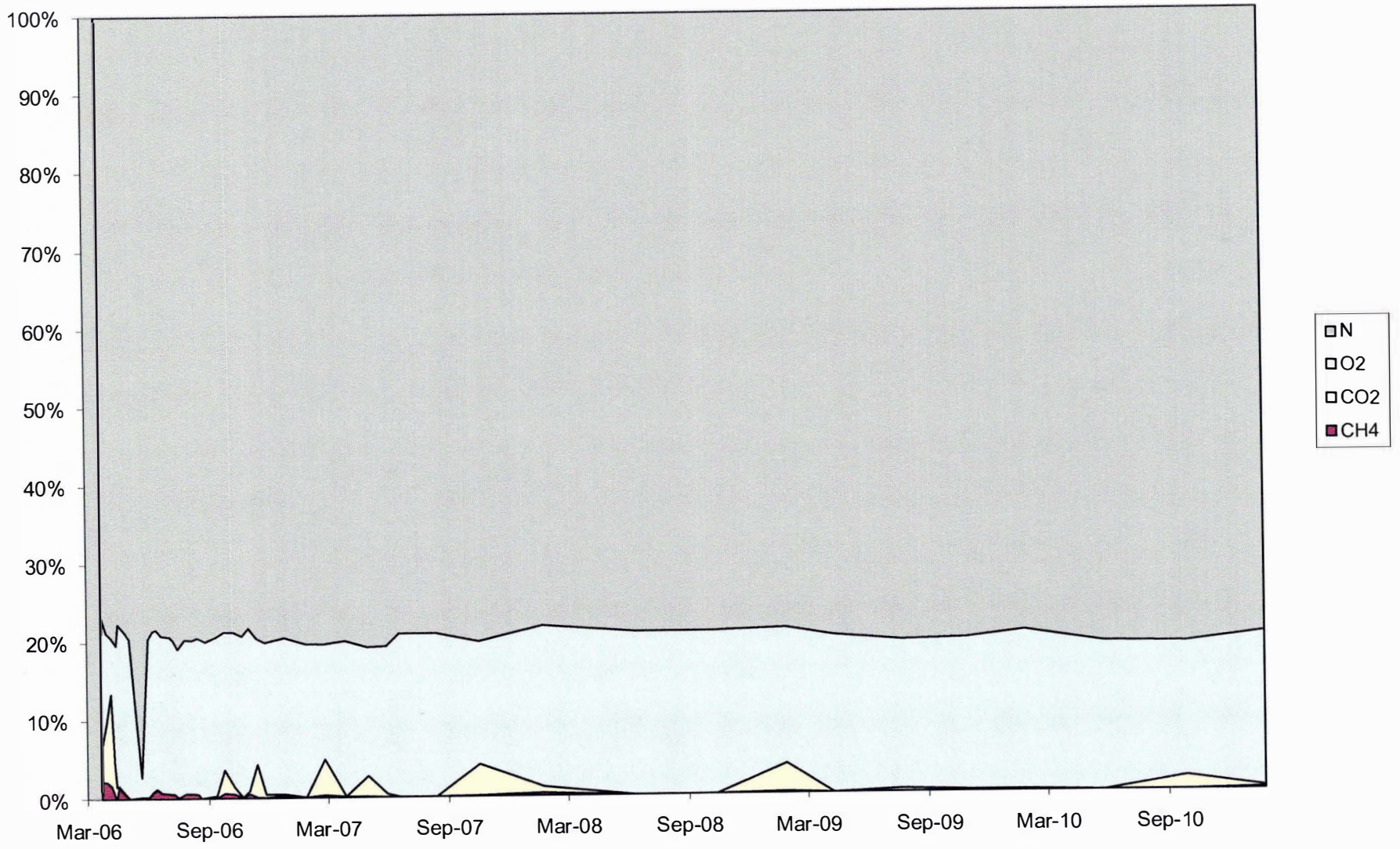

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Chart 18: GP-4 Gas Concentrations

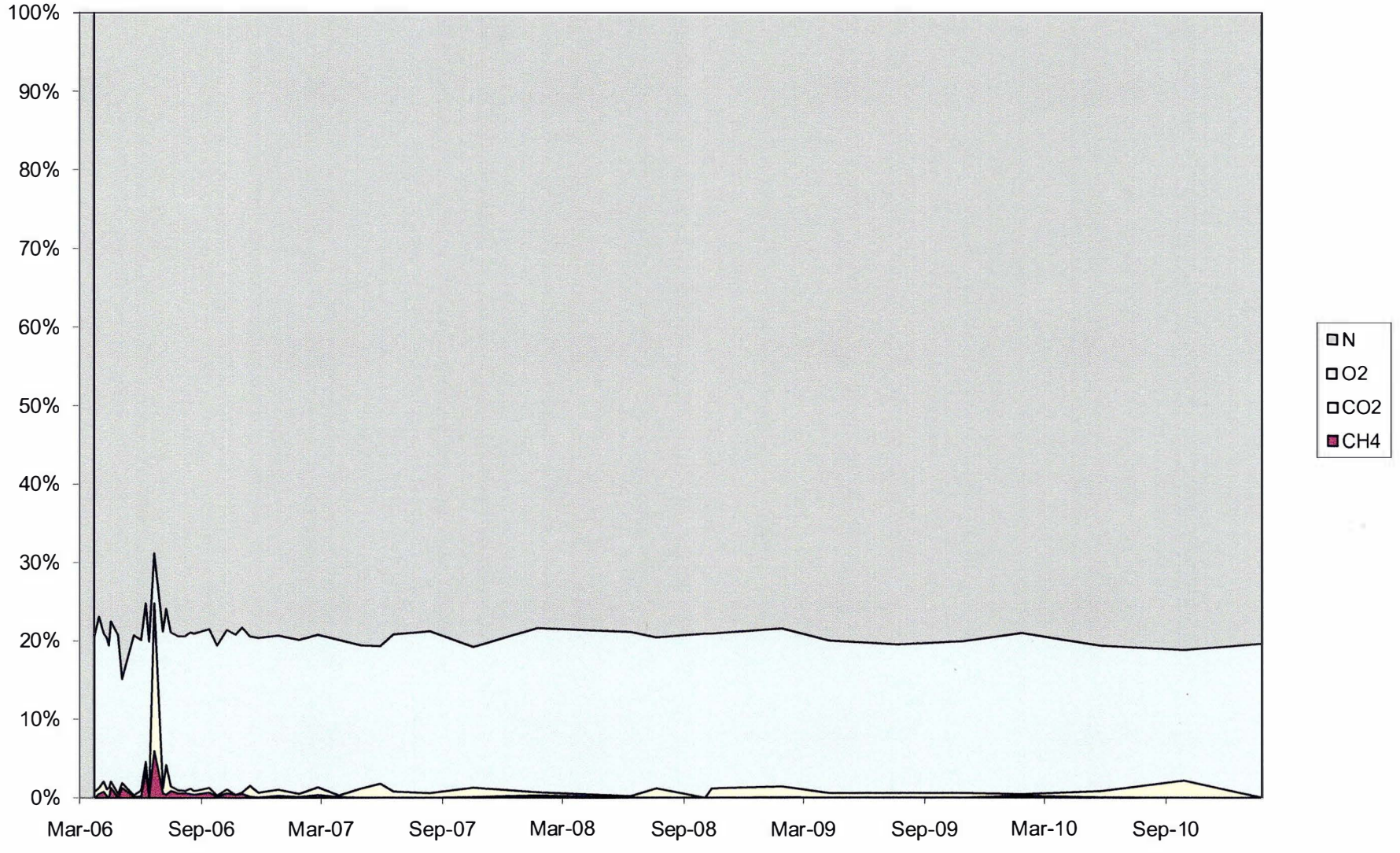
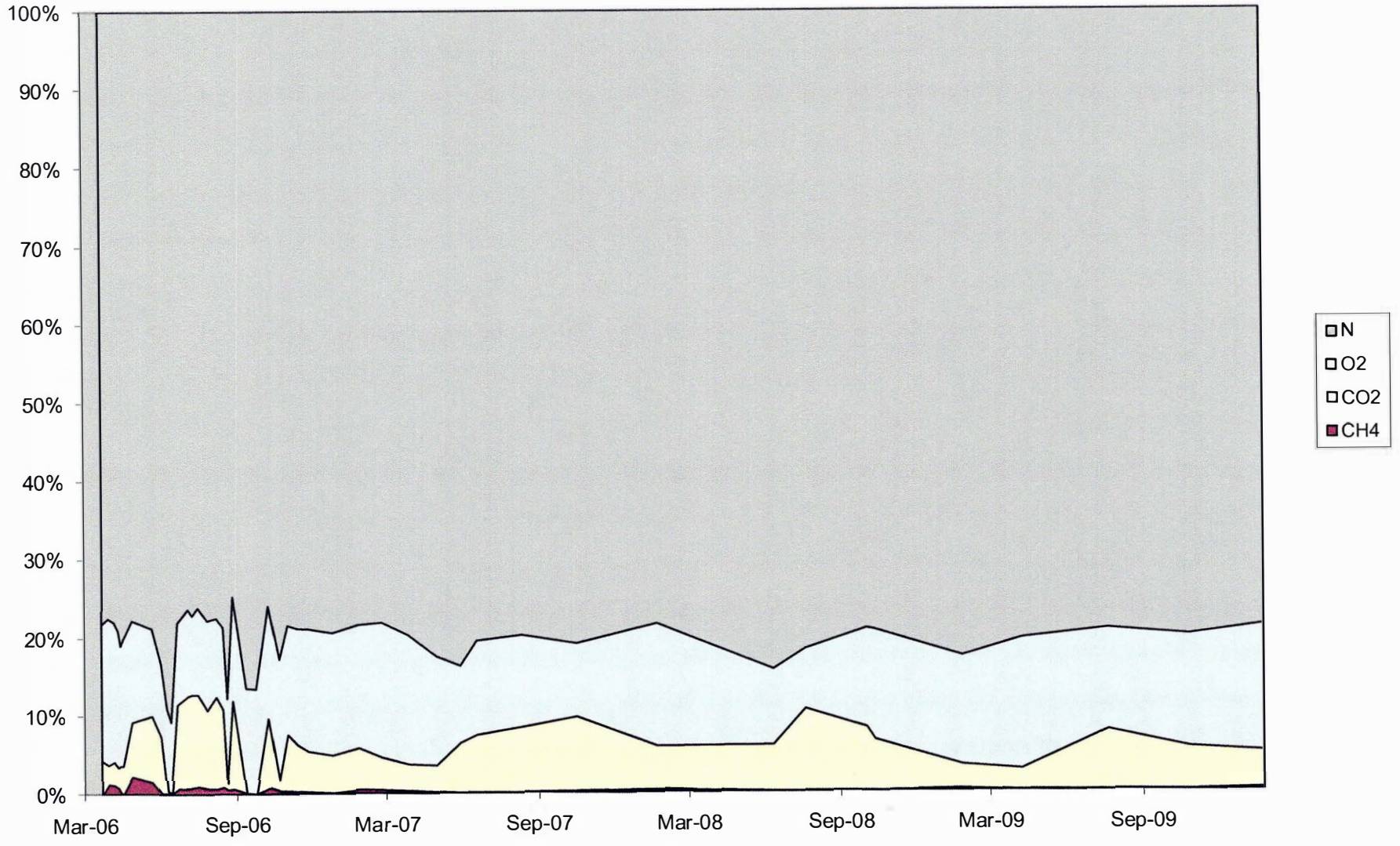


Chart 19: GP-5 Gas Concentrations



P:\Ripon_Landfill\2011\January 2011\Tables\Table 6 Gas Monitoring Results

Chart 20: GP-6 Gas Concentrations

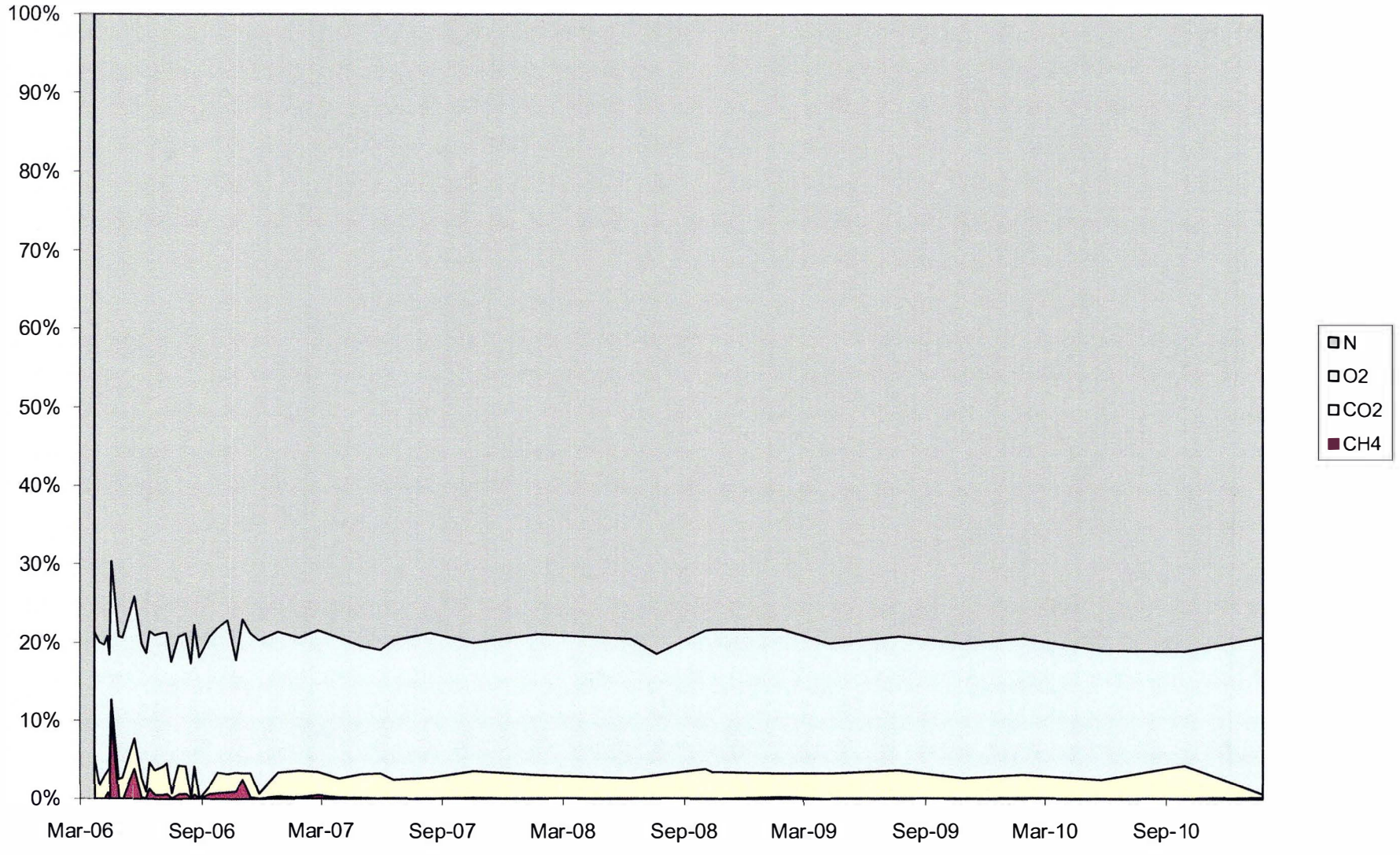


Chart 21: GP-7 Gas Concentrations

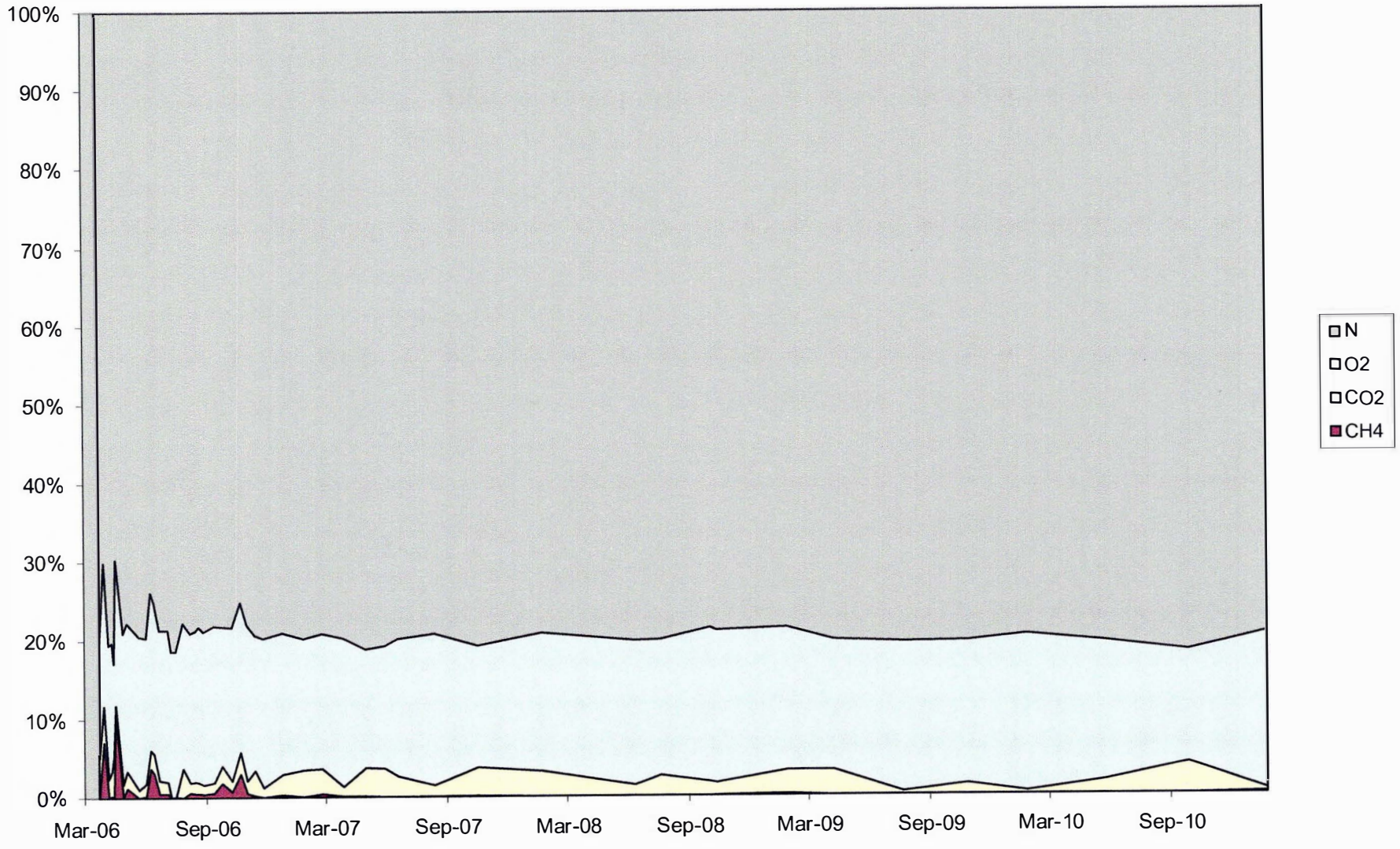


Chart 22: GP-8 Gas Concentrations

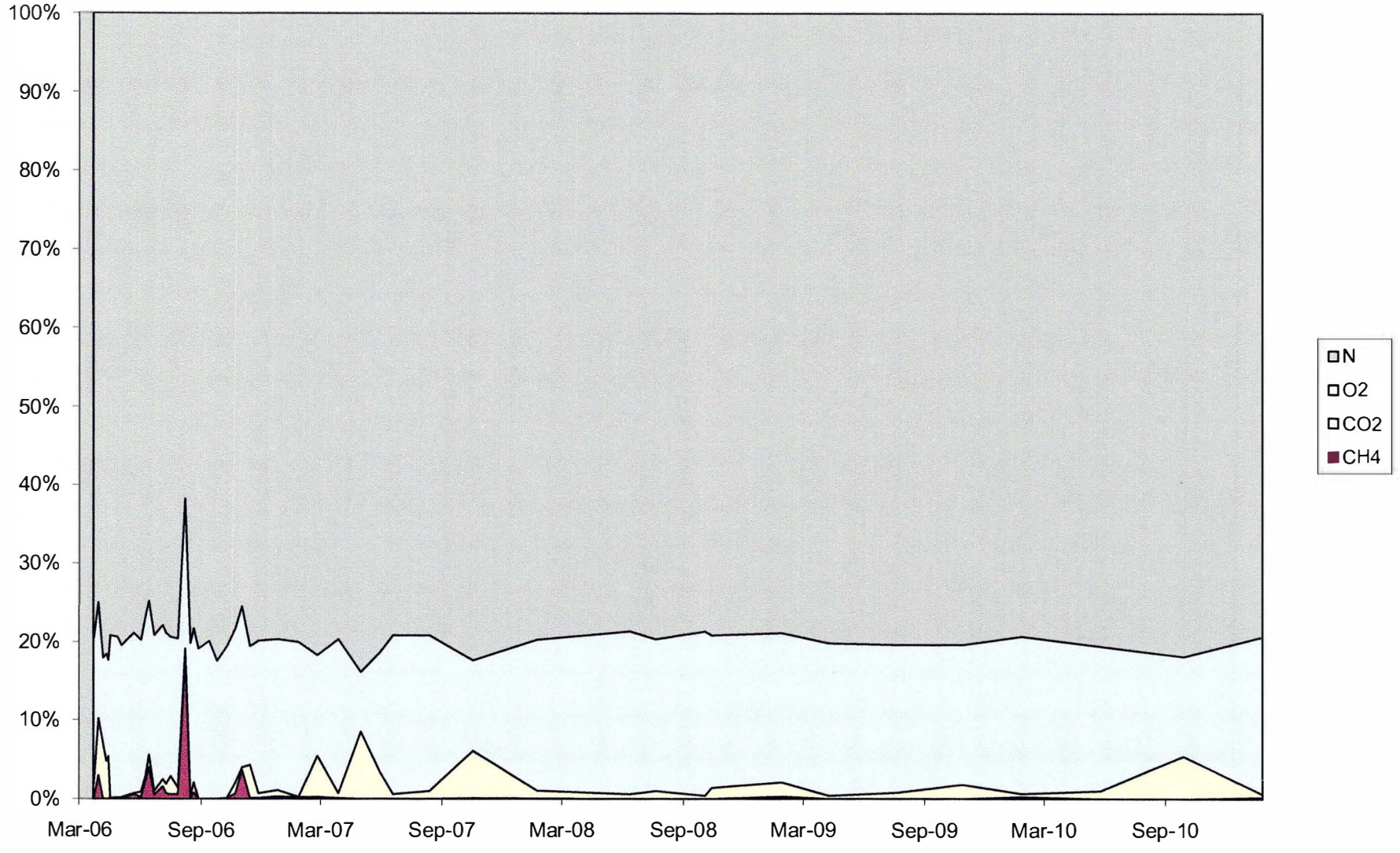
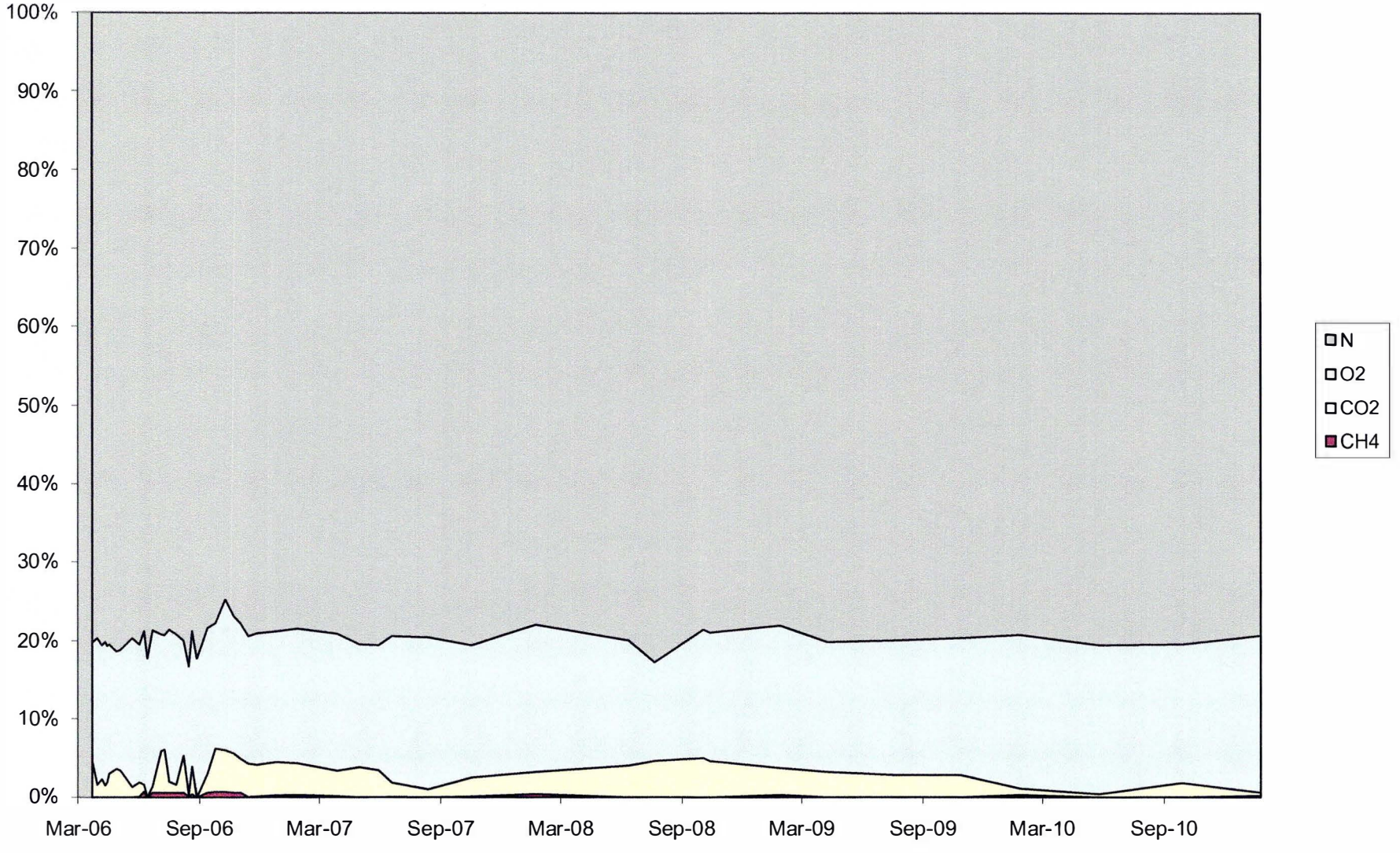


Chart 23: GP-10 Gas Concentrations



[redacted] [redacted]

Chart 24: GP-11 Gas Concentrations

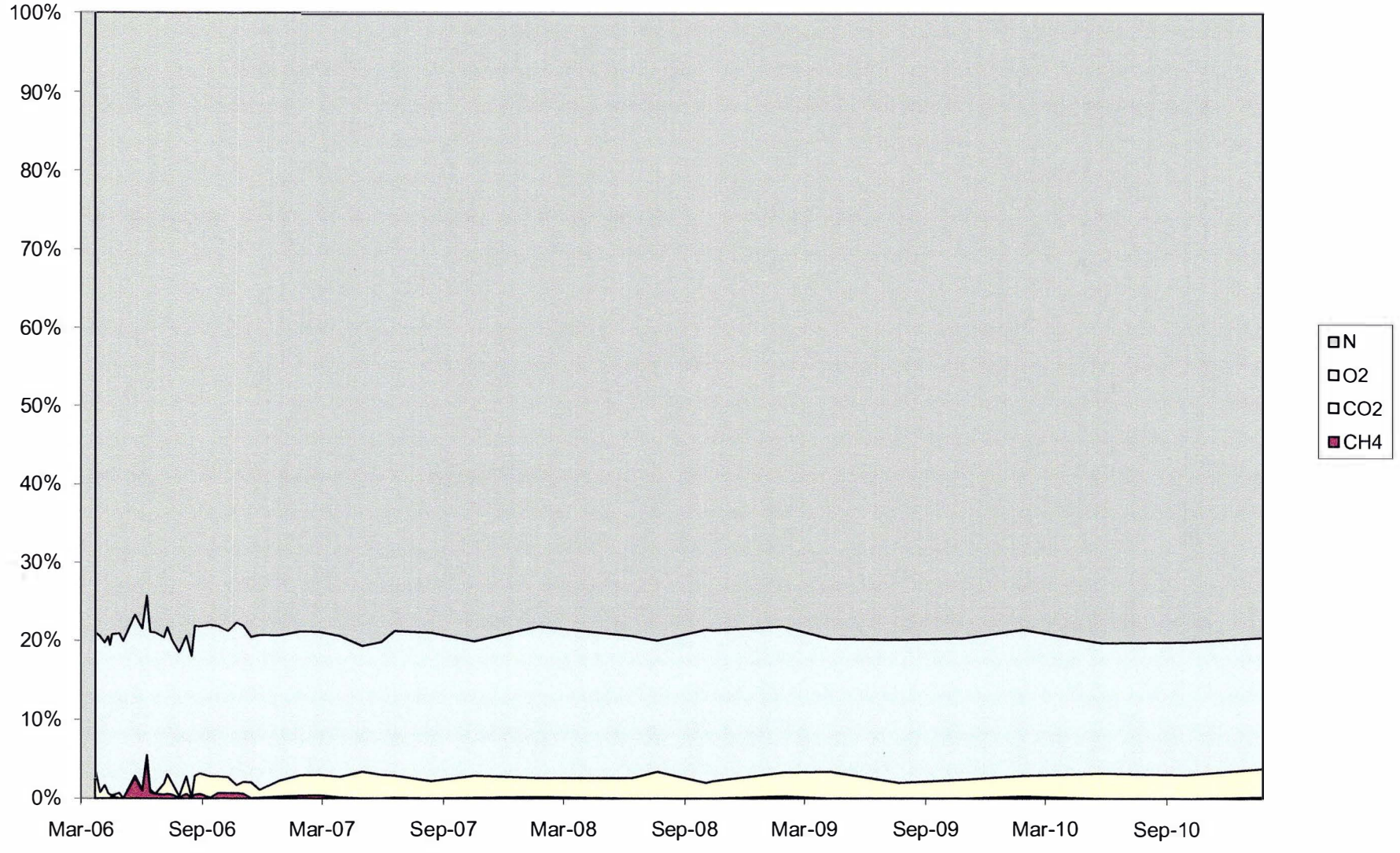


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Chart 25: GP-12 Gas Concentrations

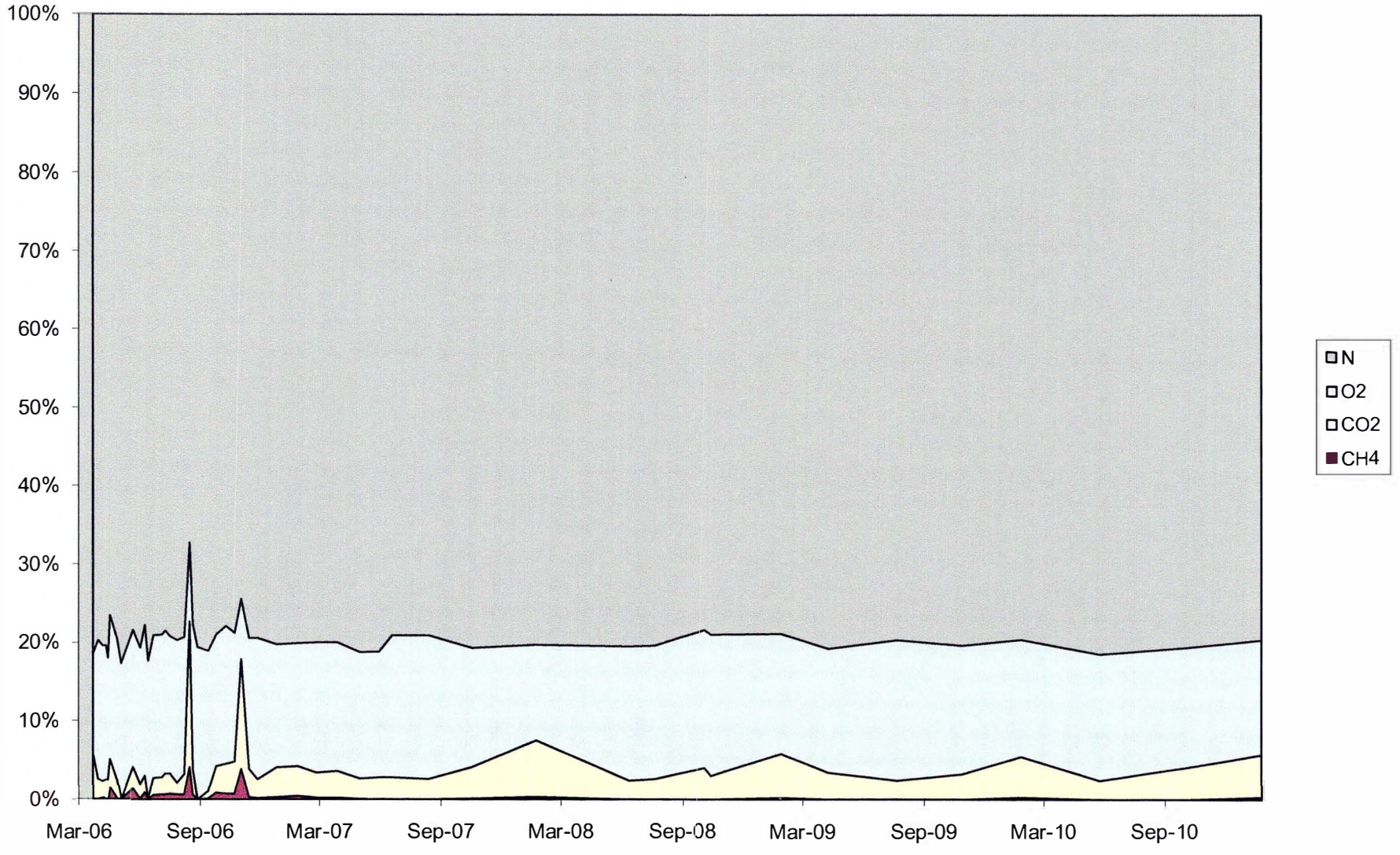

Chart 26: MW-101 Gas Concentrations

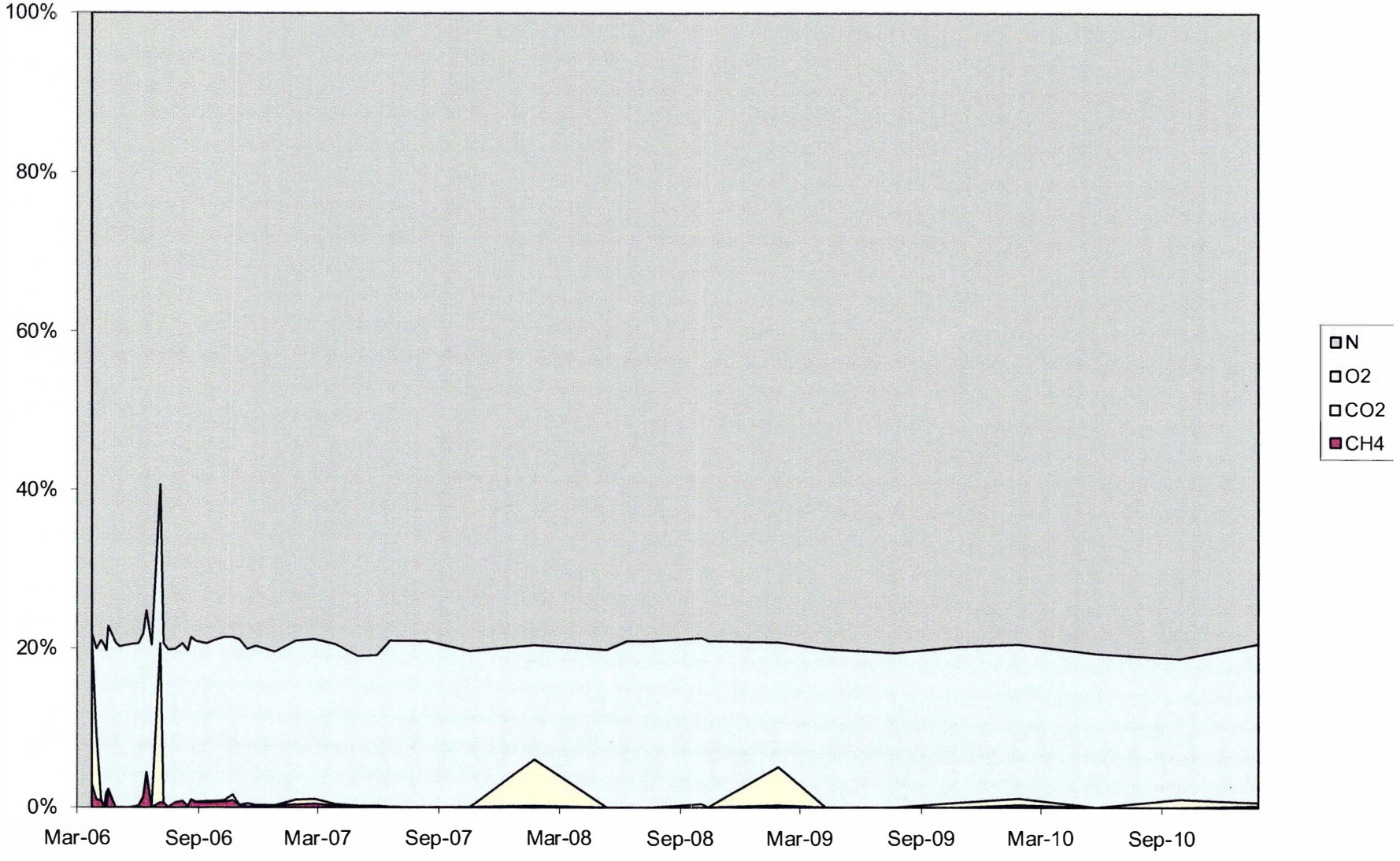

Chart 27: MW-102 Gas Concentrations

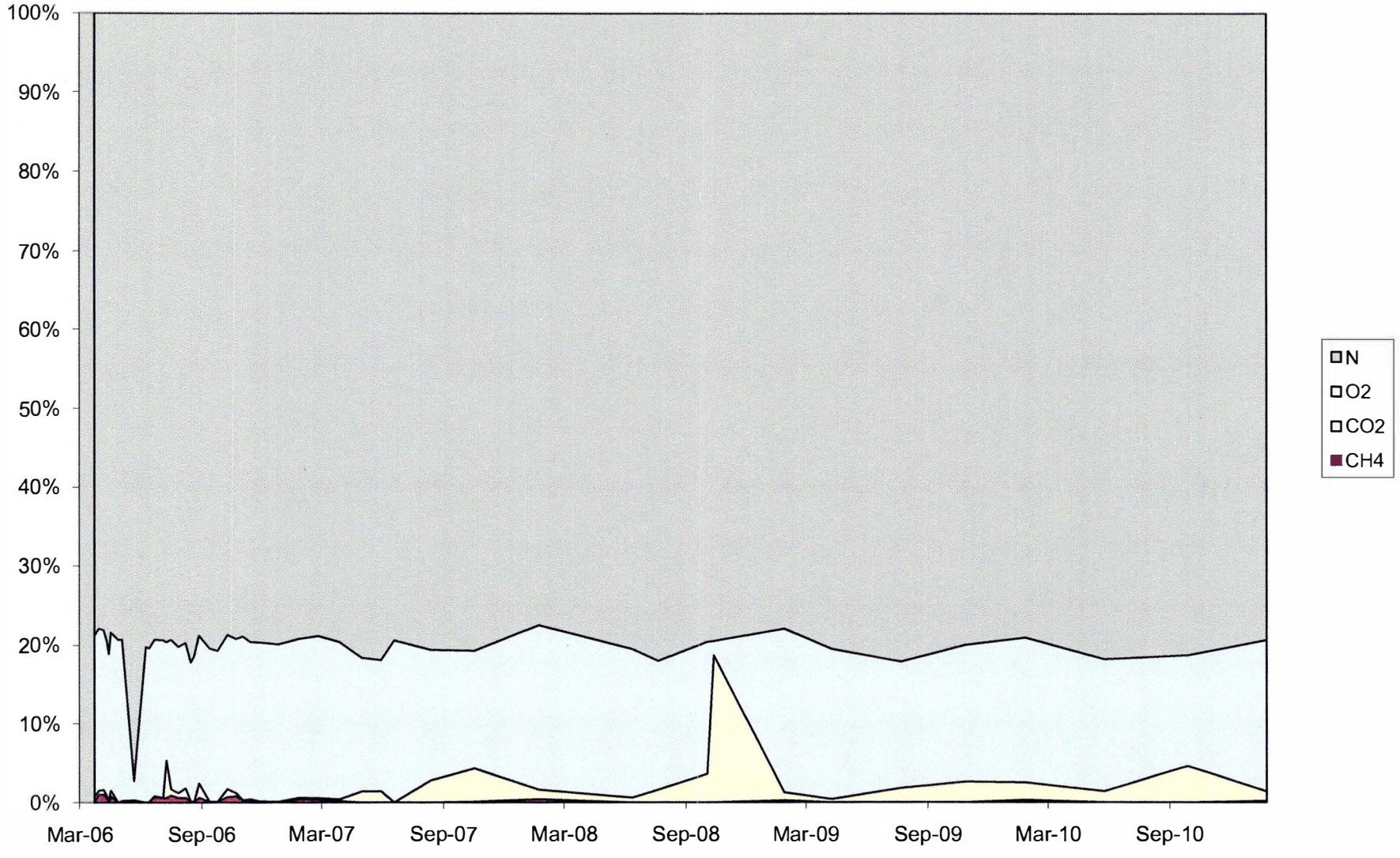

Chart 28: MW-103 Gas Concentrations

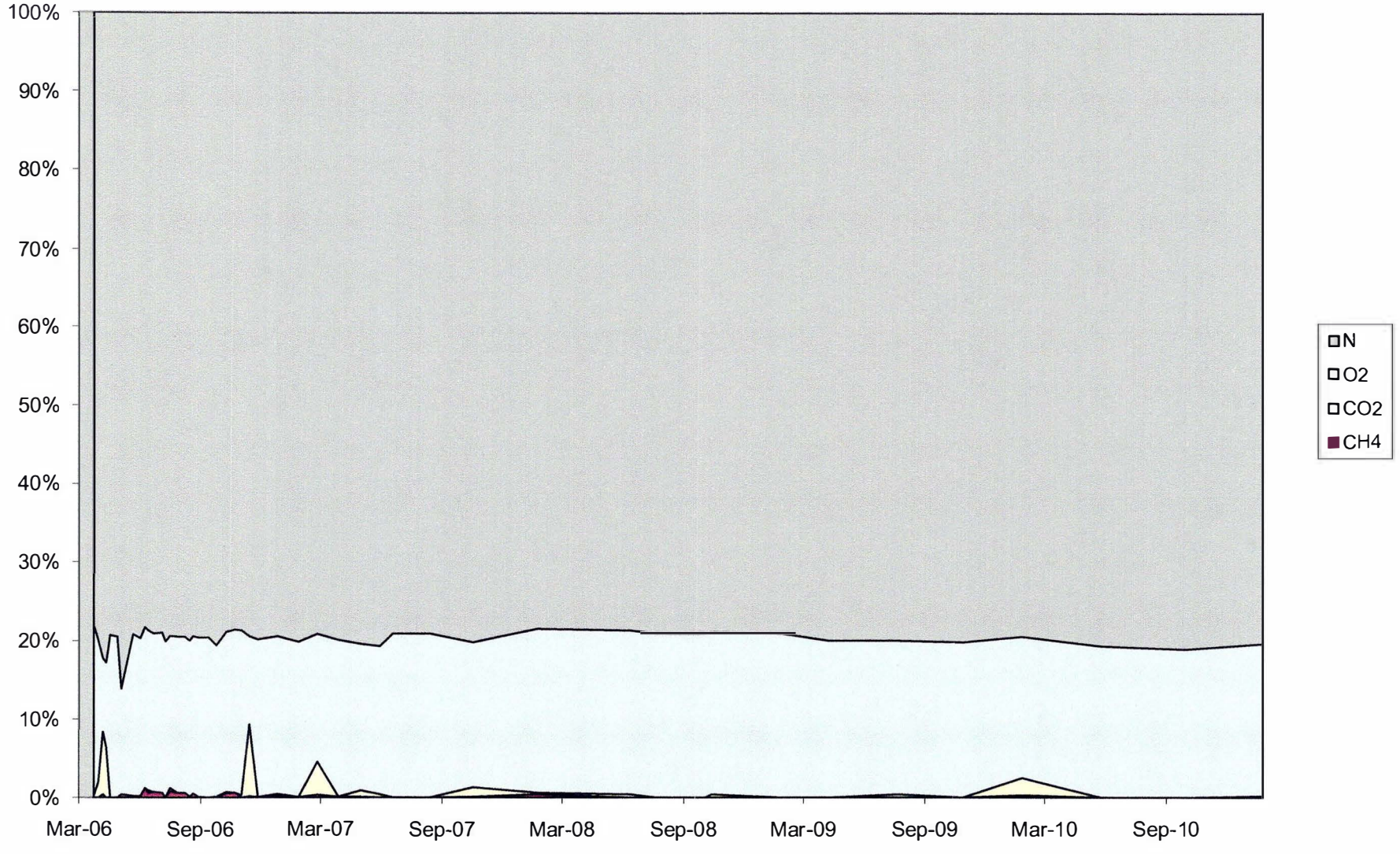

Chart 29: MW-104 Gas Concentrations

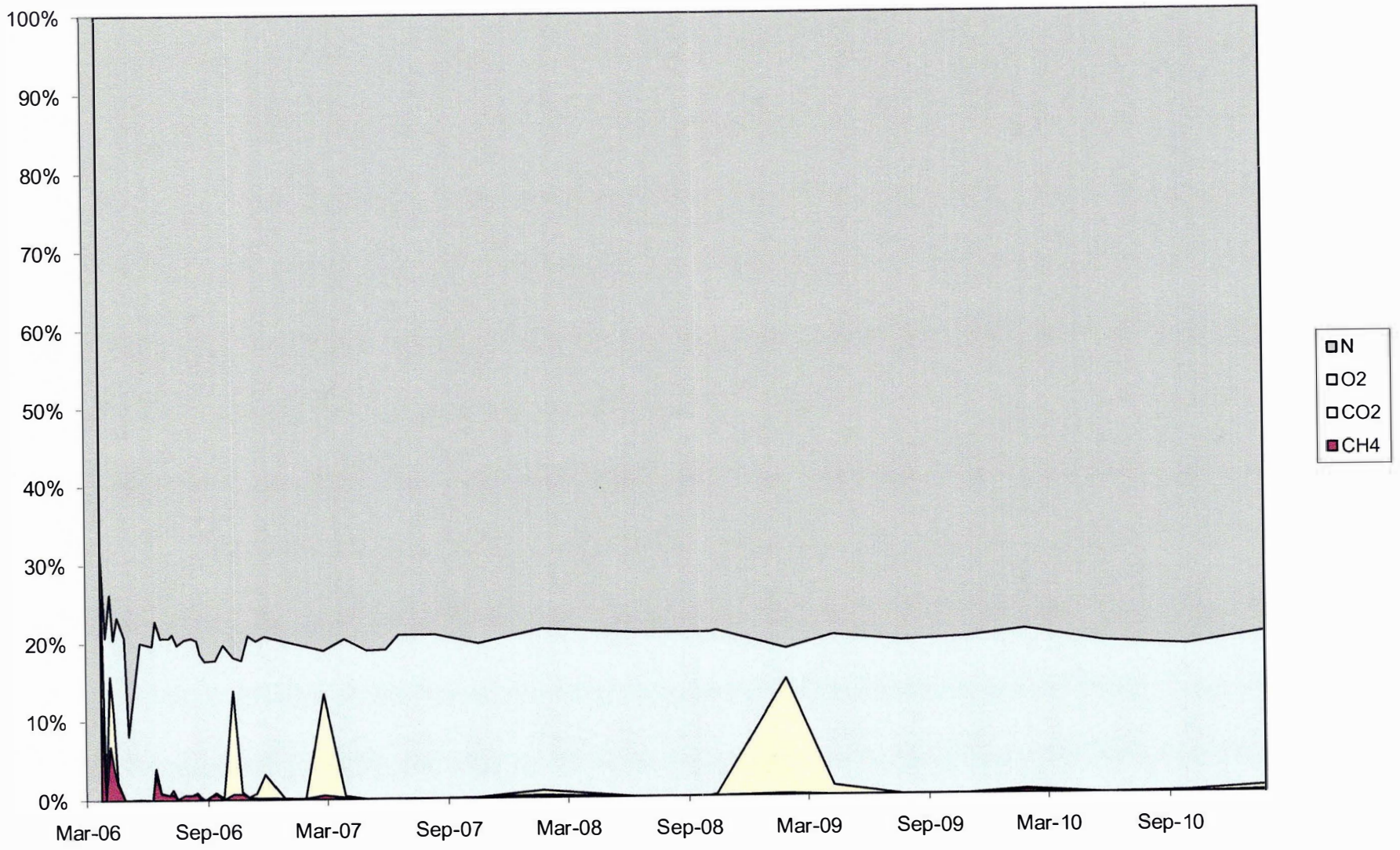

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Chart 30: Barometric Pressure
(Weather Station: Ripon, WI)

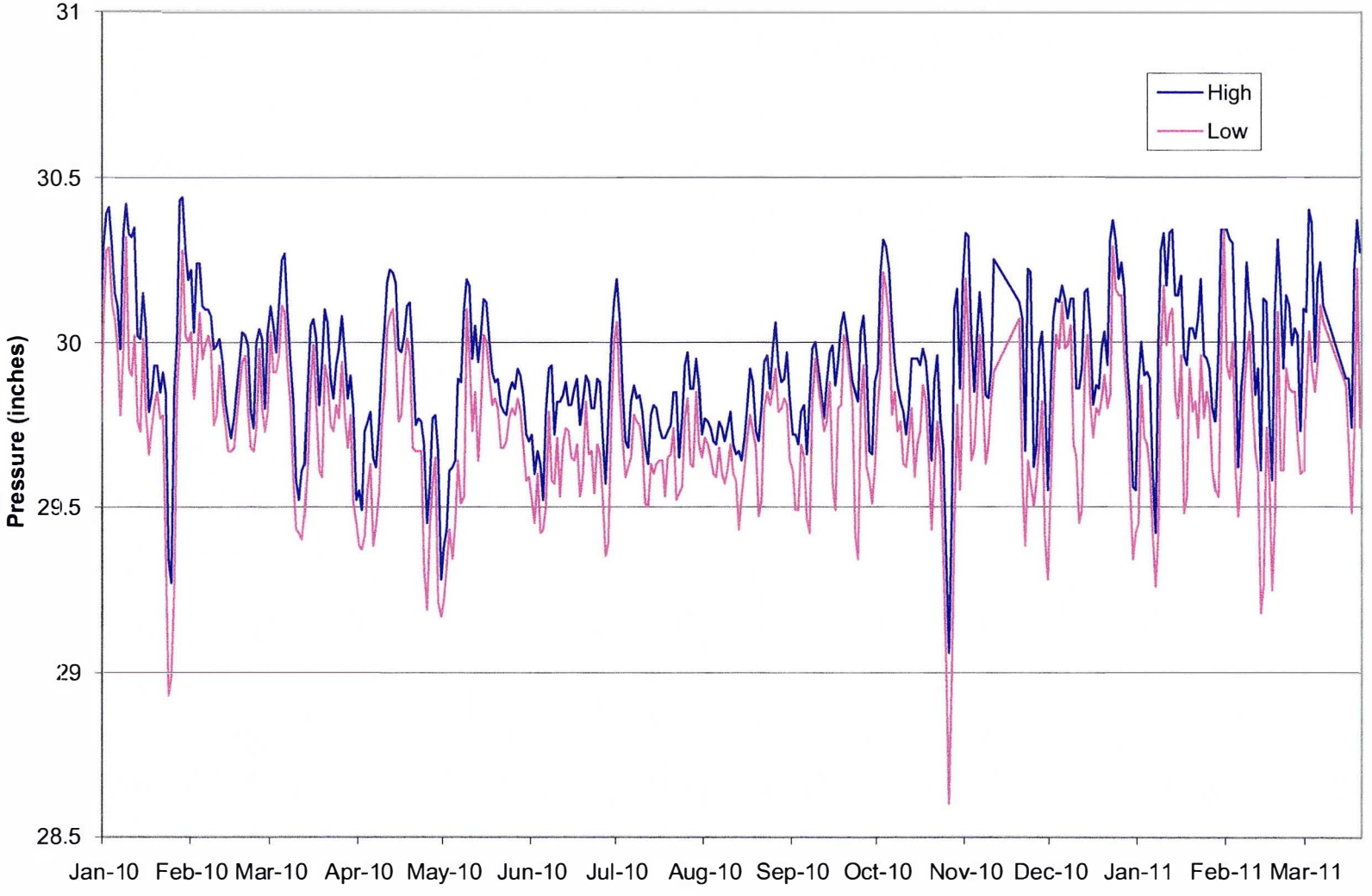


Chart 31: LC-1
Total Gas VOCs

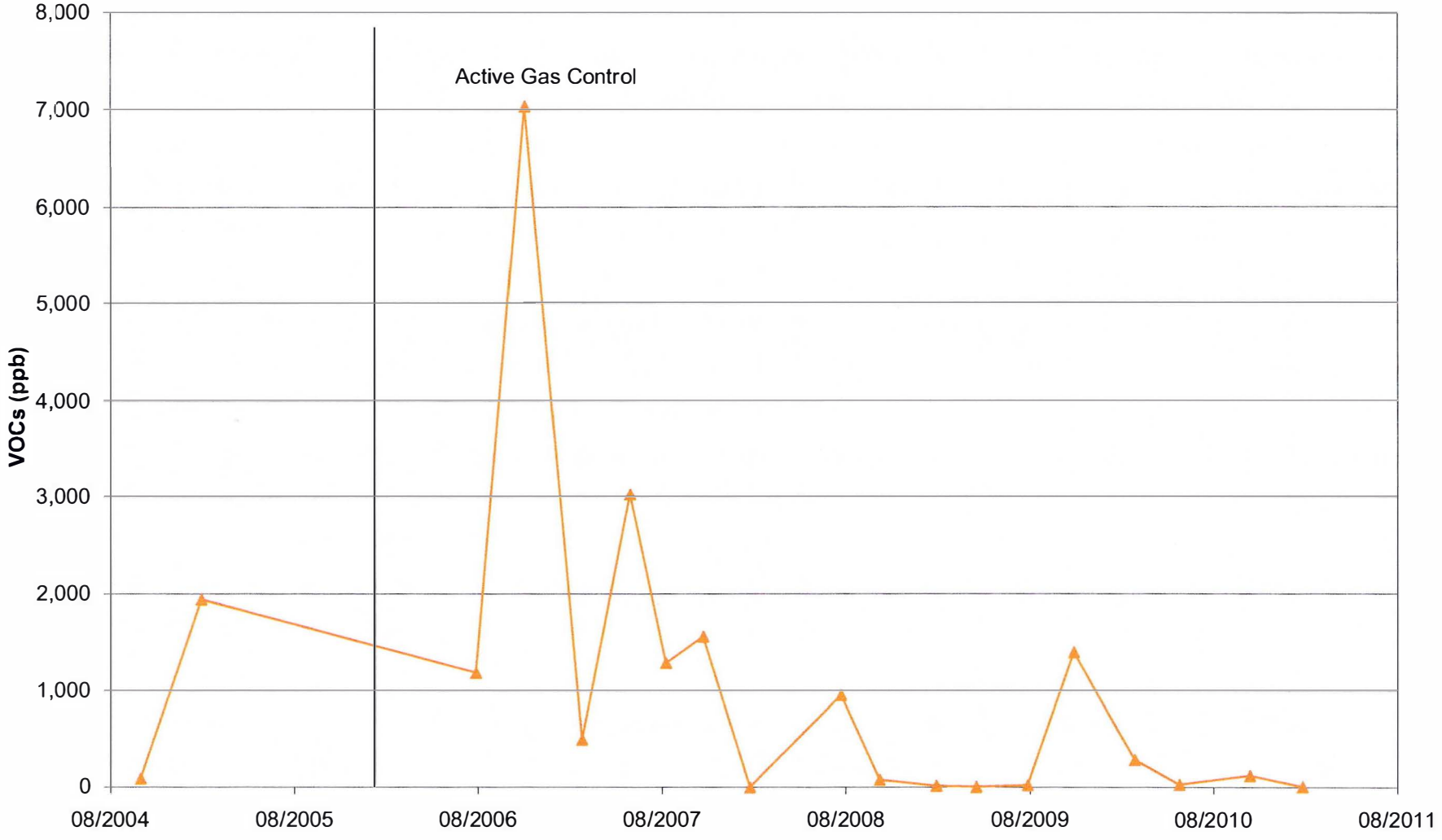


Chart 32: LC-2
Total Gas VOCs

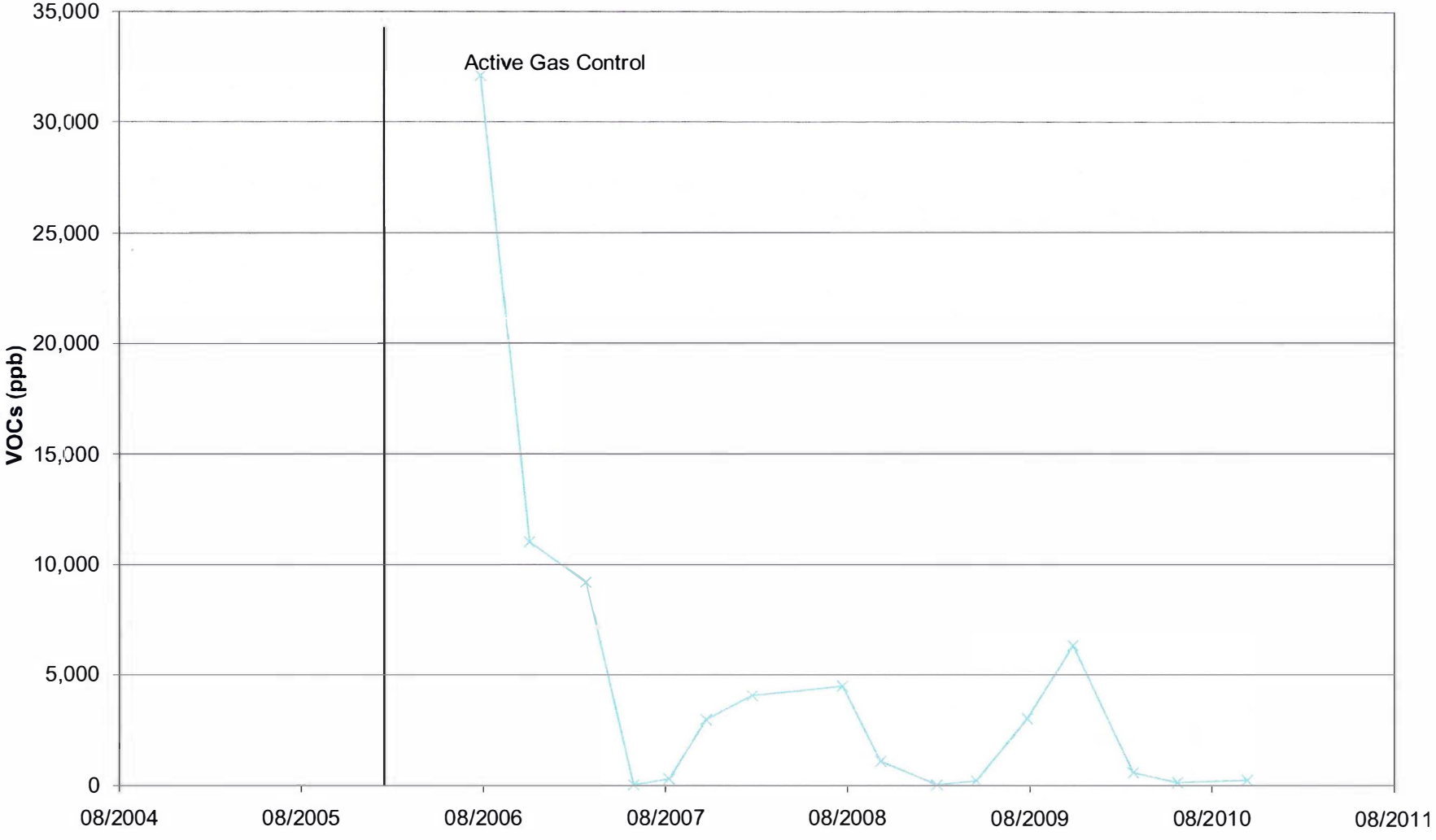


Chart 33: LC-3
Total Gas VOCs

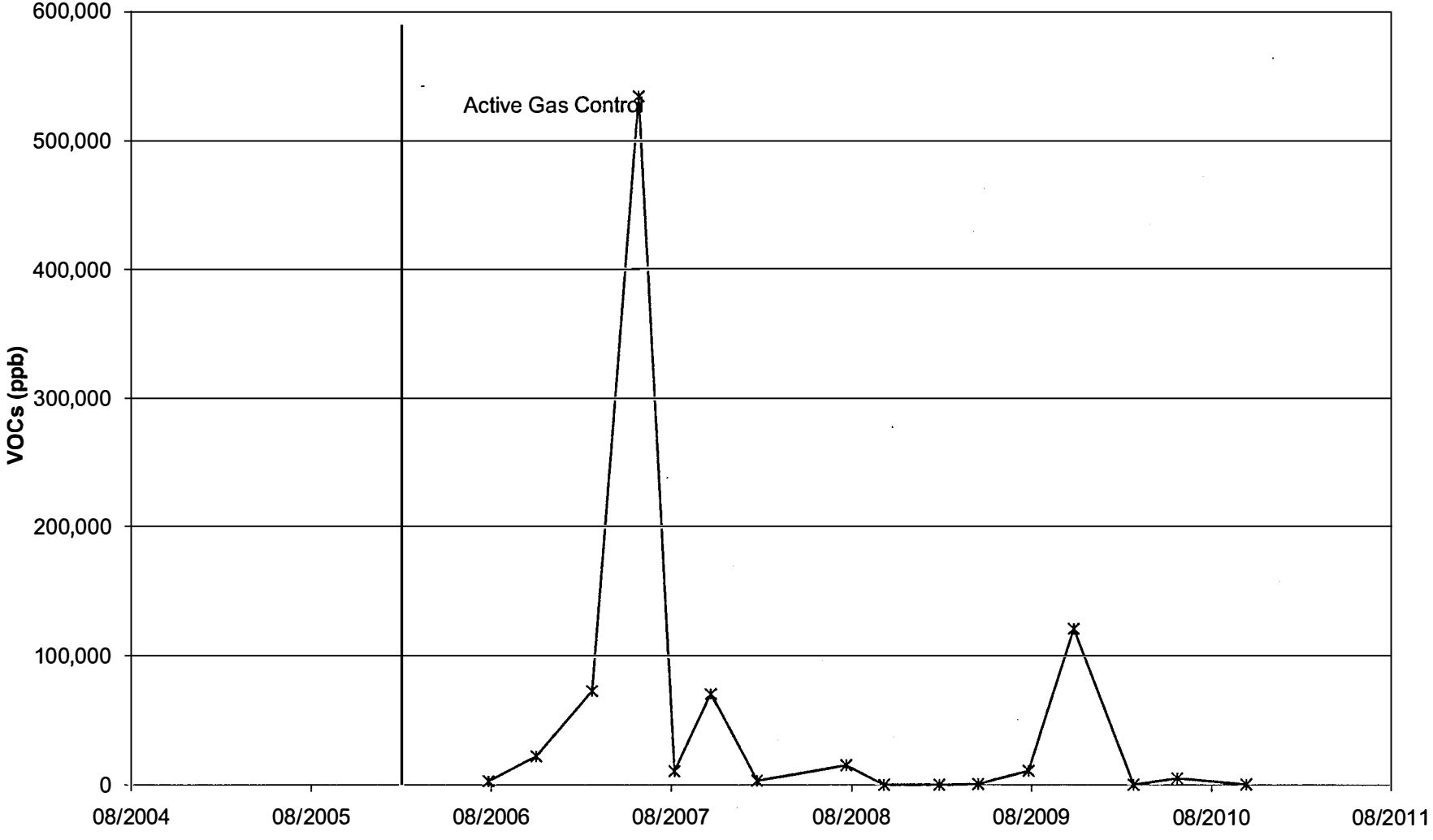


Chart 34: GV-6
Total Gas VOCs

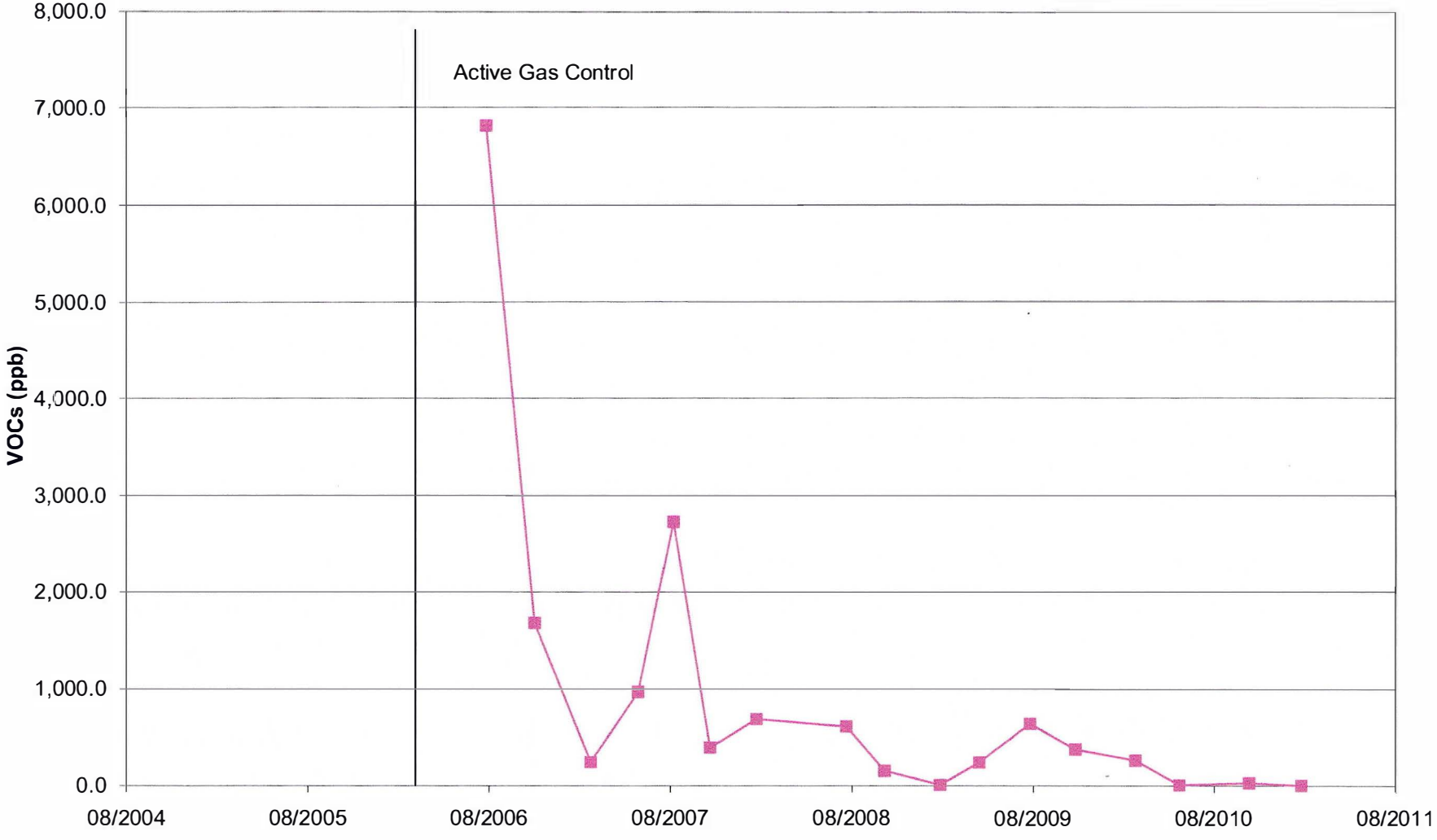
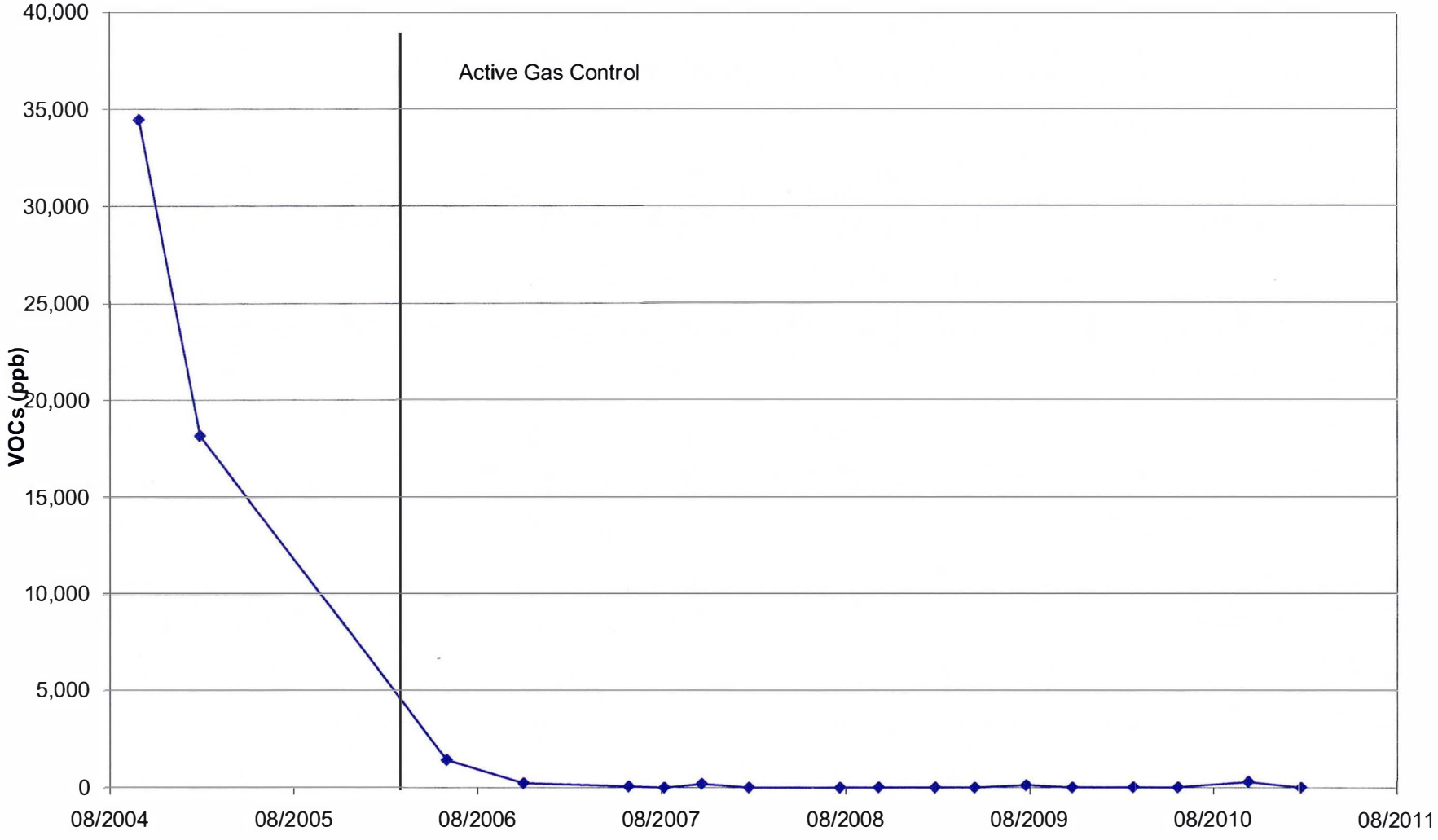


Chart 35: GP-3
Total Gas VOCs



[redacted] [redacted] [redacted]

Chart 36: MW-101
Layer 1 Well

Upgradient

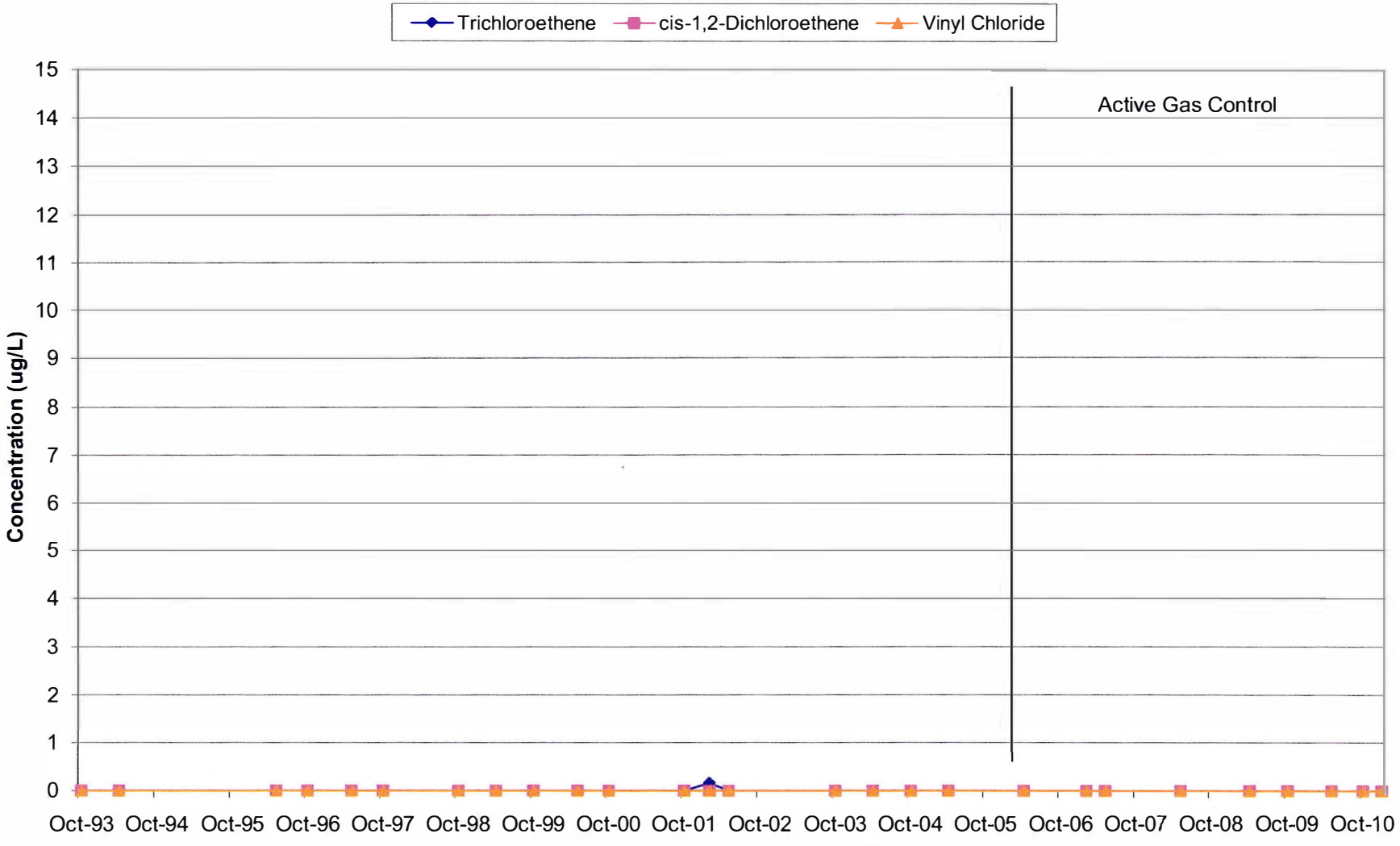


Chart 37: MW-102
Layer 1 Well

Side gradient

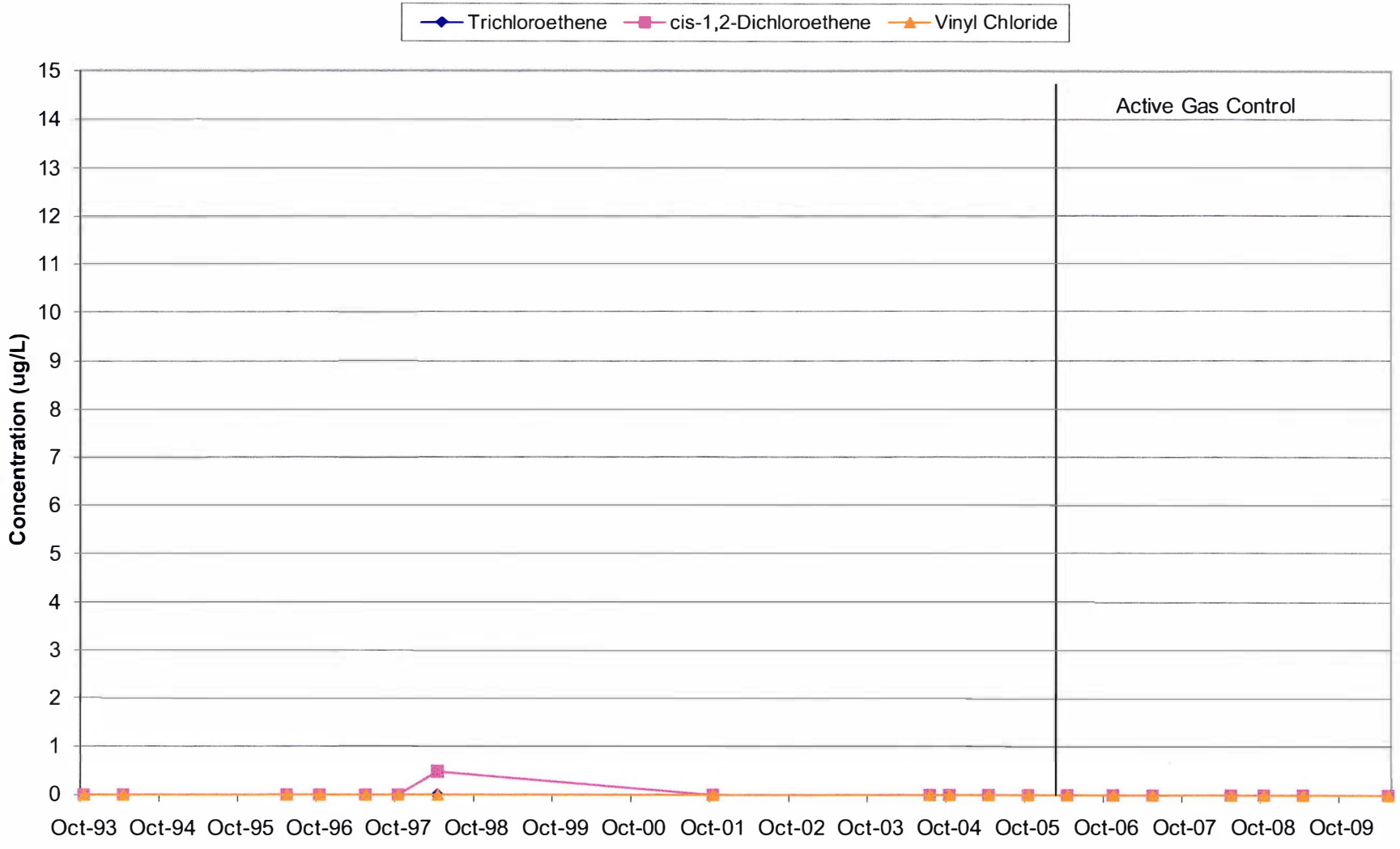


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Chart 38: MW-103
Layer 1 Well

10' Down gradient

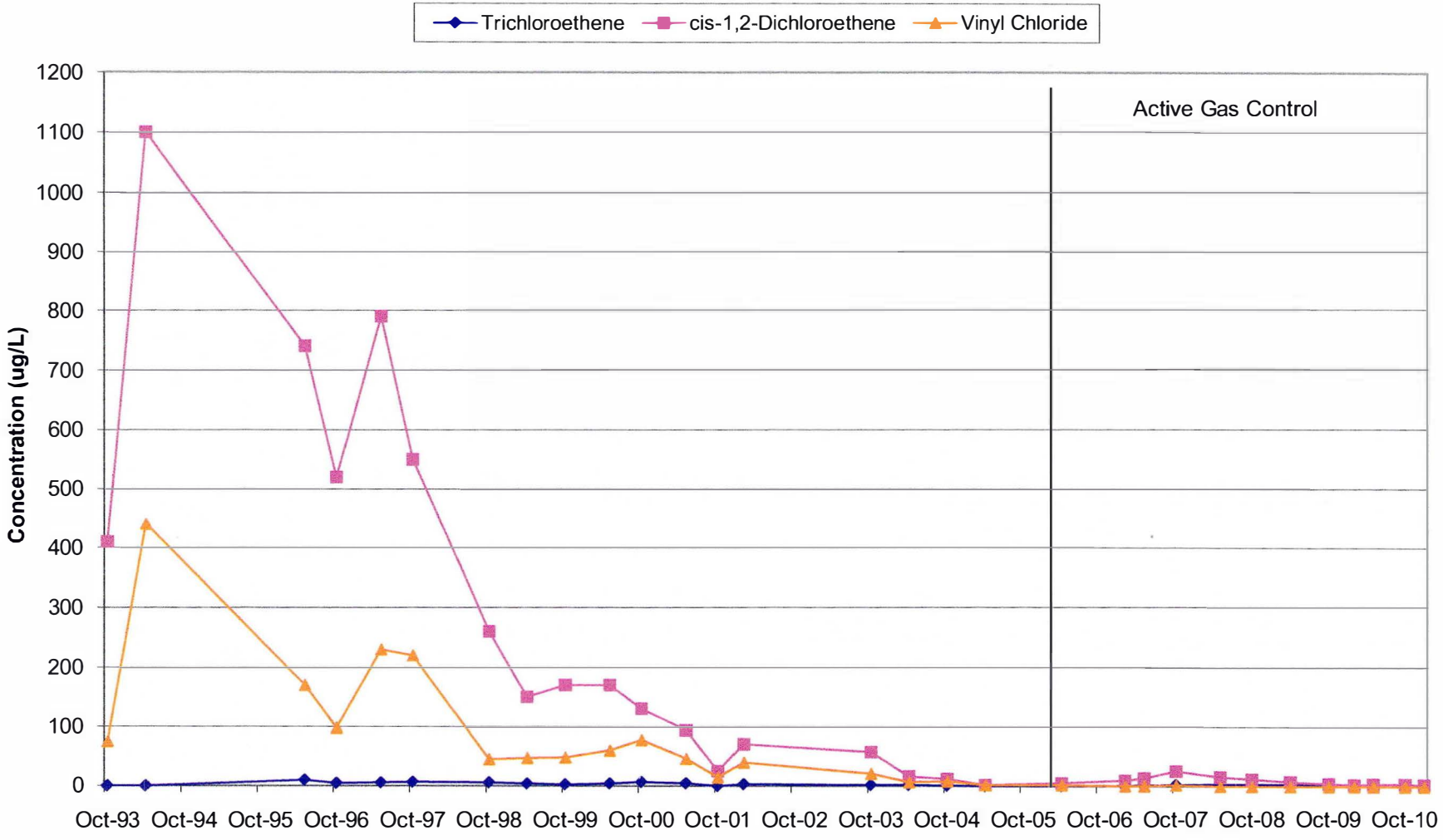

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Chart 39: MW-104
Layer 1 Well

Side gradient

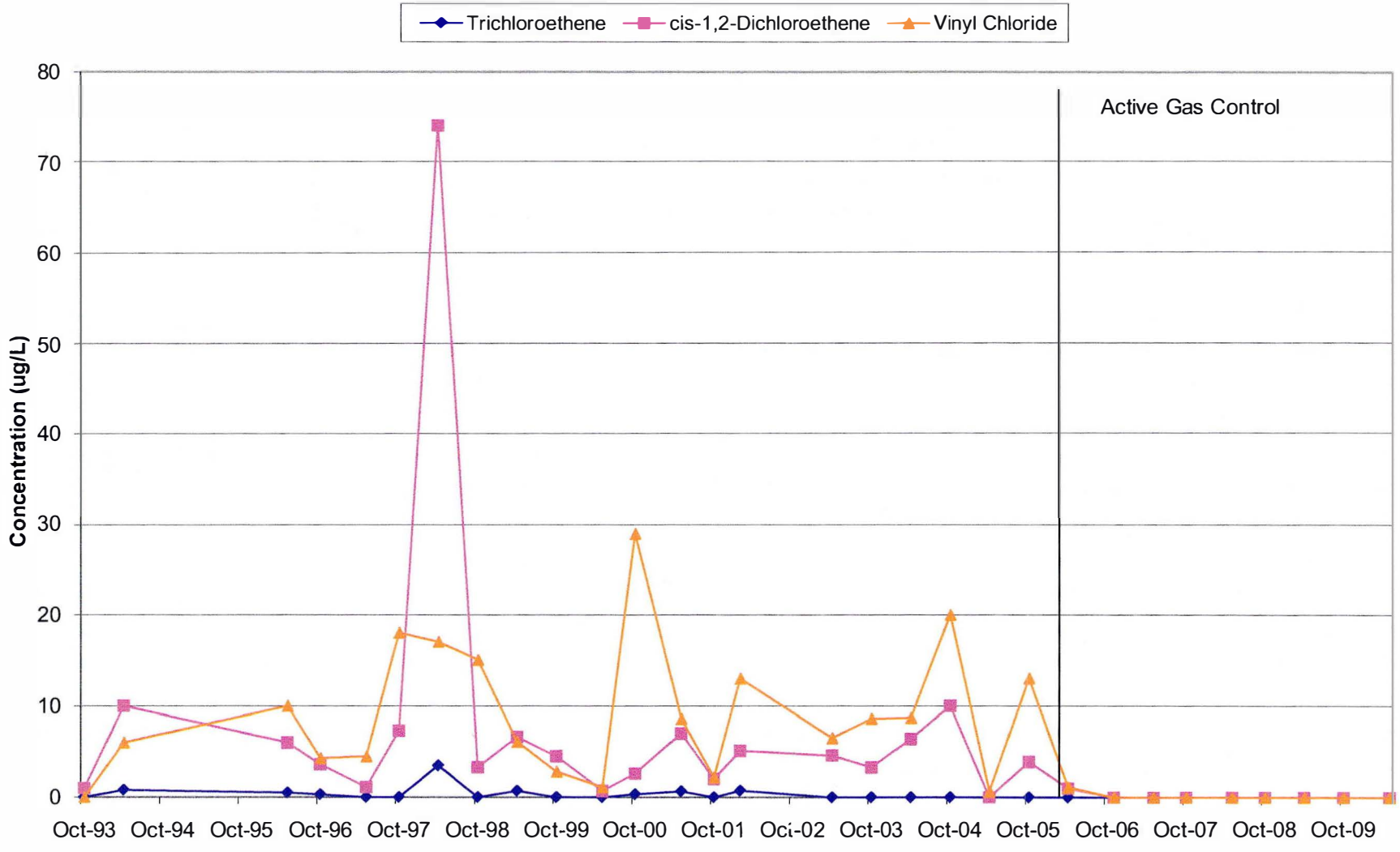


Chart 40: MW-106
Layer 1 Well

Side gradient

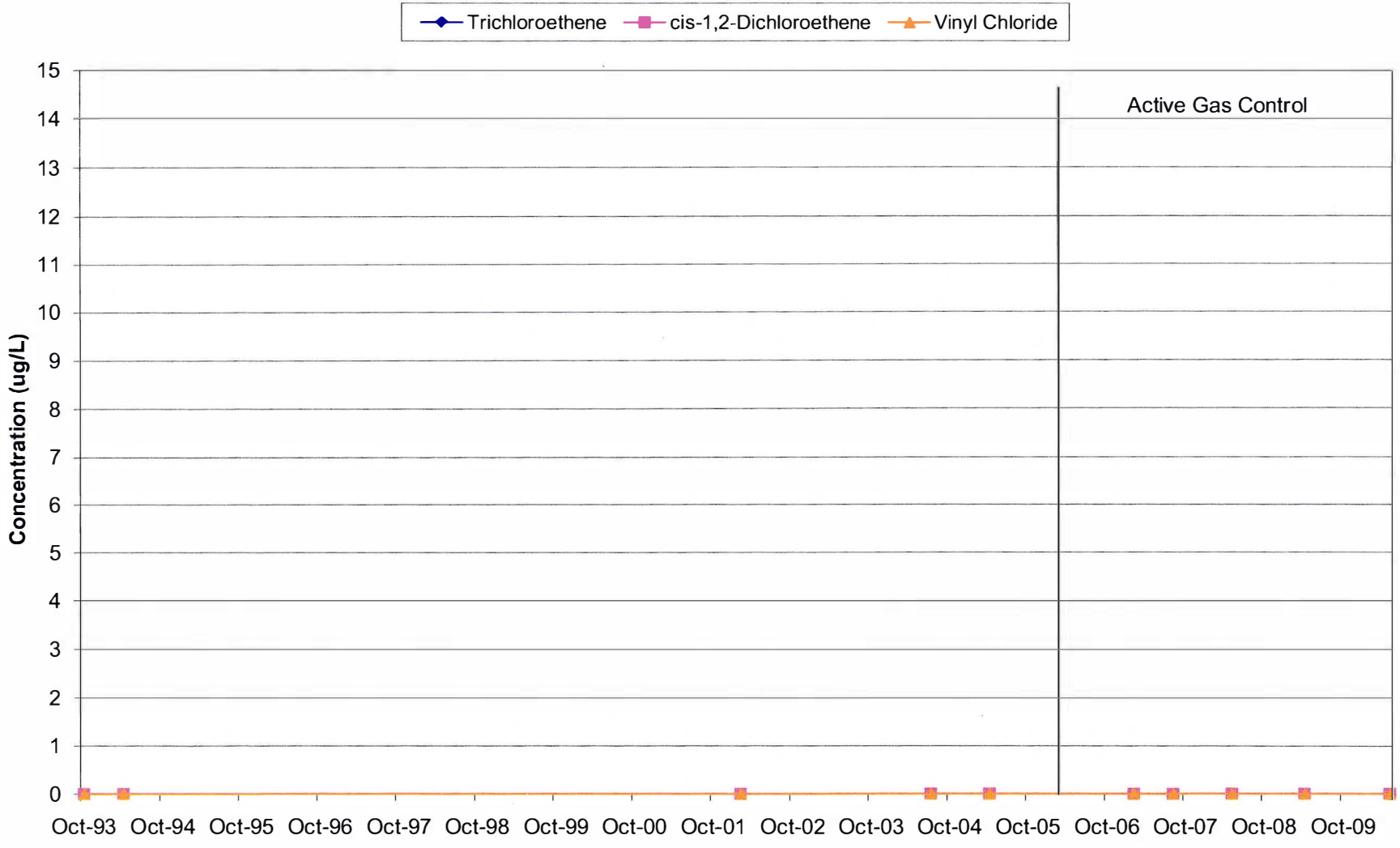
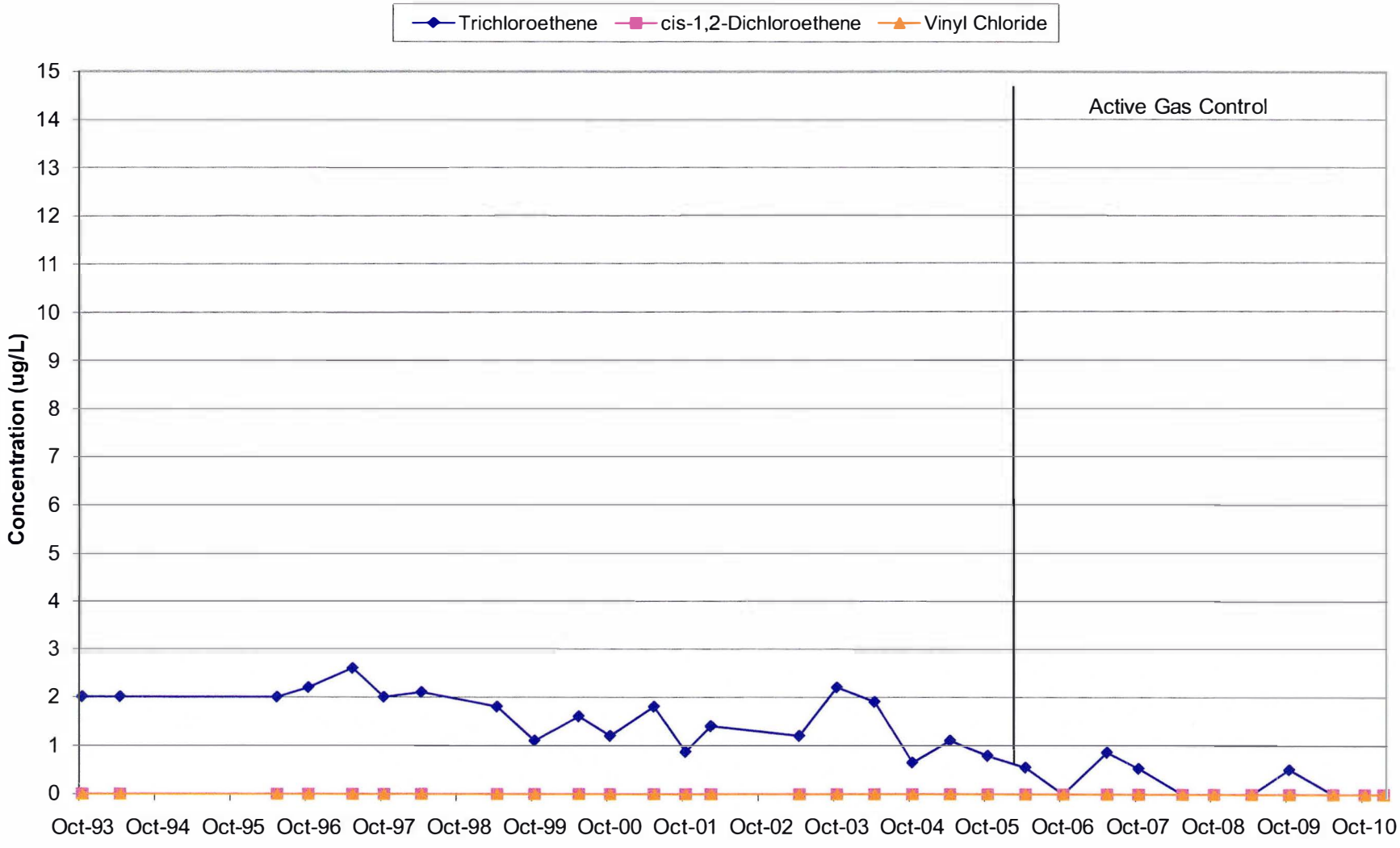


Chart 41: MW-107
Layer 1 Well

370' Down gradient



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[redacted]

Chart 42: MW-108
Layer 1 Well

Side gradient

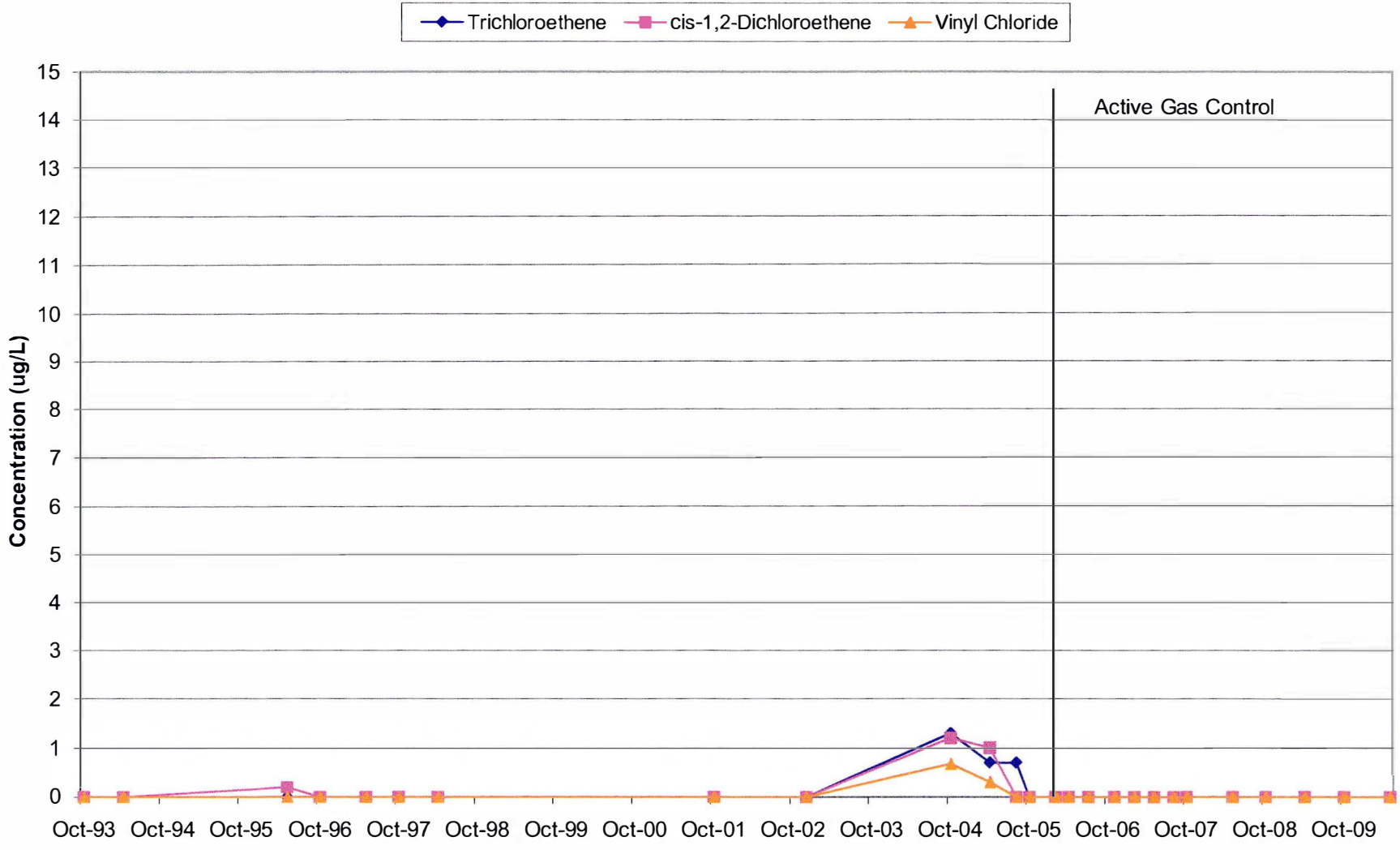

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Chart 43: MW-111
Layer 1 Well

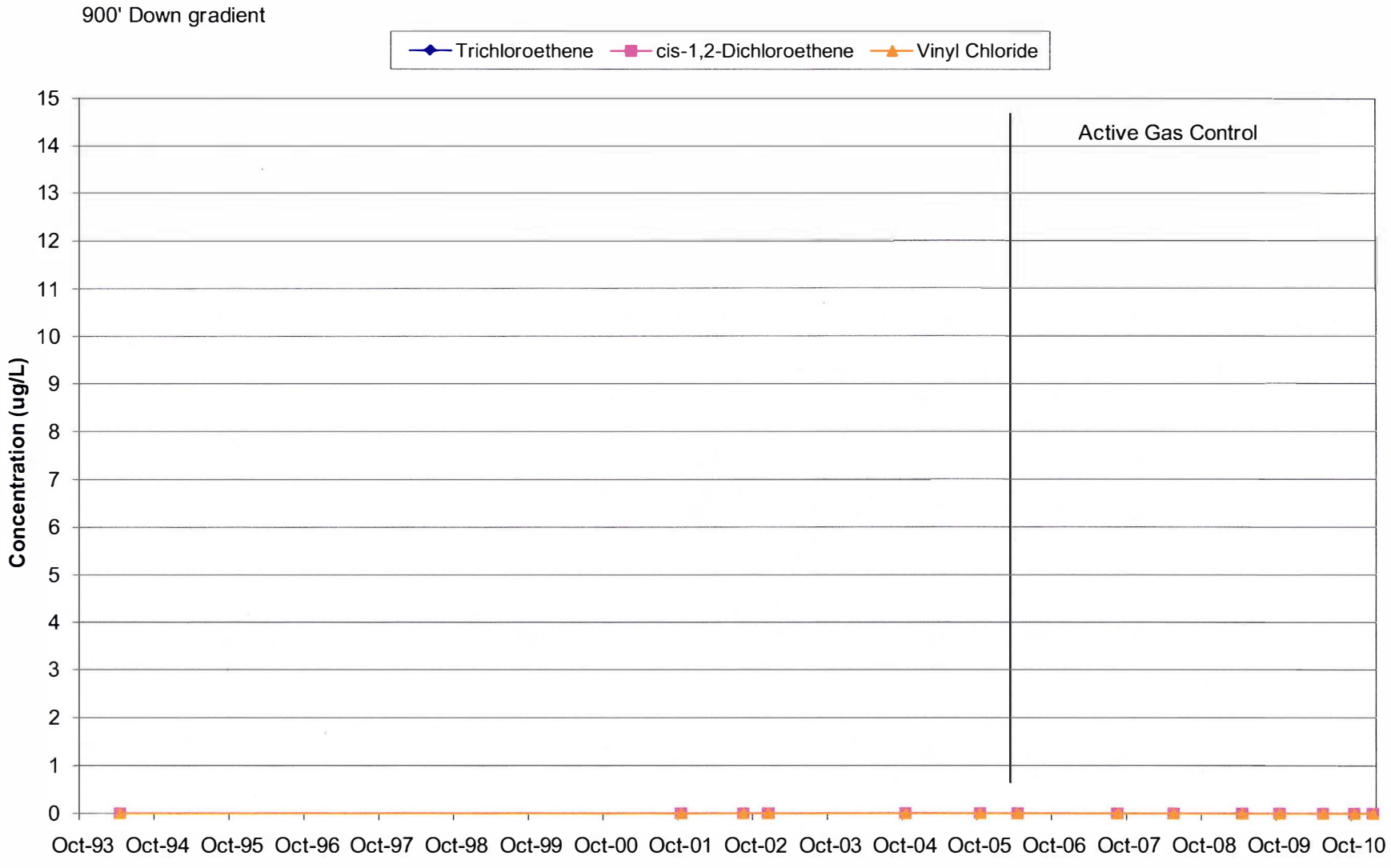

Chart 44: MW-112
Layer 1 Well

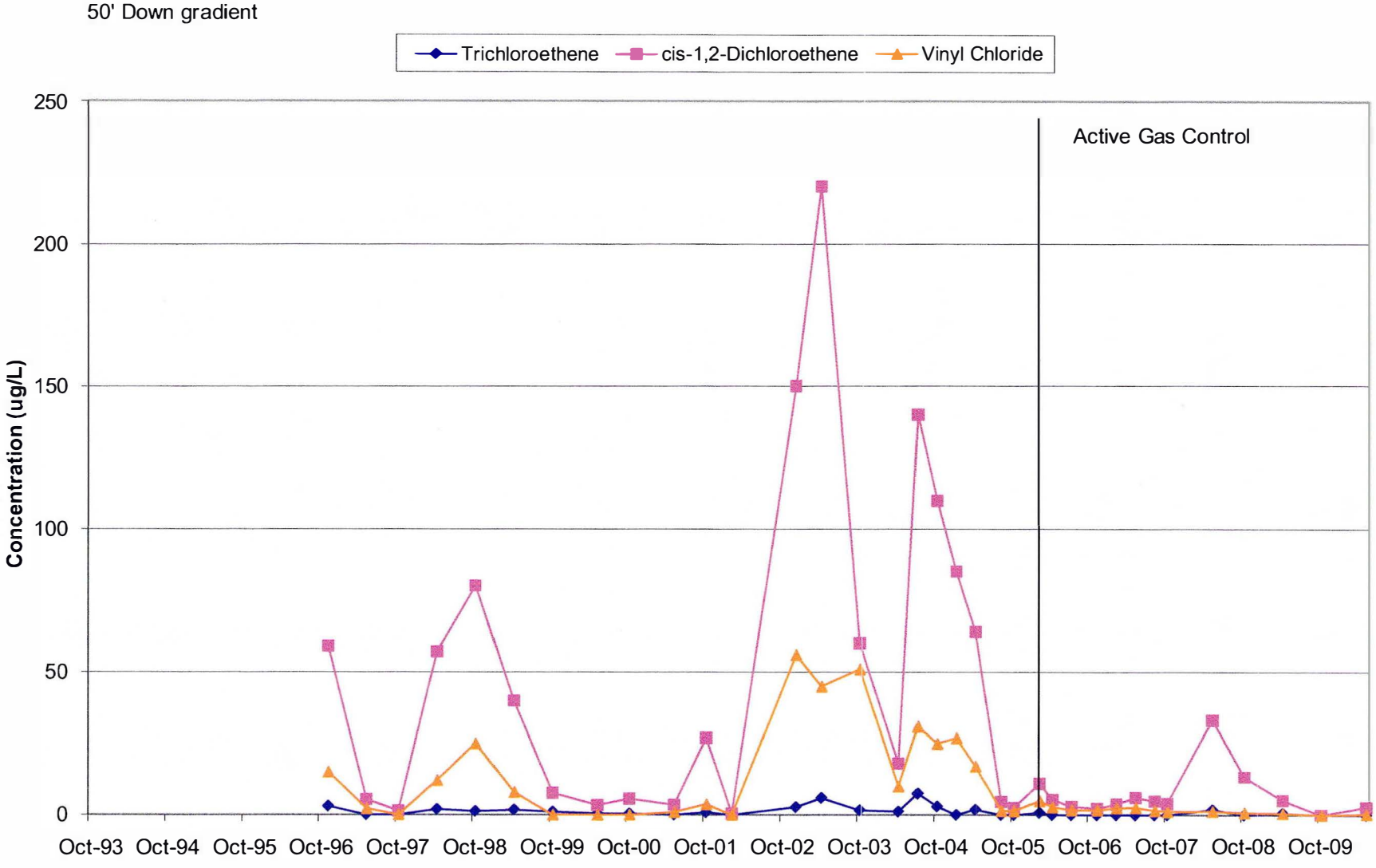

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Chart 45: P-101
Layer 2 Well

Upgradient

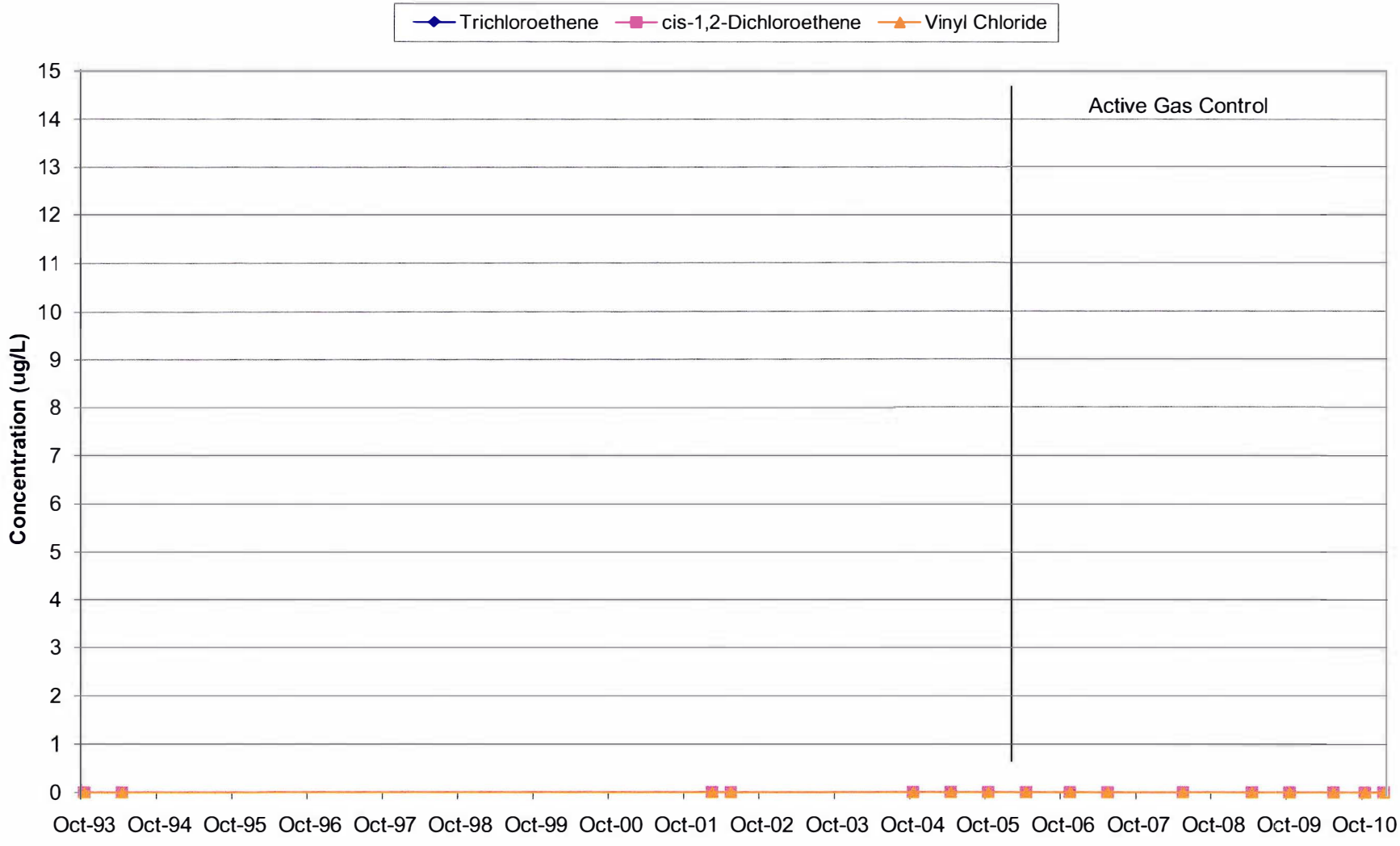

Chart 46: P-102
Layer 2 Well

Side gradient

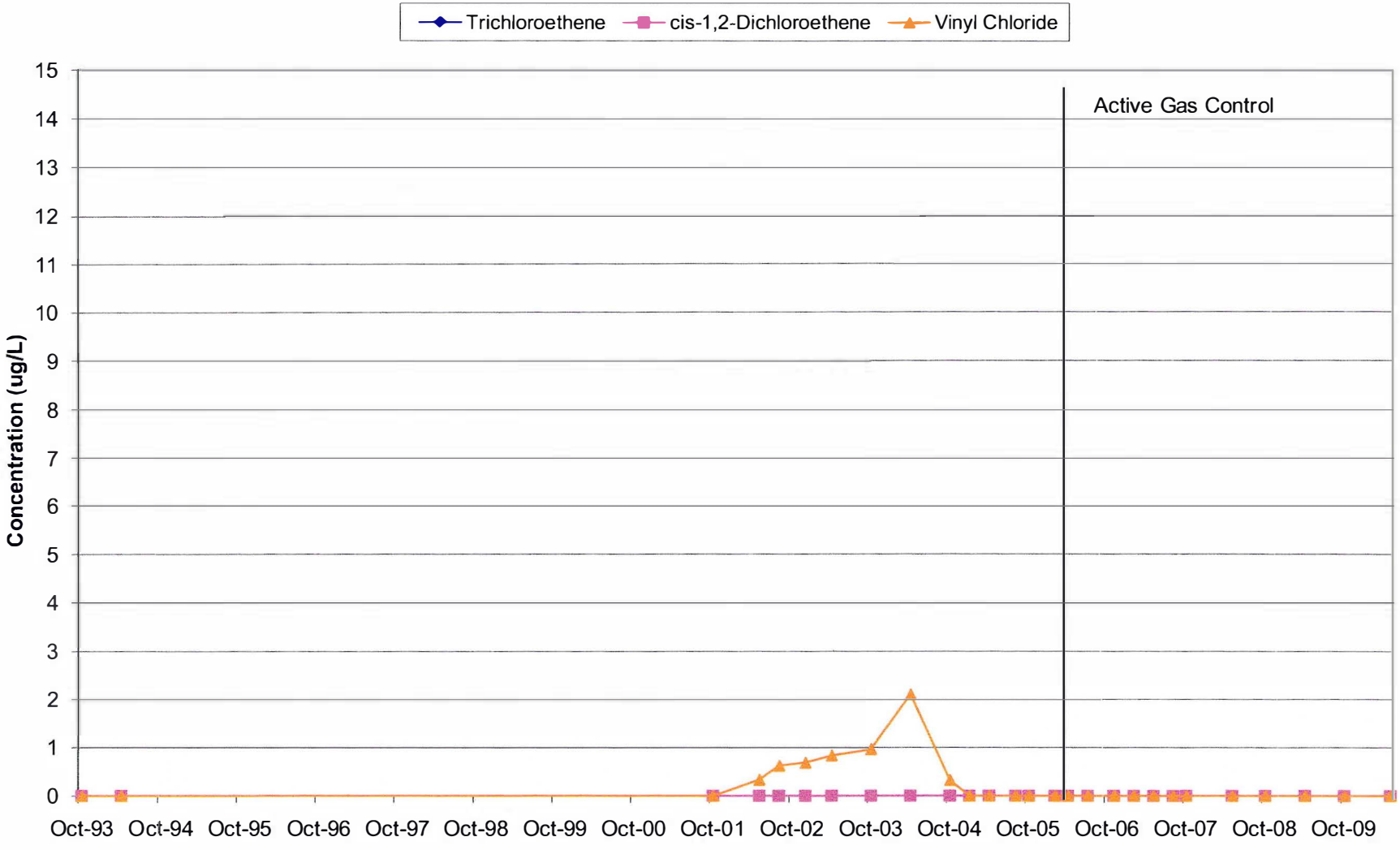

Chart 47: P-103
Layer 2 Well

10' Down gradient

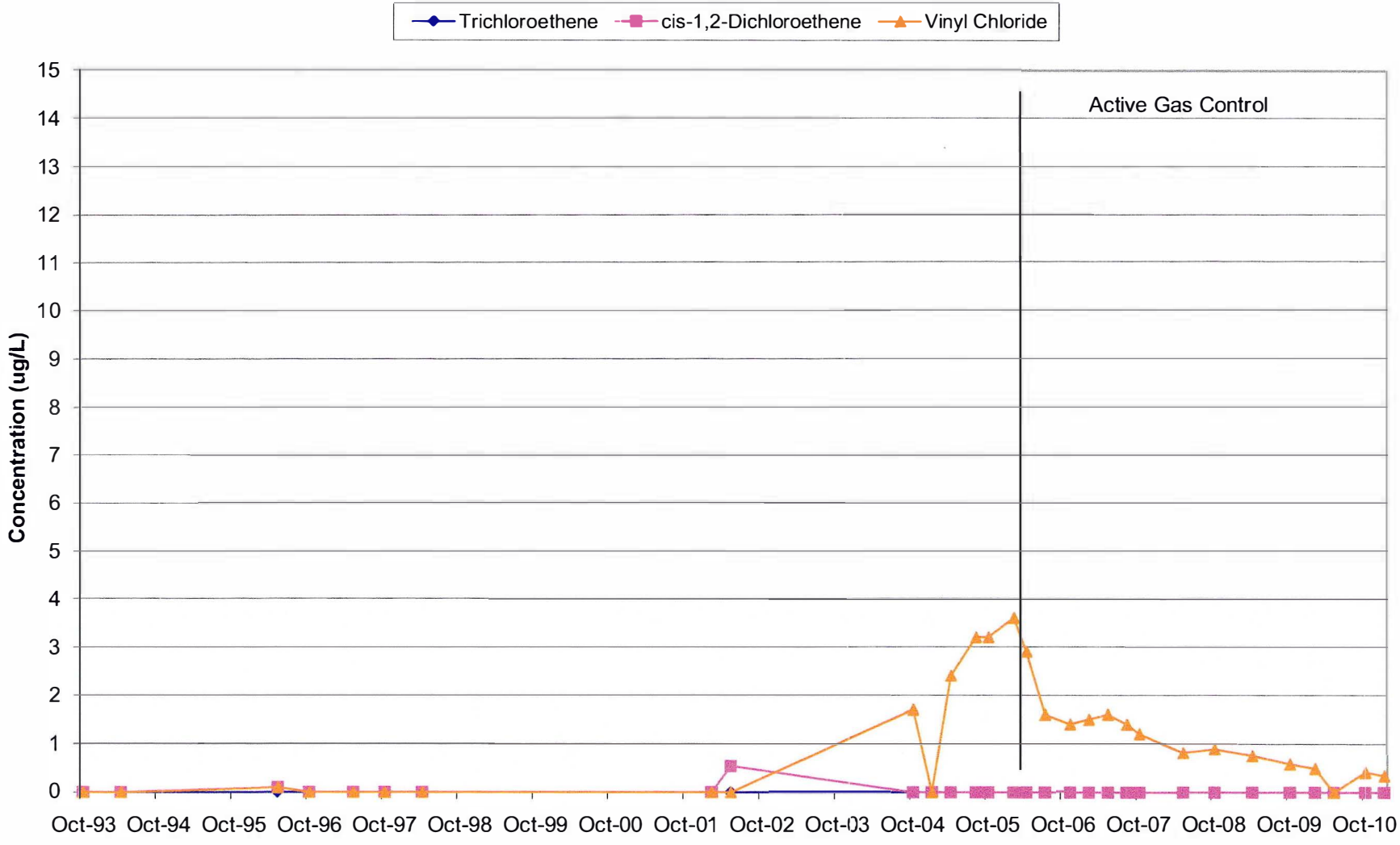

Chart 48: P-104
Layer 2 Well

Side gradient

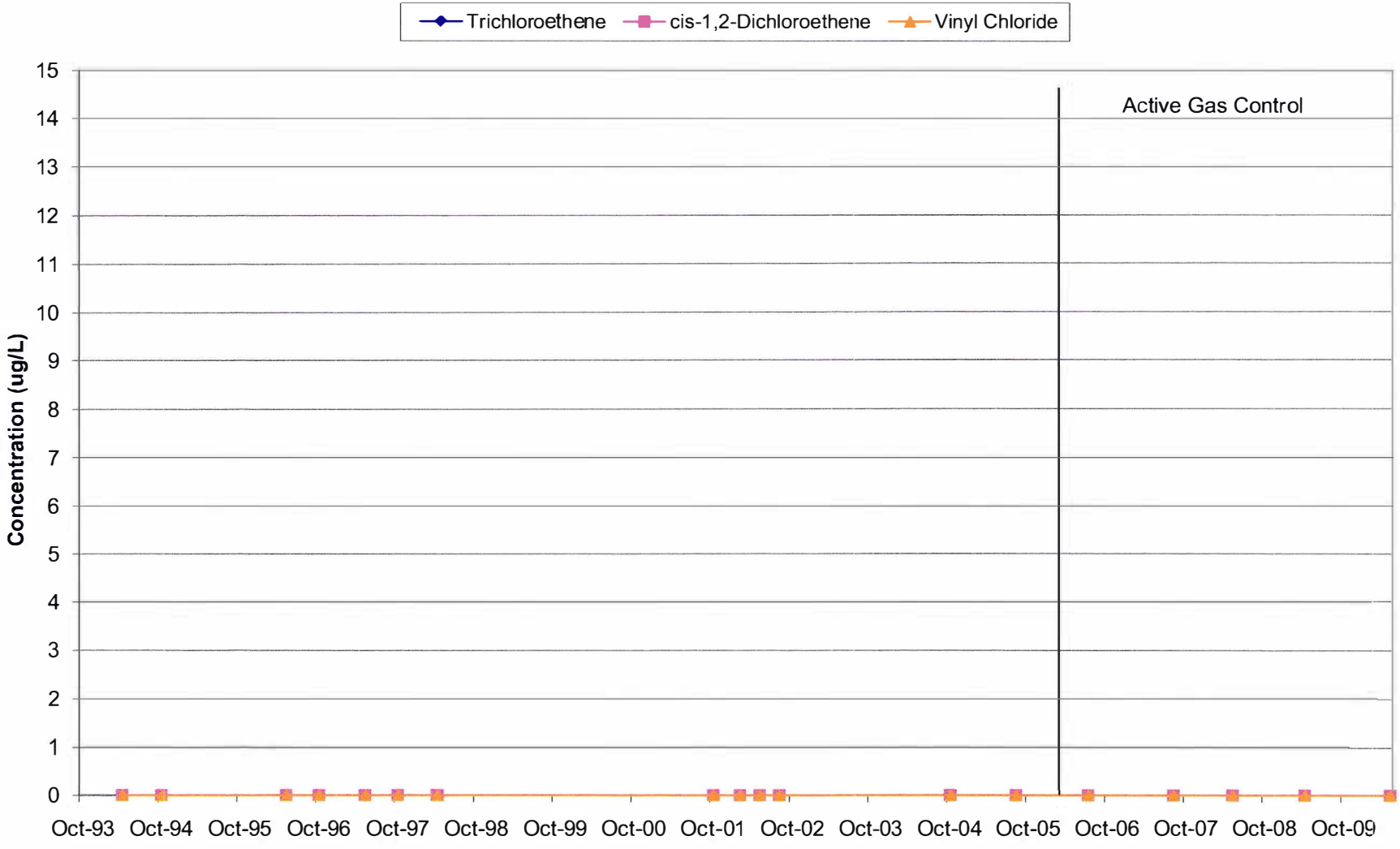

Chart 49: P-106
Layer 2 Well

Side gradient

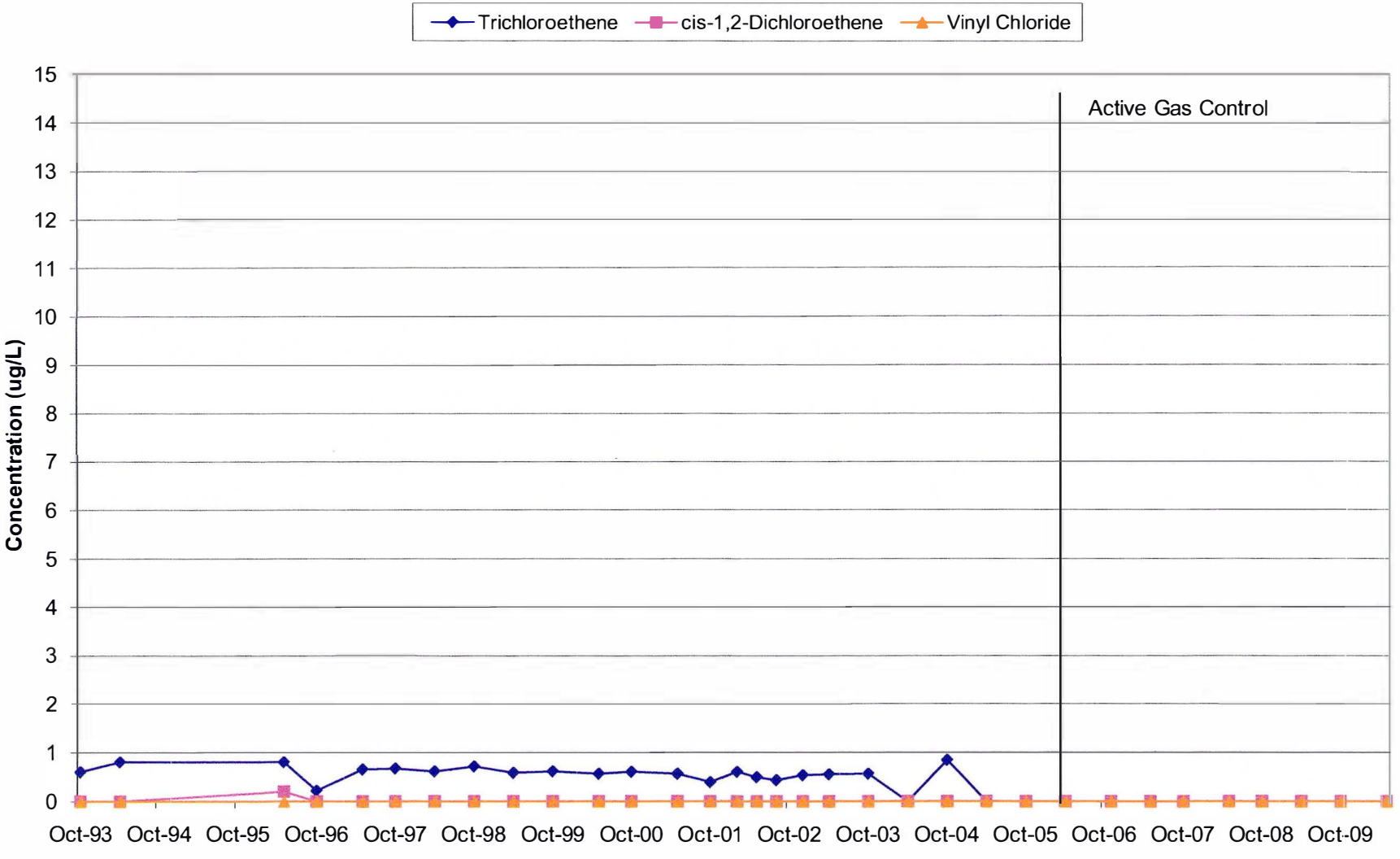

Chart 50: P-107
Layer 2 Well

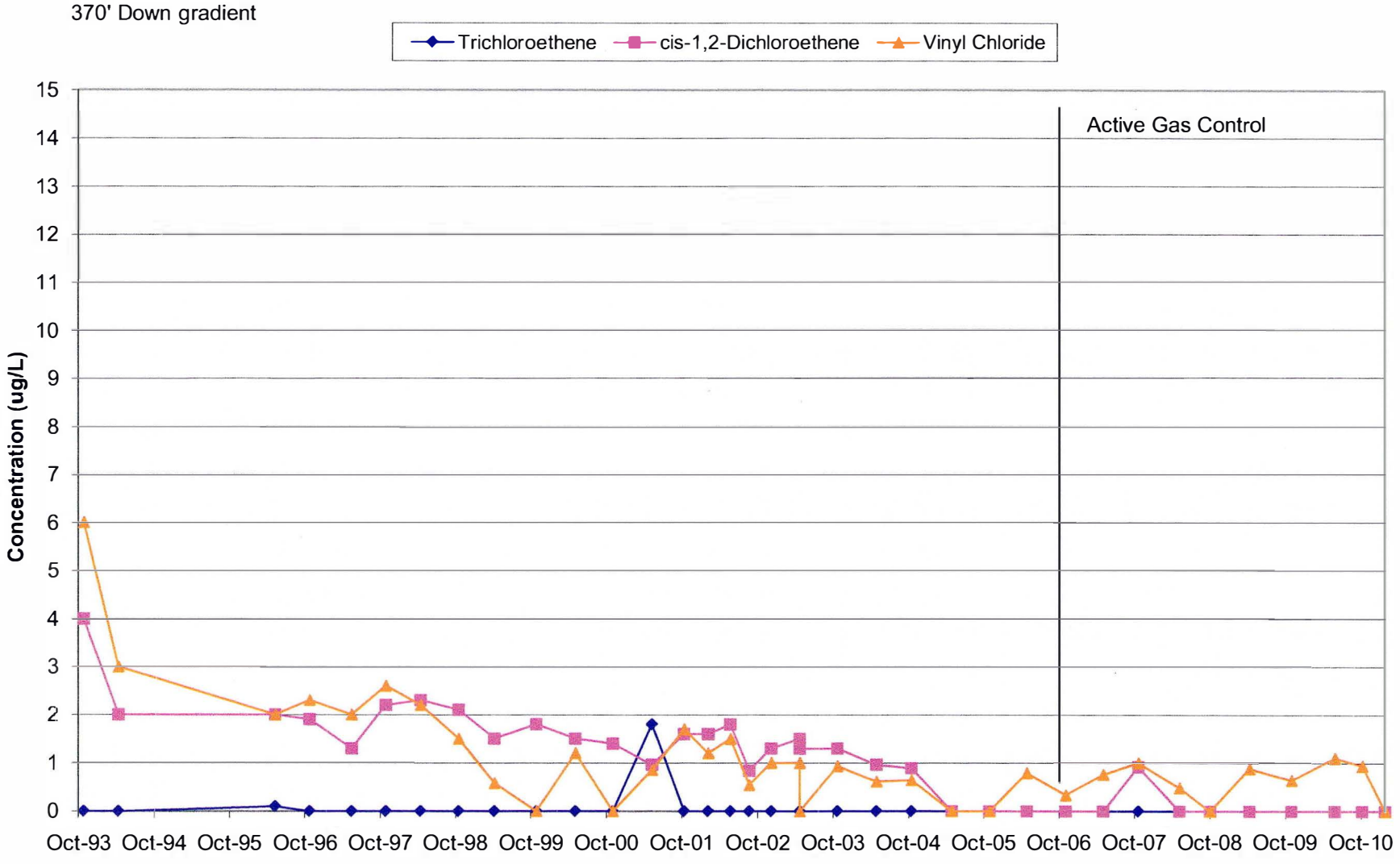

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Chart 51: P-108
Layer 2 Well

Side gradient

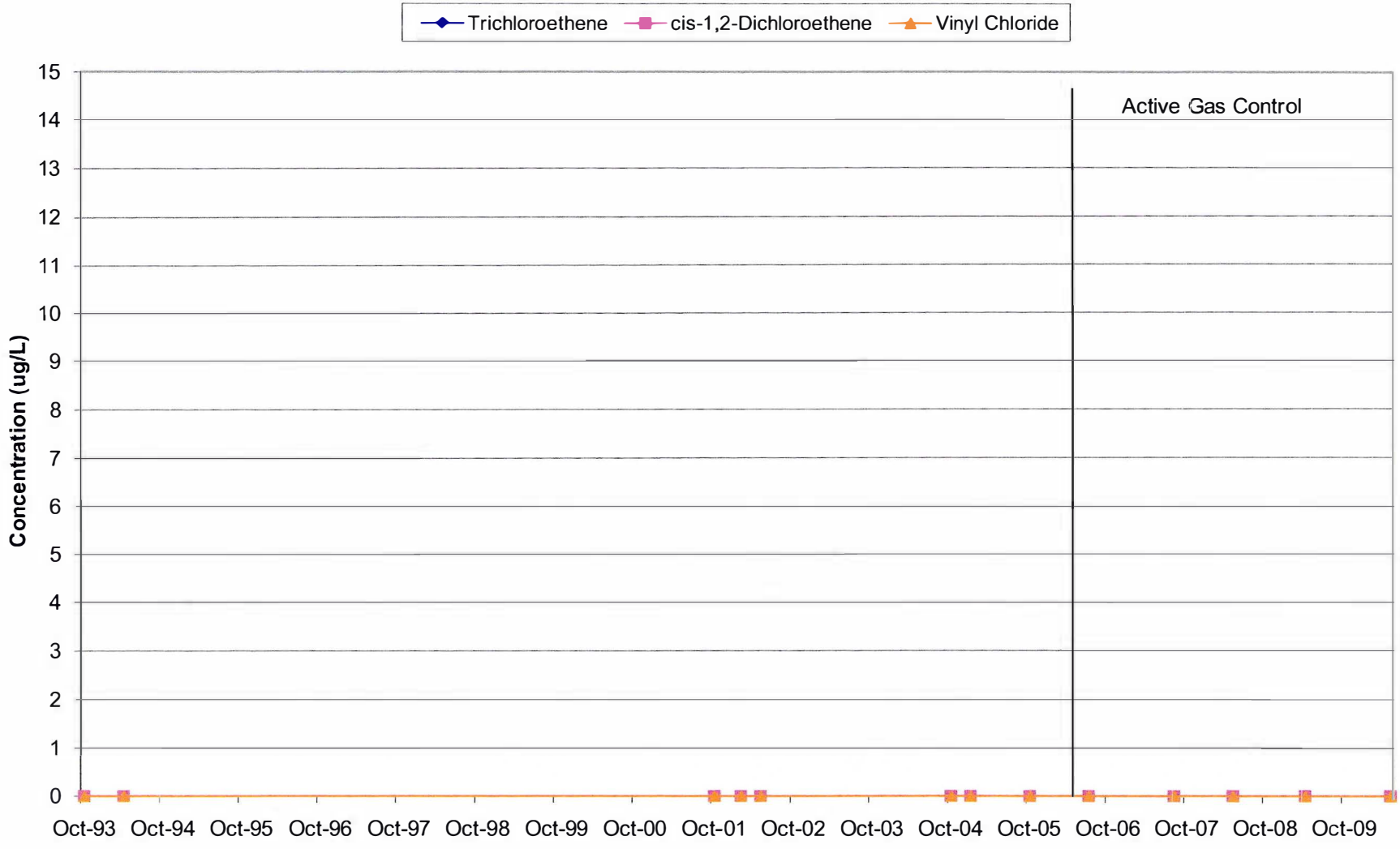

Chart 52: P-111
Layer 2 Well

900' Down gradient

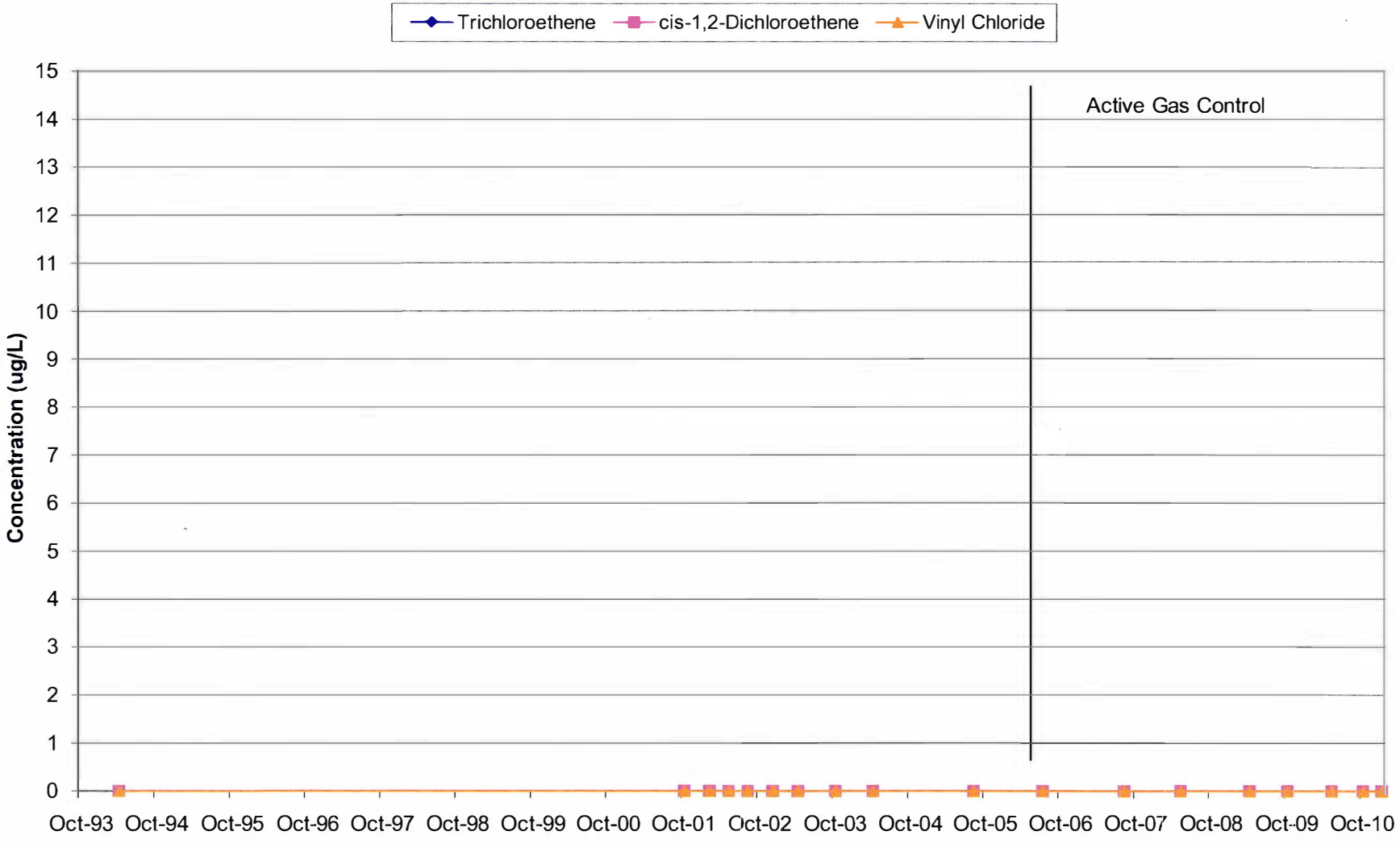

Chart 53: P-103D
Layer 3 Well

10' Down gradient

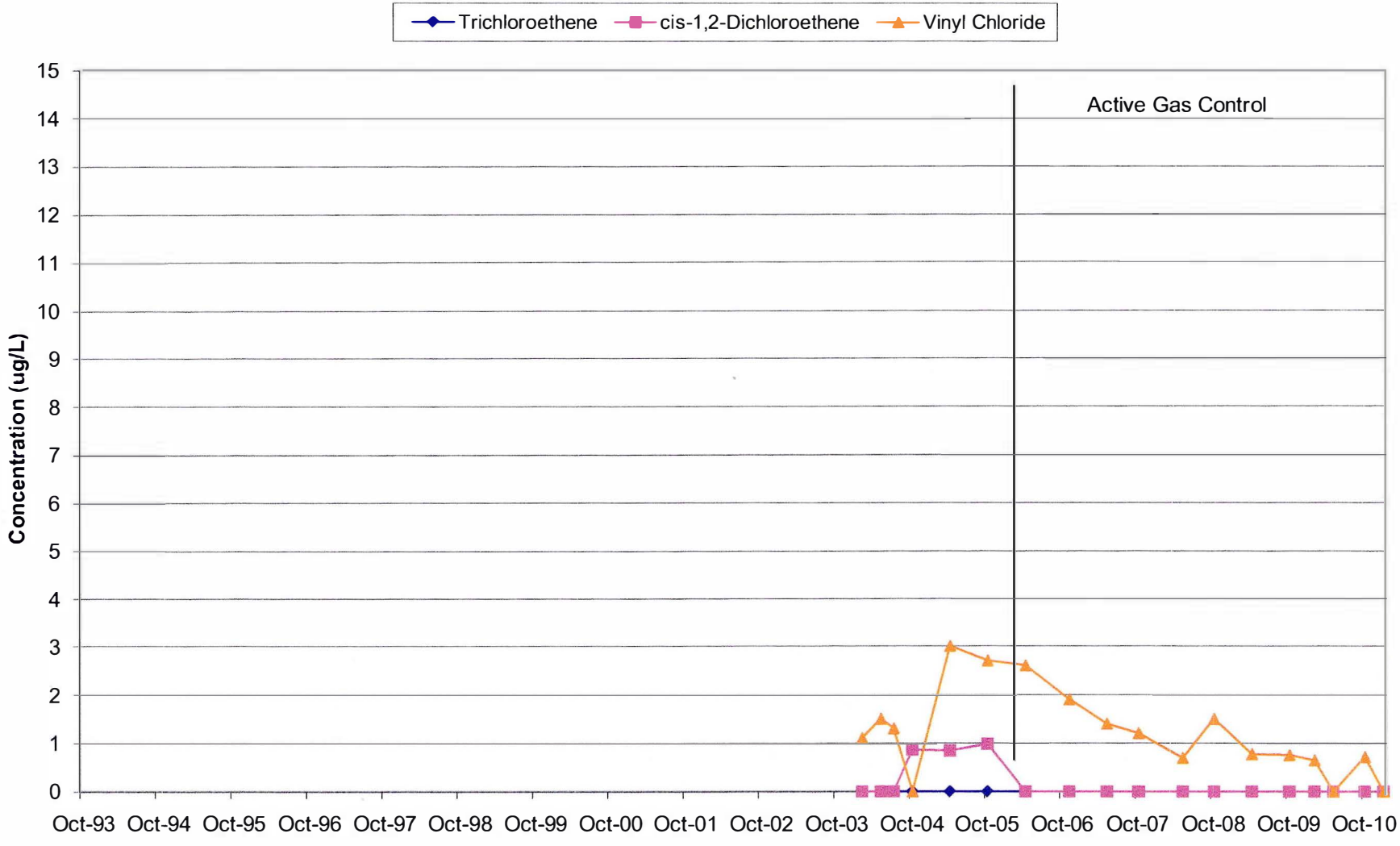

Chart 54: P-111D
Layer 3 Well

900' Down gradient

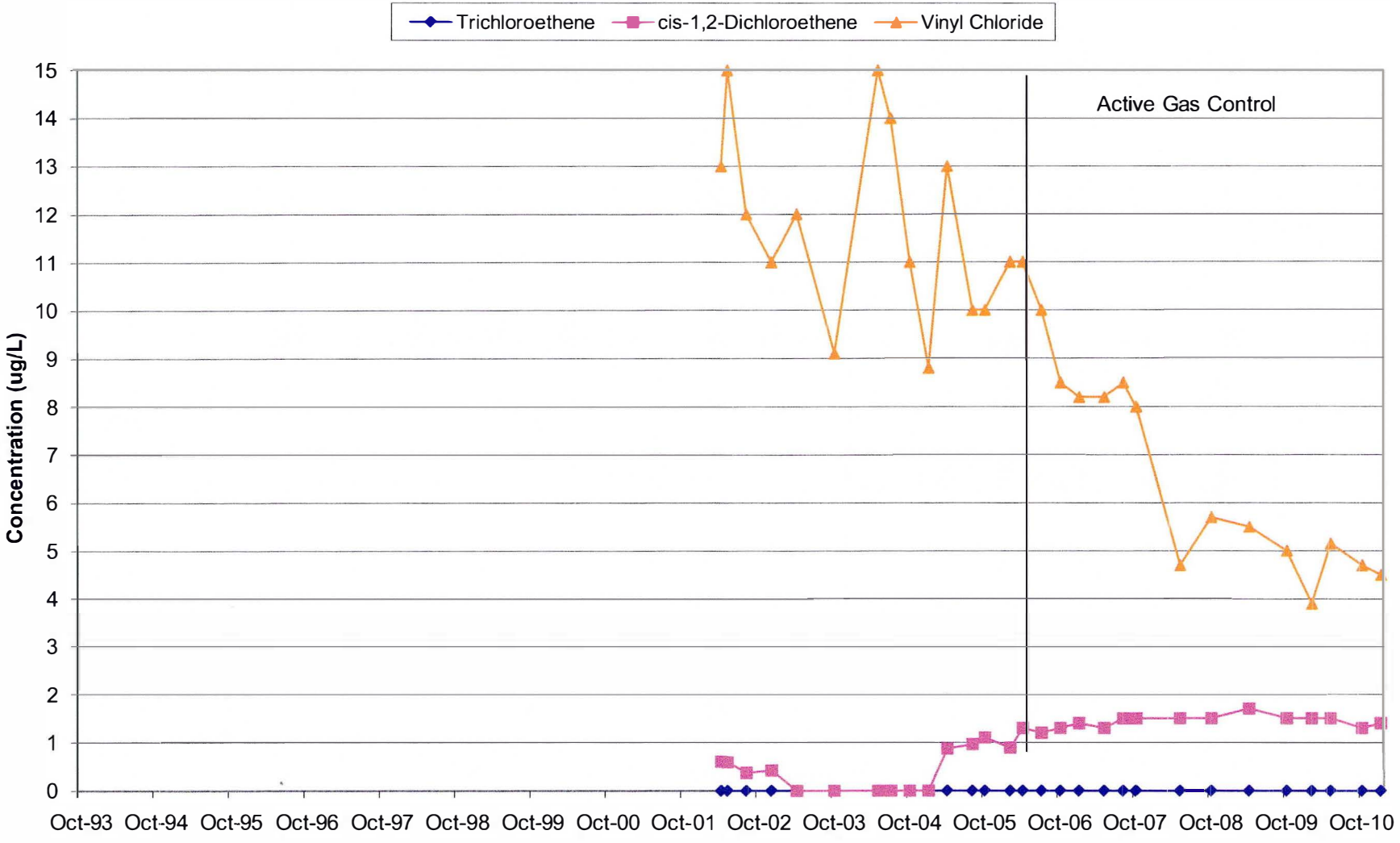

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Chart 55: MW-3B
Layer 3 Well

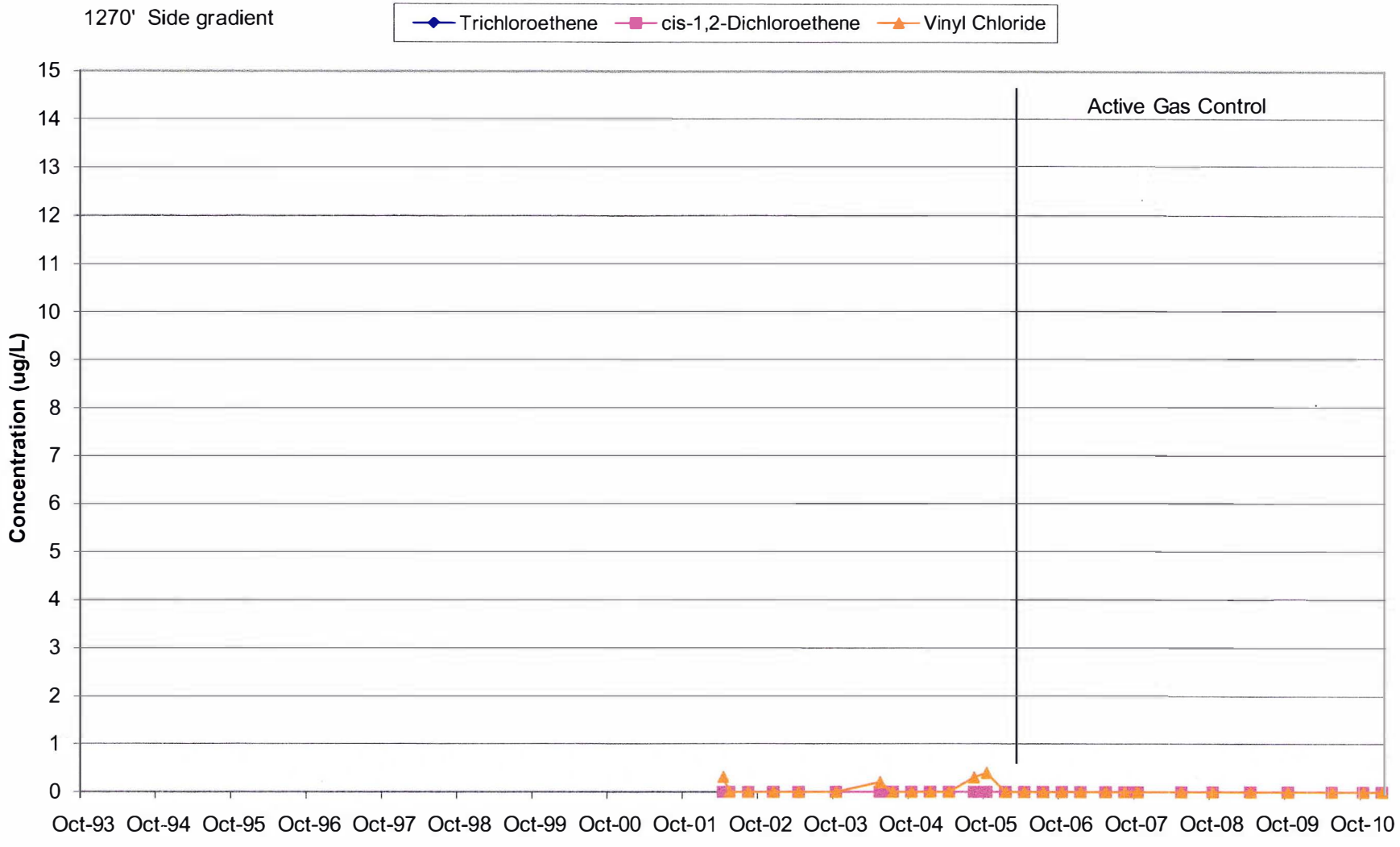

Chart 56: P-113B
Layer 3 Well

Chart 57: P-114
Layer 3 Well

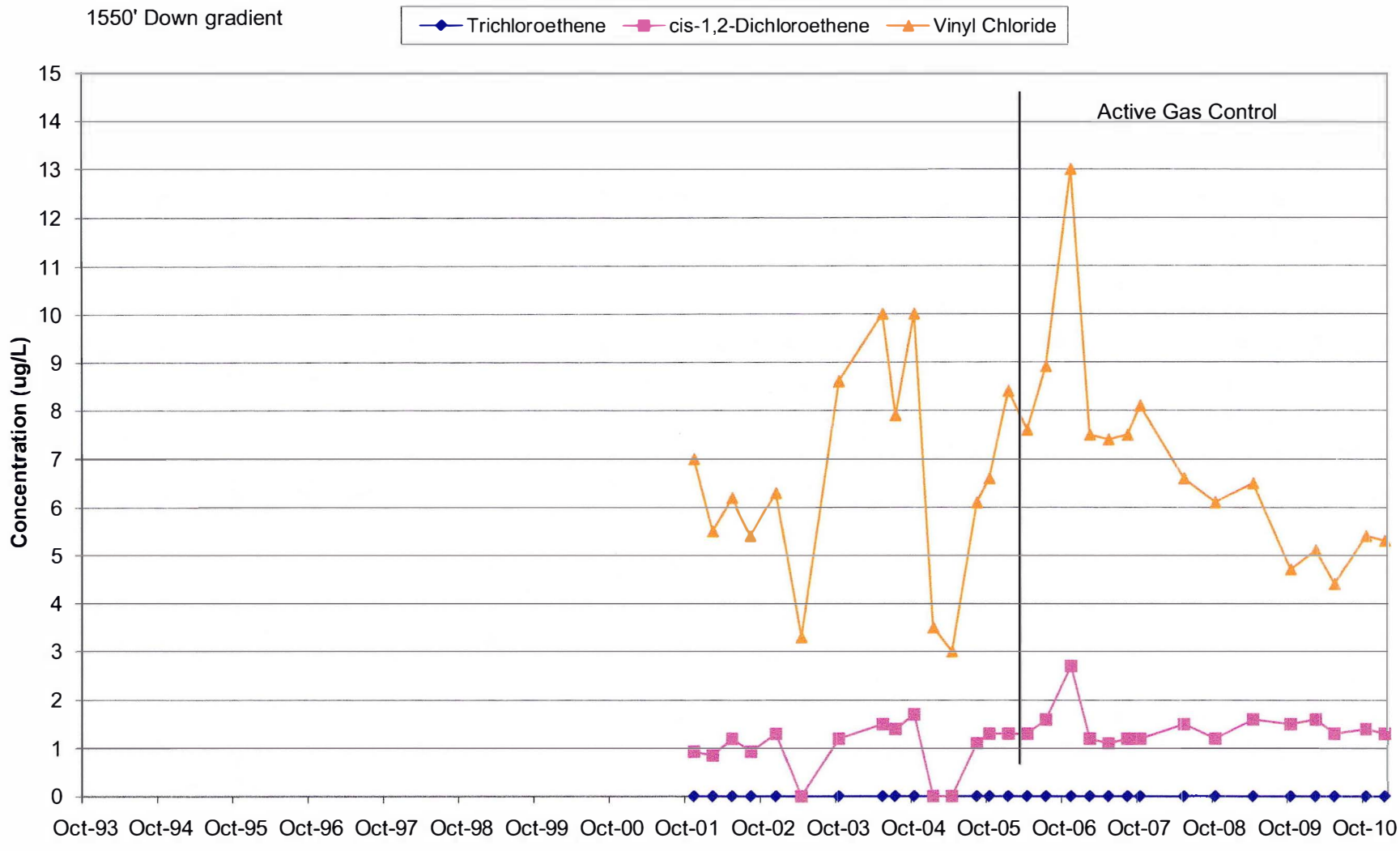

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Chart 58: P-115
Layer 3 Well

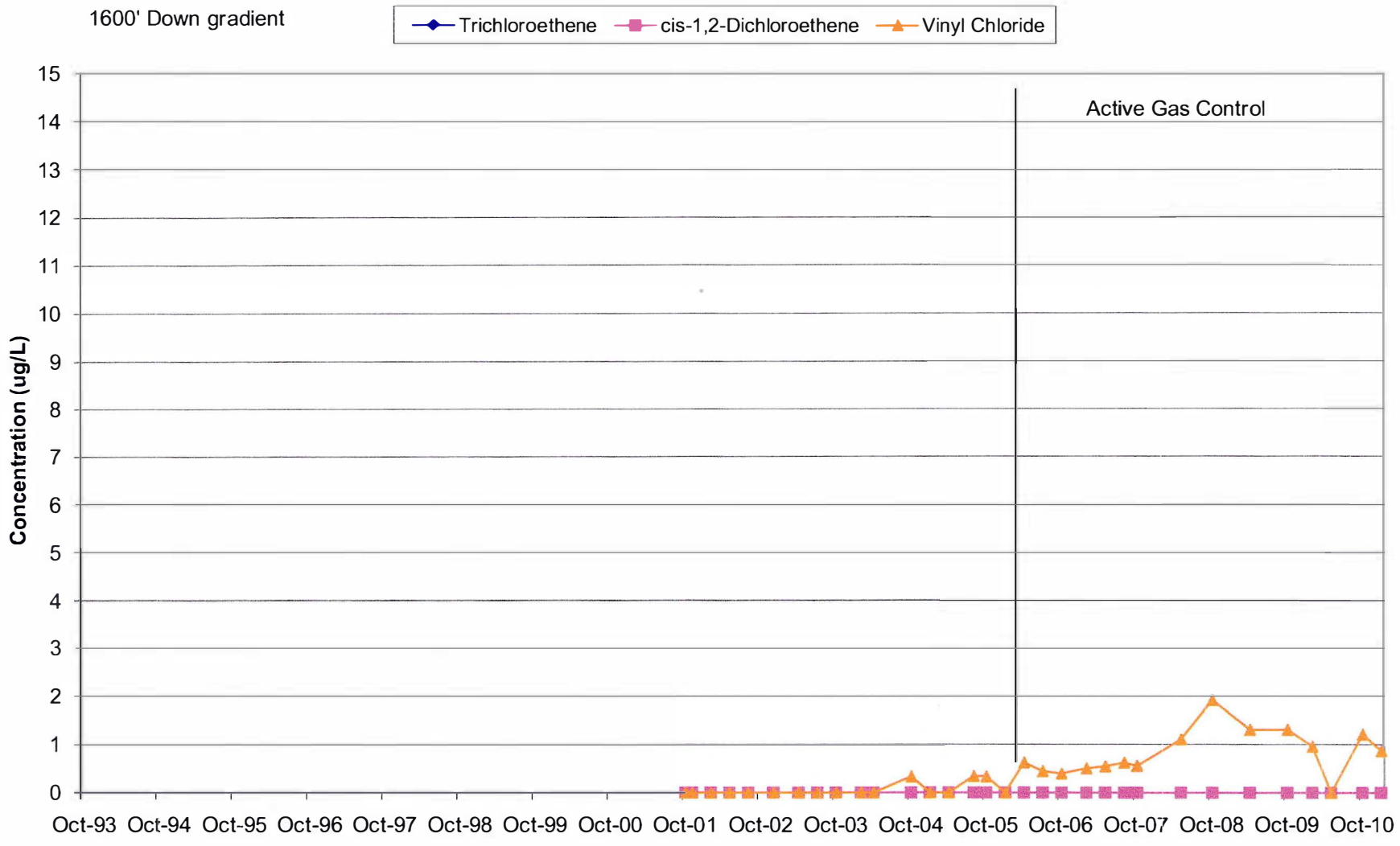

Chart 59: P-116
Layer 3 Well

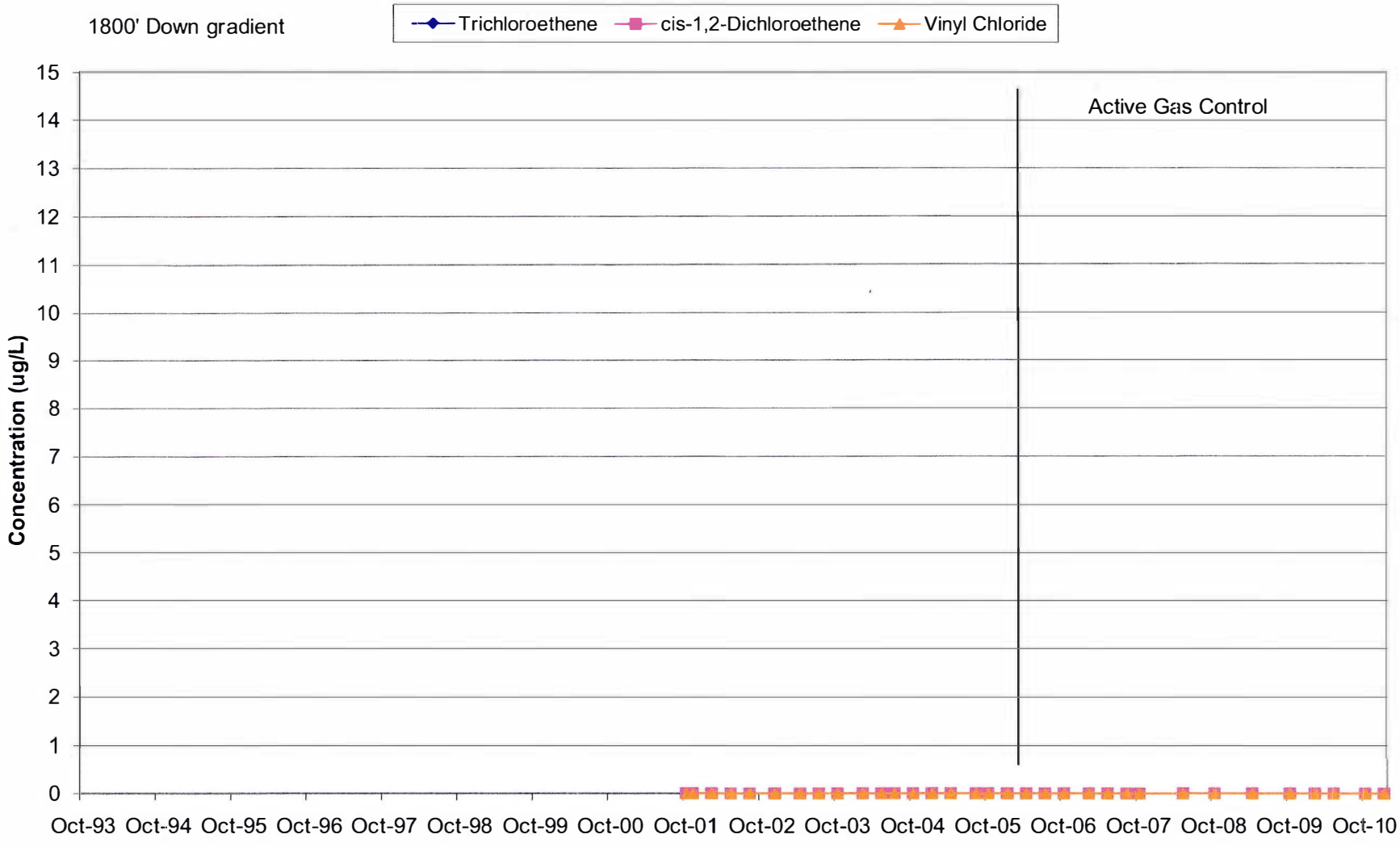

Chart 60: MW-3A
Layer 4 Well

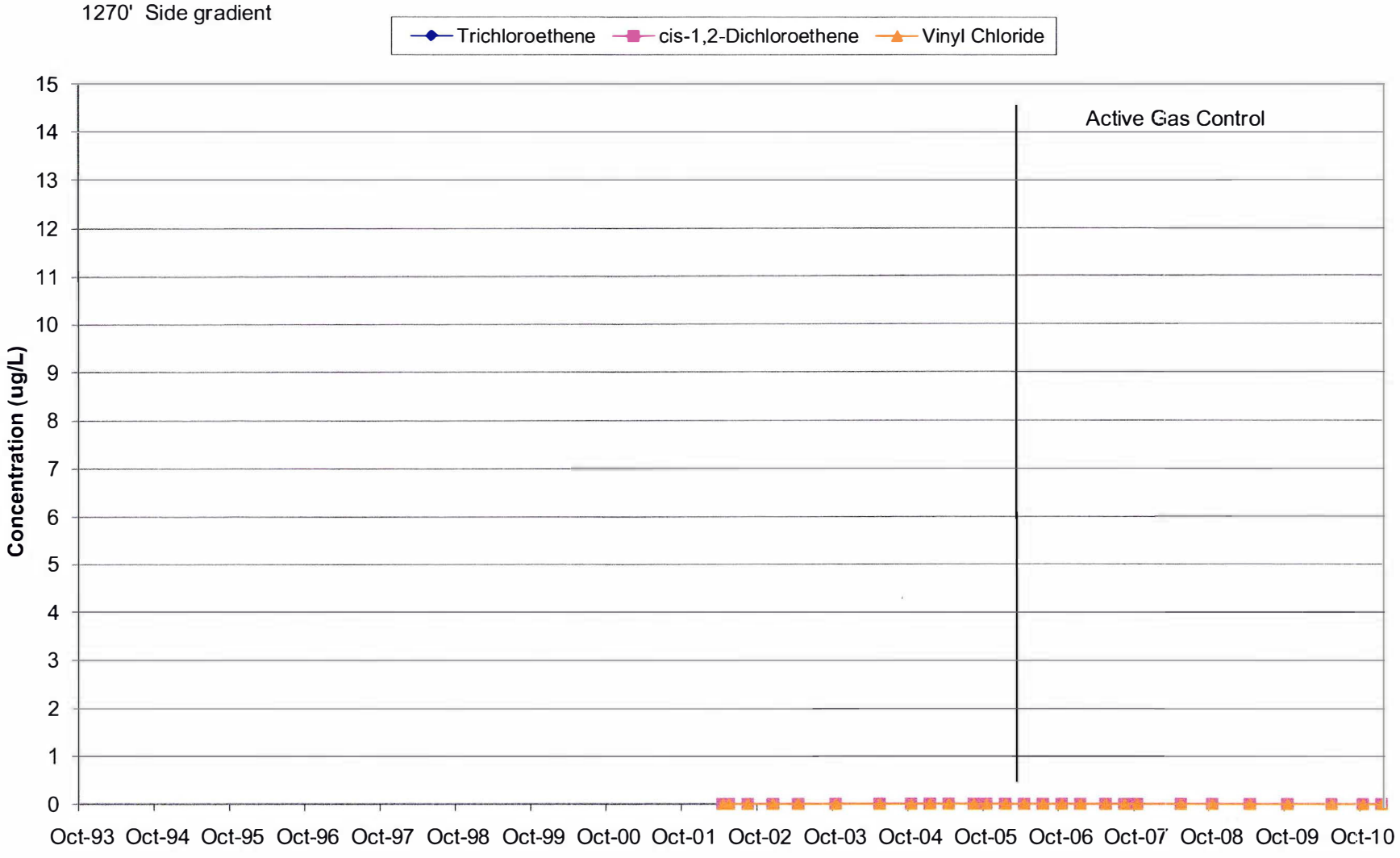

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Chart 61: P-107D
Layer 4 Well

370' Down gradient

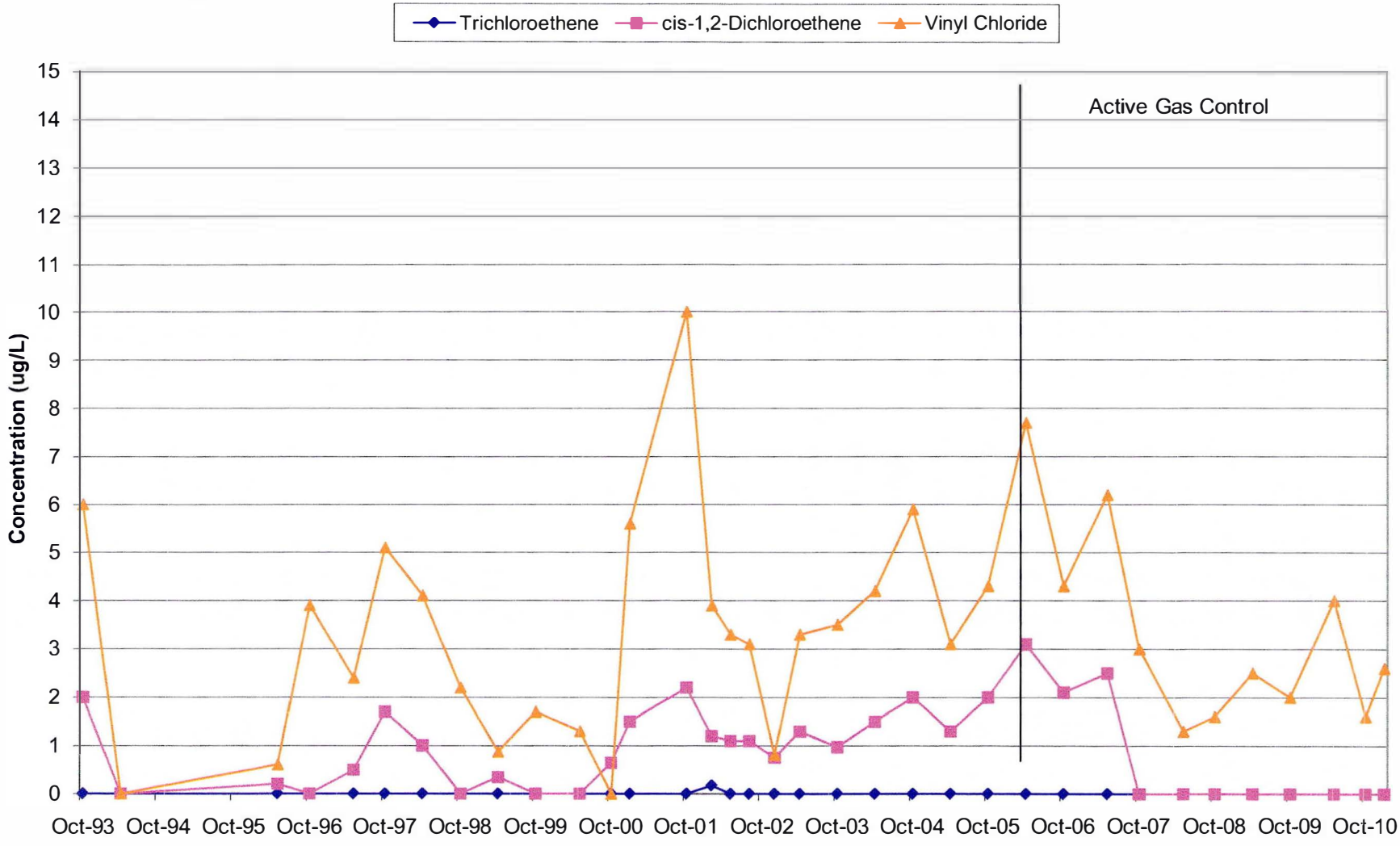

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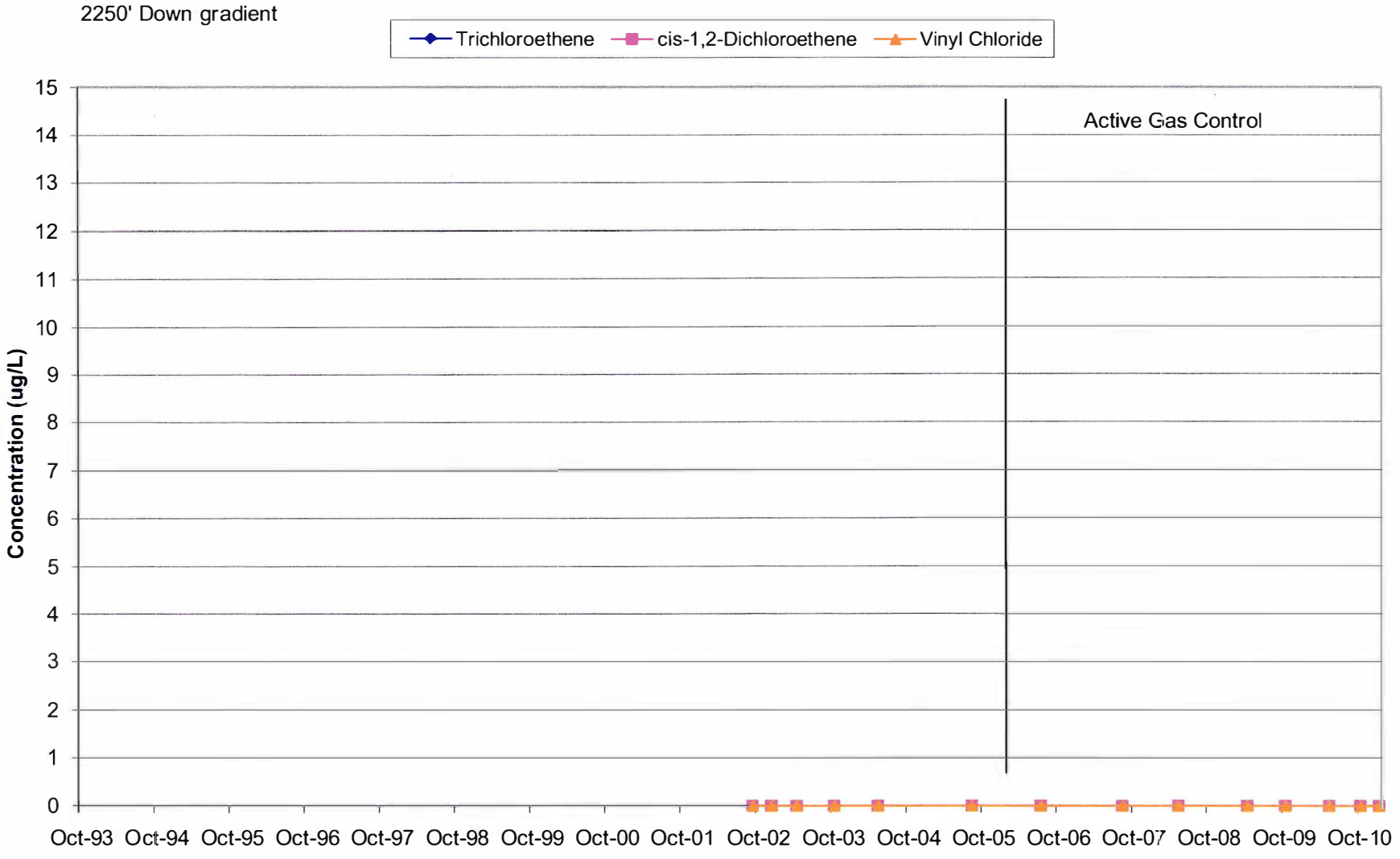
Chart 62: P-113A
Layer 4 Well



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	876.15	NM	845.89
LC2	866.05	839.47	839.52	838.45	NM	838.63	NM	866.05	NM	837.81
LC3	877.34	845.89	845.87	844.68	NM	846.12	NM	877.34	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
MW-101	884.80	823.43	823.29	822.19	NM
P-101	885.26	823.37	823.25	822.14	NM
MW-102	843.05	823.77	823.66	822.66	NM
P-102	842.99	823.8	823.71	822.74	NM
MW-103	872.42	821.25	821.32	820.29	NM
P-103	872.92	823.34	823.19	822.26	NM
P-103D	873.08	822.575	822.35	821.81	821.96
MW-104	875.15	823.25	823.12	822.1	NM
P-104	875.48	823.41	823.3	822.26	NM
MW-106	878.90	823.72	823.6	822.57	NM
P-106	878.91	823.64	823.52	822.52	NM
MW-107	871.78	819.59	819.85	818.83	NM
P-107	871.38	819.62	819.82	818.98	NM
P-107D	871.98	819.68	818.85	820.47	819.05
MW-108	845.25	818.27	818.39	817.44	NM
P-108	845.61	821.53	821.66	820.25	NM
MW-111	856.46	818.07	818.3	817.39	NM
P-111	856.13	817.61	817.88	816.96	NM
P-111D	855.79	820.41	820.16	817.15	820.05
MW-112	874.55	820.13	820.24	819.33	NM
P-113A	833.09	819.09	818.24	820.05	818.53
P-113B	833.10	819.27	818.88	819.45	818.97
P-114	839.35	819.12	819	819.09	818.85
P-115	842.71	819.205	819.13	819.265	819.005
P-116	845.34	818.055	817.85	817.895	817.755
MW-3A	850.77	819.92	818.91	821.26	819
MW-3B	851.04	821	820.59	821.04	820.35
LC1	876.15	843.73	NM	NM	NM
LC2	866.05	838.96	NM	NM	NM
LC3	877.34	845.67	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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-3B	04/04/2002	NR			NA																				0.38						**0.31**	
	05/22/2002	NR			NA																			NA								
	8/20/2002	NR																						NA								
	12/5/2002	NR																														
	4/22/2003																															
	10/22/2003																															
	5/11/2004																														**0.2 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																															

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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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	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	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	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	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	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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-101	10/01/1993	NR																													
	04/01/94	NR																							0.5J						
	020/5/02	NR			NA																			NA							
	05/22/2002	NR			NA																			NA							
	10/13/2004																														
	4/27/2005																														
	10/25/2005																														
	4/28/2006																														
	11/1/2006																														
	5/1/2007																														
	5/6/2008																														
	4/8/2009																														
	11/4/2009									0.75J																					
	5/25/2010																														
	10/4/2010																				0.44J										
	1/26/2011																														
MW-102	10/26/1993	NR																													
	04/11/1994	NR																							3						
	05/08/1996	NR																							0.4J						
	10/30/1996	NR								0.99 J													0.30 J								
	05/12/1997	NR																													
	10/26/1997	NR																													
	04/13/1998	NR														0.46															
	10/11/2001	NR																													
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-102	10/26/1993	NR																													
	04/11/1994	NR																													
	10/11/2001	NR																													
	05/21/2002	NR			NA																			NA						**0.33J**	
	08/20/2002	NR																						NA						**0.62**	
	12/04/2002	NR																												**0.68**	
	04/21/2003																				0.48 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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	0.76 J		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	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	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	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	NA	NA	NA	NA	NA
	10/21/2003		0.8				1.3									58	1.9										1.7				21	
	04/28/2004		0.61 J		26		0.53 J									16											1.9				6.7	
	10/13/2004	56	1.4				1.7			0.52						12	2.5								0.89		0.78				7.9	
	4/26/2005		1.2				2.8									1.9	3.0								0.71						1.8	
	4/25/2006	31			8.0 J		0.62 J									5.2											0.48 J				1.8	
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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					

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-103D	02/4/2004				NA																0.55J			NA							
	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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140 PAL		200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
WDNR NR140 ES		1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-104	10/27/1993	NR	2				2				2					1 JB									31							
	4/19/1994	NR	1				1				1					10											0.8J				6.0	
	05/9/1996	NR	6				5	1		0.3 J			0.2 J			6	0.3 J		0.1J						0.2 J		0.5J				10	
	10/30/1996	NR	0.64 J				1.1	0.34 J		0.46 J						3.6	0.22 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				0.26	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				0.14		2.2	
	02/5/2002	NR	2.7		NA	0.16	8				2	0.19				5.1				0.23				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	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	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	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	NA	NA	NA	NA	NA
	04/22/2003		1.8		6.9J		3.1									4.6															6.5	
	10/23/2003	3.2	4				7.8				1.8					3.3															8.6	
	04/28/2004		2.4				6				2.2 J					6.4															8.7	
	10/13/2004		2.5				6.5				2.2 J					10															20	
	4/27/2005		1.7				5.4				2.1 J																				0.64	
	10/25/2005		1.4				6.9				2.5 J					3.9															13	
	4/25/2006		1.4		4.6 J		4.9				2.2 J					1.0 J															1.1	
	11/2/2006		1.2 J				4.8				1.7 J																					
	11/2/2006 dup		1.3 J				5																									
	5/2/2007		0.8J				4				2.0J																					
	10/18/2007		0.75 J				6				2.0 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																					

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

Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
		Parameters																														
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
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																															
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	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	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	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	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	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	NA	NA	NA	NA	NA
	2/15/2007																															
	8/14/2007																															
	4/30/2008																															
	4/8/2009																															
	5/20/2010																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-106	10/01/1993	NR																									0.6 J					
	04/01/1994	NR																									0.8 J					
	05/01/1996	NR														0.2 J											0.8 J					
	10/01/1996	NR								0.62 J																	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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140 PAL	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	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	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	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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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										0.2					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	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-107	5/1/2007																														
	10/19/2007															0.92 J														0.76	
	5/5/2008																													1	
	10/1/2008																													0.48J	
	4/7/2009									0.24J																					
	10/28/2009									1.6																				0.88J	
	5/24/2010																													0.64J	
	10/5/2010																													1.1	
	1/24/2011																													0.94J	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
	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	
P-107D	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	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	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	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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
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																															
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	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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140 PAL	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	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	NA	NA	NA	NA	NA
	12/4/2002															150											2.7 J				56	
	4/22/2003		1.2 J					7.4 &								220	4.5 J										5.9				45	
	10/22/2003	2.5	0.88					5.9								60	1.4										1.6				51	
	4/28/2004		0.53 J				0.45 J	4								18											1.1 J				9.9	
	4/28/04 dup	6.5	0.61 J				0.48 J	4.7								22											1.1 J				9.3	
	07/23/2004	110	1.1					23								140	2.6	0.58					1				7.4				31	
	10/13/2004		1.0 J				0.42	14								110	2.4 J										2.9				25	
	10/13/04 Dup		0.87 J					15		0.56 J						94	2.1 J						0.60 J				2.9				29	
	1/26/2005		0.76 J					20								85	2.3 J														27	
	4/26/2005		0.6 J					13								64	1.2 J										1.8				17	
	8/3/2005						0.48 J									4.6															1.5	
	10/25/2005															2.5 J															1.4	
	02/01/2006		0.41 J				0.45 J	3.2 J								11											0.76 J				4.9	
	4/25/2006						0.48 J	0.97 J								5.4															2.8	
	7/27/2006						0.43 J			0.24 J						2.9															1.7	
	7/27/2006 dup									0.52 J																					1.5	
	11/2/2006															2.3 J															1.7	
	2/1/2007						0.46J	1.4J								3.8															2.5	
	5/2/2007						0.53J	1.3J								6.1															2.6	
	8/14/2007						0.51 J									4.4															1.8	
	8/14/2007 dup						0.51 J									4.9															1.6	
	10/18/2007						0.49 J									4															1.2	
	5/5/2008															33.3											1.8				1.3	
	10/2/2008															13.3											0.60J				0.79J	
	4/7/2009															5.1											0.57J				0.56J	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-112	11/4/2009																														
	5/20/2010															2.7														**0.33J**	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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																															

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
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										

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-114	1/25/2011															1.3														**4.8**	
	1/25/11 Dup															1.3														**5.3**	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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									0.30J																				0.95J	
	5/26/2010																														
	10/6/2010																													1.2	
	1/25/2011																													0.86J	

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		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																														

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)	sec-Butylbenzene	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	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000

Results in µg/L

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

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

* Not sampled due to insufficient water for sample collection

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

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

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

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

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
MW-101	2/1/2007									558	6.59	7.4
	5/1/2007									1021	6.92	13.1
	5/6/2008									782	7.18	12.4
	4/8/2009									940	6.75	12.5
	10/29/2009	<0.20	0.39	>2.5	>100	<0.2	0.015	-98	3.17	914	6.85	11.8
	5/25/2010	<0.20	0.08	>2.5	>100	<0.2	0.0192	-73	1.65	961	6.55	25.3
	10/4/2010	0.08			>100		0.0136	-63	2.13	1265	6.95	15.8
	1/26/2011			>2.5				-14	2.51	938	7.39	6.2
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
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
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
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
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
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

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-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
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
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
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
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

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-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
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
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
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
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
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

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
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
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							33	1.24	552	7.37	7.9
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

[ ] 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	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Regularly Monitored Wells												
Baneck, Perry/Watkins	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

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

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

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

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	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl ether
LC-1	1993	5/12	<25	<120	<25	<25	<25	<25	NA	25	25	<25	<25	410	92	NA	NA	<120	NA	NA	<25	NA	170	NA	18J	NA	NA	76	320	NA	NA
		5/12 Dup	<36	<180	<36	<36	<36	<36	NA	36	36	43	<36	550	110	NA	NA	<180	NA	NA	<36	NA	290	NA	<36	NA	NA	71	410	NA	NA
		6/24	1J	<7	<1	<1	5	<1	NA	1	1	0.8J	<1	13	12	NA	NA	<7	NA	NA	<1	NA	20	NA	<1	NA	NA	6	85	NA	NA
		6/24 Dup	<25	<8	<2	<2	6D	<2	NA	2	2	1DJ	<2	13D	11D	NA	NA	<8	NA	NA	<2	NA	23D	NA	<2	NA	NA	7D	82D	NA	NA
	1996	5/10	2.2	<120	<25	<25	<25	4J	ND	ND	ND	<25	<25	0.46J	4J	ND	NA	<120	NA	ND	<25	NA	<25	ND	<25	NA	NA	<25	86	NA	NA
		10/31	<16	<5	<1	0.58J	1.5	<1	ND	ND	ND	<1	<1	<12	8.3	ND	NA	23	NA	ND	<1	NA	4.7	ND	<1	NA	NA	<1	280	NA	NA
	1997	5/13	1.7	<100	90	<11	<60	<19	ND	ND	ND	<18	<12	<0.23	<19	ND	<18	<18	<18	ND	<32	<95	<20	ND	<24	<16	<16	<23	<55	<7.0	<6.5
		10/28	3.6	5.9	<1.0	0.23	9.4	<0.38	ND	ND	ND	0.87	<0.25	<2.3	3.6	ND	1.7	0.80	6.8	ND	<0.63	97	1.2	ND	<0.49	9.6	8.7	<0.46	29	1.1	0.49
	1998	4/14	3.8	<20	<10	<2.2	35	<3.8	ND	ND	ND	<3.5	<2.5	<2.3	<3.8	ND	<3.5	<3.7	13	ND	<6.3	110	<3.9	ND	<4.9	14	12	<4.6	50	<1.4	<1.3
		10/14	NA	NA	NA	<2.2	<12	<3.8	ND	ND	ND	<3.5	<2.5	NA	19	ND	6.3	NA	18	ND	<6.3	NA	<3.9	ND	<4.9	37	22	<4.6	100	<1.4	<1.3
	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	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	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	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	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	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																												
	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	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	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	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	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	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	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	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	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	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	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	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	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl ether
LC-2	1993	5/12	5	<18	<4	18	<4	<4	<1.0	<4	<4	380D	<4	<4	49	NA	NA	<18	NA	NA	<4	NA	71	NA	<4	NA	NA	<4	160D	NA	NA
		6/24	10	<16	<3	20	<3	<3	<1.0	<3	<3	170D	<3	<3	54	NA	NA	<16	NA	NA	<3	NA	27	NA	<3	NA	NA	<3	180	NA	NA
	1996	5/10	4.0	<12	<2	10	5	<2	<1.0	NA	NA	<2	0.2J	<2	<2	NA	NA	<12	NA	NA	<2	NA	0.6J	NA	<2	NA	NA	<2	20	NA	NA
		10/31	6.6	<5	<1	24	8.1	<1.0	<1.0	<5	<5	11	0.22J	3.1	42	NA	NA	<5.0	NA	NA	2.7	NA	6.8	NA	0.56J	NA	NA	<1.0	140	NA	NA
	1997	5/13	5.8	<20	<10	17	<12	<3.8	<1.0	<2	<2.2	8.3	<2.5	<2.3	<3.8	<3.6	<3.5	<3.7	4.4	<4.6	<6.3	<19	<3.9	<1.8	<4.9	6.9	5.5	<4.6	34	<1.4	<1.3
		10/28	7.0	2.3	<1.0	25	6.4	<0.38	<1.0	0.59	0.23	8.2	<0.20	<0.23	18	0.64	1.1	<0.37	8.9	<0.46	<0.63	240J	1.4	0.18	<0.49	17	6.5	<0.46	40	1.6	1.2
	1998	4/14	<16	<100	<50	25	<60	<19	<1.0	<10	<11	<18	<12	<12	<19	<18	<18	<18	<18	<23	<32	200	<20	<9.0	<24	<16	<16	<23	<55	<7	<6.5
		10/14	4.0	NA	NA	91	<2.4	<0.76	<1.0	<0.44	<0.44	18	<0.50	<0.46	45	1.4	<0.70	NA	7.1	<0.92	<1.3	NA	<0.78	<0.36	<0.98	17	3.5	<0.92	39	1.3	0.94
	1999	4/7	6.2	NA	NA	44	<1.0	<1.0	<1.0	<1.0	<1.0	28	<1.0	<1.0	150	3.9	<1.0	NA	7.1	2.8	<1.0	NA	<0.40	<1.0	<1.0	26	9.0	<1.0	380	<1.0	<1.0
		10/28	8.0	<2.5	NA	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	280	6.7	<2.5	<2.5	12	<2.5	<2.5	240	<1.0	<2.5	<2.5	42	11	<2.5	750	<2.5	<2.5
	2000	5/02	8.1	<2.5	<2.5	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	190	<2.5	<2.5	<2.5	3.6	<2.5	<2.5	190	<1.0	<2.5	<2.5	42	15	<2.5	670	<2.5	<2.5
		10/30	10	<1.0	NA	47	<1.0	<1.0	<1.0	<1.0	<1.0	33	<1.0	<1.0	130	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	0.68	<1.0	<1.0	18	13	<1.0	430	2.0	<1.0
	2001	5/09	<0.40	<1.0	NA	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	<0.40	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0
		10/9	Leachate wells not sampled																											
	2002	2/5	13	NA	NA	67	<13	<4.8	<3.2	<3.3	<3.1	39	<4.6	<4.9	180	9	<4.1	NA	13	7	<2.5	NA	<2.6	<3.1	<2.7	45	12	<3.5	720	<5.7	<5.9
		5/22	14	NA	NA	51	ND	ND	ND	ND	ND	33	ND		96	3.3 Q	ND	NA	ND	ND	ND	ND	ND	ND	ND	23	9.5	ND	570	NA	NA
	2003	4/22	12	ND	ND	43	ND	ND	ND	ND	ND	30	ND	ND	210	NA	NA	NA	10	NA	ND	170	ND	NA	ND	NA	NA	ND	980	ND	NA
	2004	4/28	9	ND	ND	30	1.8 Q	ND	ND	ND	ND	23	ND	ND	88	NA	NA	NA	4.4	NA	ND	130	1.5 Q	NA	ND	NA	NA	ND	470 D	0.87 Q	NA
	2005	8/3	11	ND	ND	43	ND	ND	ND	ND	ND	25	ND	ND	92	NA	NA	NA	3.7	NA	ND	180	ND	NA	ND	NA	NA	ND	770	ND	NA
	2006	4/28[1]	13	ND	ND	45	ND	ND	ND	ND	ND	33	ND	ND	85	NA	NA	NA	17	NA	ND	220	ND	NA	ND	NA	NA	ND	1100	ND	NA
	2007	5/02	12	<22	<3.3	50	<4.8	<1.2	<5.0	<4.1	<4.4	22	<3.8	<4.1	52	NA	NA	NA	6.3	NA	<2.2	170	<3.4	NA	<2.4	NA	NA	<0.9	780	<3	NA
	2008	5/6	7.6	<4.3	<0.66	58.2	<0.97	<0.24	<0.99	<0.83	<0.87	13.1	<0.75	<0.83	43.3	NA	NA	NA	11.3	NA	<0.45	128	2.1	NA	<0.48	NA	NA	<0.18	337	<0.61	NA
	2009	4/9	10.9	<22	<3	45.9	<5	<1	<5	<4	<4	16.3	<4	<4	91.3	NA	NA	NA	6.9J	NA	<2	138	<3	NA	<2	NA	NA	<1	618	<3	NA
	2010	5/26	13.7	ND	ND	45.2	ND	ND	ND	ND	ND	18.6	ND	ND	ND	ND	ND	ND	12.7J	ND	ND	187	ND	ND	ND	ND	ND	ND	953	ND	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	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl 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	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	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	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	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	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	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	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	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	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	NA	NA	NA	NA	NA
	2000	5/02	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5800	<25	<25	<25	<25	25	<25	<25	<25	65	<25	<25	<10	<10	330	<25	<25	<25
		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	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	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																												
	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	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	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	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	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	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	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	NA	NA	NA	NA	NA	NA
	2007	5/02	<4.1	<43	<6.6	<4.1	<9.7	<2.4	<9.9	<8.3	<8.7	<9.5	<7.5	170	13	NA	NA	NA	<7.4	NA	<4.5	290	35	NA	<4.8	NA	NA	13	65	<6.1	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	NA	NA	NA	NA	NA	NA
	2009	4/9[1]	<1	<9	<1	<1	<2	<1	<2	<2	<2	<2	<2	296	2.2	NA	NA	NA	<2	NA	<1	22	13.6	NA	22	NA	NA	11.3	17.3	<6.1	NA
	2010	5/26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1180	ND	ND	ND	ND	ND	ND	ND	20.6J	29.8	ND	23.8	ND	ND	14.5	47.5	ND	ND

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

Leachate Well ID	Year	Date	Parameter																													
			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	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl 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
Q = Between LOD and LOQ
4/28[1] Acetone detected at 29 ug/l
4/9[1] Acetone detected at 56.9 ug/l
Many samples results indicated the presence of methylene chloride and/or acetone.
Validation of the data indicated that these compounds were not actually present in the water from the leachate wells.
These, and other compounds not detected in the samples are not included on the summary table.

All concentrations are in parts per billion (ppb)

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

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

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

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

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

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

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

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-1	9:36	11/2/2010	16.0	24.2	1.5	58.3	
	8:49	11/15/2010	15.5	23.4	1.5	59.6	
	9:45	12/10/2010	14.0	22.8	1.5	61.7	
	9:00	12/23/2010	15.5	22.6	1.6	60.3	
	9:18	1/10/2011	11.5	22.2	1.6	64.7	
	12:15	2/11/2011	34.0	24.6	1.7	39.7	
	9:20	3/7/2011	4.9	15.2	6.5	73.5	

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

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

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

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

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

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

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

Active Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
LC-2	9:15	11/15/2010	48.0	32.4	1.6	18.0	
	9:55	12/10/2010	44.5	32.2	1.6	21.7	
	9:15	12/23/2010	43.5	32.6	1.6	22.3	
	9:30	1/10/2011	43	31.4	2.3	23.3	
	11:45	2/11/2011	52.0	30.8	1.5	15.7	
	9:30	2/22/2011	12.0	8.4	15.1	64.5	
	9:05	3/7/2011	13.0	9.2	14.5	63.3	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Closed Extraction Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GV-12	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	
	9:40	8/8/2006	4.1	17.2	6.7	72.0	
	9:35	8/16/2006	0.7	2.8	17.5	79.0	
	8:14	8/21/2006	0.1	0.2	6.5	93.2	
	2:05	8/28/2006	5.3	18.7	6.7	69.3	
	11:16	9/13/2006	0.6	1.7	7.4	90.3	
	11:15	9/25/2006	12.6	27.8	2.1	57.5	
	8:15	10/10/2006	5.3	18.7	16.6	59.4	
	8:15	10/23/2006	4.7	18.7	9.0	67.6	
	14:44	11/2/2006	0.3	4.2	16.0	79.5	
	13:48	11/14/2006	5.0	16.2	4.8	74.0	
	11:22	11/27/2006	3.5	14.2	6.4	76.0	
	12:45	12/26/2006	3.9	13.2	7.6	75.4	
	13:23	1/27/2007	18.0	6.8	14.7	60.5	
	9:25	2/15/2007	0.3	0.6	19.5	79.7	
	9:37	2/15/2007	0.3	1.2	18.8	79.7	
	11:05	2/24/2007	0.4	1.2	19.3	79.1	
	9:34	3/1/2007	20.0	23.6	0.4	56.0	
	9:56	3/1/2007	19.0	23.4	0.2	57.4	
	11:07	3/1/2007	17.0	22.6	0.3	60.1	
	12:16	3/1/2007	14.5	21.4	0.2	63.9	
	13:19	3/1/2007	13.5	21.8	0.2	64.5	
	13:20	3/1/2007	15.0	22.6	0.3	62.1	
	14:27	3/1/2007	12.5	20.8	0.5	66.2	
	8:20	3/5/2007	6.0	18.2	2.1	73.7	adjust blower time, 12 on, 12 off
	8:15	3/24/2007	1.1	14.2	7.9	76.9	
	17:05	3/24/2007	0.8	14.2	7.6	77.4	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Monitoring Points	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
			variable	variable	<5	<40	target percentages
GP-7	7:40	3/22/2006	1.0	7.0	13.0	79.0	pre-startup
	15:50	3/23/2006	0.1	5.0	14.7	80.2	
	15:00	3/30/2006	**7.1**	4.6	18.2	70.1	
	14:20	4/6/2006	0.1	2.3	17.0	80.6	
	14:25	4/11/2006	0.2	3.2	16.3	80.3	
	12:07	4/14/2006	0.1	5.2	11.8	82.9	
	10:15	4/17/2006	**10.5**	1.3	18.5	69.7	
	10:25	4/28/2006	0.0	1.7	19.2	79.1	
	14:25	5/4/2006	1.2	2.2	18.8	77.8	
	11:22	5/22/2006	0.0	1.0	19.5	79.5	
	13:00	6/2/2006	0.2	1.6	18.5	79.7	
	9:20	6/9/2006	3.7	2.4	20.0	73.9	
	14:05	6/14/2006	3.1	2.5	19.2	75.2	
	9:45	6/22/2006	0.5	1.7	19.1	78.7	
	11:10	7/5/2006	0.5	1.5	19.3	78.7	
	10:30	7/10/2006	0.0	0.0	18.6	81.4	
	9:55	7/17/2006	0.1	0.0	18.5	81.4	
	12:05	7/28/2006	0.0	3.7	18.5	77.8	
	9:00	8/8/2006	0.6	1.3	19.0	79.**1**	
	7:25	8/16/2006	0.5	1.5	19.2	78.8	
	7:16	8/21/2006	0.5	1.4	19.8	78.3	
	13:19	8/28/2006	0.4	1.2	19.5	78.9	
	10:19	9/13/2006	0.6	1.3	19.9	78.2	
	11:03	9/25/2006	1.8	2.2	17.7	78.3	
	7:28	10/10/2006	0.7	1.4	19.5	78.4	
	7:32	10/23/2006	3.0	2.8	19.0	75.2	
	13:00	11/2/2006	0.5	1.6	19.8	78.**1**	
	13:18	11/14/2006	0.2	3.2	17.2	79.4	
	10:30	11/27/2006	0.0	1.2	19.0	79.8	
	14:15	12/26/2006	0.3	2.6	18.0	79.**1**	
	13:40	1/27/2007	0.1	3.4	16.7	79.9	
	12:40	2/24/2007	0.4	3.2	17.2	79.2	
	15:55	3/28/2007	0.1	1.2	18.9	79.8	
	10:43	5/1/2007	0.1	3.6	15.1	81.2	
	12:26	5/30/2007	0.0	3.6	15.6	80.8	
	16:20	6/19/2007	0.0	2.6	17.5	79.9	
	10:50	8/13/2007	0.1	1.4	19.3	79.3	
	11:10	10/18/2007	0.1	3.6	15.5	80.8	
	11:24	1/23/2008	0.0	3.2	17.6	79.2	
	10:48	6/12/2008	0.0	1.4	18.4	80.2	
	10:55	7/21/2008	0.0	2.6	17.3	80.1	
	12:50	10/3/2008	0.0	1.8	19.6	78.6	
	9:50	10/13/2008	0.1	1.6	19.4	79.0	
	10:00	1/27/2009	0.2	3.0	18.2	78.6	
	10:58	4/9/2009	0.0	3.2	16.6	80.2	
	10:15	7/22/2009	0.0	0.4	19.1	80.5	
	9:05	10/28/2009	0.0	1.4	18.2	80.4	
	7:50	1/26/2010	0.0	0.4	20.0	79.6	
	8:14	5/25/2010	0.0	1.8	17.7	80.5	
	8:35	9/28/2010	0.0	4.0	14.3	81.7	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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	1,1,1,2-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												

Values in ppbv (parts per billion by volume)
Analyzed using EPA Method TO-14A
P:\Ripon_Landfill\2011\January 2011\Tables\Table 7 Gas VOC's

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

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

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

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												

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

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								

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

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
																	2.4												

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®
www.pacelabs.com

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

February 09, 2011

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

RE: Project: FF/NN Landfill
Pace Project No.: 3040536

Dear Mr. Olavarria:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com
Project Manager

Enclosures

cc: Mr. Michael Noel, Geotrans, Inc.

Pace Analytical®
www.pacelabs.com

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.: 3040536

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
A2LA cert#

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

SAMPLE SUMMARY

Project: FF/NN Landfill
Pace Project No.: 3040536

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3040536001	LC-1	Air	01/25/11 08:34	01/26/11 09:35
3040536002	LC-2	Air	01/25/11 08:27	01/26/11 09:35
3040536003	LC-3	Air	01/25/11 08:35	01/26/11 09:35
3040536004	GV-6	Air	01/25/11 08:33	01/26/11 09:35
3040536005	GP-3	Air	01/25/11 08:45	01/26/11 09:35

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Greensburg, PA 15601
(724)850-560

SAMPLE ANALYTE COUNT

Project: FF/NN Landfill
Pace Project No.: 3040536

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3040536001	LC-1	TO-14 Ambient Air	CJR	40	PASI-M
3040536002	LC-2	TO-14 Ambient Air	CJR	40	PASI-M
3040536003	LC-3	TO-14 Ambient Air	CJR	40	PASI-M
3040536004	GV-6	TO-14 Ambient Air	CJR	40	PASI-M
3040536005	GP-3	TO-14 Ambient Air	CJR	40	PASI-M

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

ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3040536

Sample: LC-1 **Lab ID: 3040536001** Collected: 01/25/11 08:34 Received: 01/26/11 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	71-43-2	
Bromomethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	74-83-9	
Carbon tetrachloride	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	56-23-5	
Chlorobenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	108-90-7	
Chloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-00-3	
Chloroform	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	67-66-3	
Chloromethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	76-14-2	
Ethylbenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	87-68-3	
Methylene Chloride	**5.4**	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-09-2	
Styrene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	79-34-5	
Tetrachloroethene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	127-18-4	
THC as Gas	**67.7**	ppbv	58.8	29.4	1.68		02/01/11 00:45		
Toluene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	79-00-5	
Trichloroethene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	108-67-8	
Vinyl chloride	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	75-01-4	
m&p-Xylene	ND	ppbv	1.7	0.84	1.68		02/01/11 00:45	179601-23-1	
o-Xylene	ND	ppbv	0.84	0.42	1.68		02/01/11 00:45	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3040536

Sample: LC-2 **Lab ID: 3040536002** Collected: 01/25/11 08:27 Received: 01/26/11 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	71-43-2	
Bromomethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	74-83-9	
Carbon tetrachloride	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	56-23-5	
Chlorobenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	108-90-7	
Chloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-00-3	
Chloroform	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	67-66-3	
Chloromethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	76-14-2	
Ethylbenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	87-68-3	
Methylene Chloride	**2.6**	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-09-2	
Styrene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	79-34-5	
Tetrachloroethene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	127-18-4	
THC as Gas	**117**	ppbv	63.0	31.5	1.8		02/01/11 01:14		
Toluene	**1.1**	ppbv	0.90	0.45	1.8		02/01/11 01:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	79-00-5	
Trichloroethene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	108-67-8	
Vinyl chloride	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	75-01-4	
m&p-Xylene	ND	ppbv	1.8	0.90	1.8		02/01/11 01:14	179601-23-1	
o-Xylene	ND	ppbv	0.90	0.45	1.8		02/01/11 01:14	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3040536

Sample: LC-3 **Lab ID: 3040536003** Collected: 01/25/11 08:35 Received: 01/26/11 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 AmbientAir								
Benzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	71-43-2	
Bromomethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	74-83-9	
Carbon tetrachloride	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	56-23-5	
Chlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	108-90-7	
Chloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-00-3	
Chloroform	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	67-66-3	
Chloromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	76-14-2	
Ethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	87-68-3	
Methylene Chloride	**2.4**	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-09-2	
Styrene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	79-34-5	
Tetrachloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	127-18-4	
THC as Gas	ND	ppbv	55.0	27.5	1.57		02/01/11 01:45		
Toluene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	79-00-5	
Trichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	108-67-8	
Vinyl chloride	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	75-01-4	
m&p-Xylene	ND	ppbv	1.6	0.78	1.57		02/01/11 01:45	179601-23-1	
o-Xylene	ND	ppbv	0.78	0.39	1.57		02/01/11 01:45	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3040536

Sample: GV-6 **Lab ID: 3040536004** Collected: 01/25/11 08:33 Received: 01/26/11 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	71-43-2	
Bromomethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	74-83-9	
Carbon tetrachloride	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	56-23-5	
Chlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	108-90-7	
Chloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-00-3	
Chloroform	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	67-66-3	
Chloromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	76-14-2	
Ethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	87-68-3	
Methylene Chloride	**3.5**	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-09-2	
Styrene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	79-34-5	
Tetrachloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	127-18-4	
THC as Gas	ND	ppbv	55.0	27.5	1.57		02/01/11 02:14		
Toluene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	79-00-5	
Trichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	108-67-8	
Vinyl chloride	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	75-01-4	
m&p-Xylene	ND	ppbv	1.6	0.78	1.57		02/01/11 02:14	179601-23-1	
o-Xylene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:14	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3040536

Sample: GP-3 **Lab ID: 3040536005** Collected: 01/25/11 08:45 Received: 01/26/11 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSVAIR - Ambient	Analytical Method: TO-14 Ambient Air								
Benzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	71-43-2	
Bromomethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	74-83-9	
Carbon tetrachloride	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	56-23-5	
Chlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	108-90-7	
Chloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-00-3	
Chloroform	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	67-66-3	
Chloromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	76-14-2	
Ethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	87-68-3	
Methylene Chloride	**1.0**	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-09-2	
Styrene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	79-34-5	
Tetrachloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	127-18-4	
THC as Gas	ND	ppbv	55.0	27.5	1.57		02/01/11 02:43		
Toluene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	79-00-5	
Trichloroethene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	108-67-8	
Vinyl chloride	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	75-01-4	
m&p-Xylene	ND	ppbv	1.6	0.78	1.57		02/01/11 02:43	179601-23-1	
o-Xylene	ND	ppbv	0.78	0.39	1.57		02/01/11 02:43	95-47-6	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3040536

QC Batch: AIR/11649 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3040536001, 3040536002, 3040536003, 3040536004, 3040536005

METHOD BLANK: 925059 Matrix: Air
Associated Lab Samples: 3040536001, 3040536002, 3040536003, 3040536004, 3040536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	01/31/11 09:15	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	01/31/11 09:15	
1,1,2-Trichloroethane	ppbv	ND	0.50	01/31/11 09:15	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	01/31/11 09:15	
1,1-Dichloroethane	ppbv	ND	0.50	01/31/11 09:15	
1,1-Dichloroethene	ppbv	ND	0.50	01/31/11 09:15	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	01/31/11 09:15	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	01/31/11 09:15	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	01/31/11 09:15	
1,2-Dichlorobenzene	ppbv	ND	0.50	01/31/11 09:15	
1,2-Dichloroethane	ppbv	ND	0.50	01/31/11 09:15	
1,2-Dichloropropane	ppbv	ND	0.50	01/31/11 09:15	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	01/31/11 09:15	
1,3-Dichlorobenzene	ppbv	ND	0.50	01/31/11 09:15	
1,4-Dichlorobenzene	ppbv	ND	0.50	01/31/11 09:15	
Benzene	ppbv	ND	0.50	01/31/11 09:15	
Bromomethane	ppbv	ND	0.50	01/31/11 09:15	
Carbon tetrachloride	ppbv	ND	0.50	01/31/11 09:15	
Chlorobenzene	ppbv	ND	0.50	01/31/11 09:15	
Chloroethane	ppbv	ND	0.50	01/31/11 09:15	
Chloroform	ppbv	ND	0.50	01/31/11 09:15	
Chloromethane	ppbv	ND	0.50	01/31/11 09:15	
cis-1,2-Dichloroethene	ppbv	ND	0.50	01/31/11 09:15	
cis-1,3-Dichloropropene	ppbv	ND	0.50	01/31/11 09:15	
Dichlorodifluoromethane	ppbv	ND	0.50	01/31/11 09:15	
Dichlorotetrafluoroethane	ppbv	ND	0.50	01/31/11 09:15	
Ethylbenzene	ppbv	ND	0.50	01/31/11 09:15	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	01/31/11 09:15	
m&p-Xylene	ppbv	ND	1.0	01/31/11 09:15	
Methylene Chloride	ppbv	ND	0.50	01/31/11 09:15	
o-Xylene	ppbv	ND	0.50	01/31/11 09:15	
Styrene	ppbv	ND	0.50	01/31/11 09:15	
Tetrachloroethene	ppbv	ND	0.50	01/31/11 09:15	
THC as Gas	ppbv	ND	35.0	01/31/11 09:15	
Toluene	ppbv	ND	0.50	01/31/11 09:15	
trans-1,2-Dichloroethene	ppbv	ND	0.50	01/31/11 09:15	
trans-1,3-Dichloropropene	ppbv	ND	0.50	01/31/11 09:15	
Trichloroethene	ppbv	ND	0.50	01/31/11 09:15	
Trichlorofluoromethane	ppbv	ND	0.50	01/31/11 09:15	
Vinyl chloride	ppbv	ND	0.50	01/31/11 09:15	

Pace Analytical Services, Inc.
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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3040536

LABORATORY CONTROL SAMPLE: 925060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	9.5	95	75-135	
1,1,2,2-Tetrachloroethane	ppbv	10	10.0	100	69-131	
1,1,2-Trichloroethane	ppbv	10	9.5	95	64-127	
1,1,2-Trichlorotrifluoroethane	ppbv	10	9.7	97	53-125	
1,1-Dichloroethane	ppbv	10	10.1	101	60-125	
1,1-Dichloroethene	ppbv	10	10.4	104	69-128	
1,2,4-Trichlorobenzene	ppbv	10	7.0	70	30-150	
1,2,4-Trimethylbenzene	ppbv	10	10	100	61-150	
1,2-Dibromoethane (EDB)	ppbv	10	9.4	94	68-136	
1,2-Dichlorobenzene	ppbv	10	9.1	91	59-150	
1,2-Dichloroethane	ppbv	10	10.1	101	66-127	
1,2-Dichloropropane	ppbv	10	10.0	100	75-134	
1,3,5-Trimethylbenzene	ppbv	10	9.9	99	71-150	
1,3-Dichlorobenzene	ppbv	10	9.8	98	58-147	
1,4-Dichlorobenzene	ppbv	10	9.9	99	62-143	
Benzene	ppbv	10	9.8	98	71-125	
Bromomethane	ppbv	10	9.8	98	69-125	
Carbon tetrachloride	ppbv	10	9.2	92	60-145	
Chlorobenzene	ppbv	10	9.2	92	73-143	
Chloroethane	ppbv	10	10.1	101	71-128	
Chloroform	ppbv	10	9.9	99	73-137	
Chloromethane	ppbv	10	9.5	95	64-125	
cis-1,2-Dichloroethene	ppbv	10	9.3	93	67-131	
cis-1,3-Dichloropropene	ppbv	10	9.6	96	75-150	
Dichlorodifluoromethane	ppbv	10	10.0	100	69-124	
Dichlorotetrafluoroethane	ppbv	10	10	100	59-125	
Ethylbenzene	ppbv	10	9.6	96	75-150	
Hexachloro-1,3-butadiene	ppbv	10	7.2	72	30-150	SS
m&p-Xylene	ppbv	20	19.2	96	68-138	
Methylene Chloride	ppbv	10	9.5	95	45-125	
o-Xylene	ppbv	10	9.8	98	69-143	
Styrene	ppbv	10	9.8	98	62-137	
Tetrachloroethene	ppbv	10	8.5	85	68-136	
THC as Gas	ppbv	700	646	92	55-149	
Toluene	ppbv	10	9.5	95	70-128	
trans-1,2-Dichloroethene	ppbv	10	9.3	93	69-131	
trans-1,3-Dichloropropene	ppbv	10	10.1	101	65-135	
Trichloroethene	ppbv	10	8.7	87	75-147	
Trichlorofluoromethane	ppbv	10	10	100	63-127	
Vinyl chloride	ppbv	10	10.0	100	66-125	

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QUALIFIERS

Project: FF/NN Landfill
Pace Project No.: 3040536

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FF/NN Landfill
Pace Project No.: 3040536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3040536001	**LC-1**	TO-14 Ambient Air	AIR/11649		
3040536002	**LC-2**	TO-14 Ambient Air	AIR/11649		
3040536003	**LC-3**	TO-14 Ambient Air	AIR/11649		
3040536004	**GV-6**	TO-14 Ambient Air	AIR/11649		
3040536005	**GP-3**	TO-14 Ambient Air	AIR/11649		

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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.

03946

Page: 1 of 1

Section A Required Client Information:

Company: GeoTrans
Address: 175 N. Corporate Dr Suite #100 Brookfield WI
Email To:
Phone: 262-792-6282 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mike Noel
Copy To: Nelson Olavarria Cooper Ind. Houston TX
Purchase Order No.:
Project Name: FINN Landfill
Project Number: 1011.05.09

Section C Invoice Information:

Attention: Nelson Olavarria Thy Pace Pittsburgh
Company Name: Cooper Industries
Address: Houston TX
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☒ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II. ___ III. ___ IV. ___ Other ___

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START / GRAB DATE	COLLECTED TIME	COMPOSITE END DATE	COLLECTED 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	TO-15	TO15 Short List*	Pace Lab ID
1	LC-1	1LC		1.25	0733	1.25	0834	-28	-7	1319								✓			001
2	LC-2	1LC		1.25	0721	1.25	0827	-29	-5	1299								✓			002
3	LC-3	1LC		1.25	0738	1.25	0838	-28	-0	1011								✓			003
4	GV-6	1LC		1.25	0730	1.25	0853	-26	0	901								✓			004
5	GP-3	1LC		1.25	0739	1.25	0845	-30	-1	1300								✓			005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Method: TO-15 SIM VOC+

3040536 ~~505~~ ROC 1/27/11

Pace Lab ID

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jack Wendler City of Kipa	1.25.11	1010	[signature]	1-26-11	0935

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 J Wendler

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 1.25.11

ORIGINAL

AIR Sample Condition Upon Receipt

Pace Analytical

Client Name: GEOTRANS Project # 30405310

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 3246

Comments:

Date and Initials of person examining contents: 1-26-11 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: AIR (CAN)		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	1319		FC0123				
LC-2	1299		FC0116				
LC-3	1011		FC0118				
G-V-6	0901		FC0115				
G-P-3	1300		FC0128				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Rachel DChurnes **Date:** 1/27/11

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

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

ANALYTICAL REPORT

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

NLS Project: 157789
NLS Customer: 94575

Client: Pace Analytical Services Inc (GB)
Attn: Alee Her
1241 Bellevue Street
Green Bay, WI 54302 2156

Fax: 920 469 8827 Phone: 800 736 2436

Project: 4042067 FF/NN Landfill 117-2202040.05

Rohde NLS ID: 599190
COC: Pace Matrix: DW
Collected: 01/26/11 15:55 Received: 02/01/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					02/03/11	EPA 524.2	721026460

Gaastra NLS ID: 599191
COC: Pace Matrix: DW
Collected: 01/26/11 13:10 Received: 02/01/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					02/03/11	EPA 524.2	721026460

TB-2 NLS ID: 599192
COC: Pace Matrix: DW
Collected: 01/26/11 00:00 Received: 02/01/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					02/03/11	EPA 524.2	721026460

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

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

Reviewed by:

Authorized by:
R. T. Krueger
President

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**

Project Description: 4042067

Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE** **Printed: 02/04/2011 07:59**

Sample: 599190 Rohde Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.12	0.39		
Bromobenzene	ND	ug/L	1	0.21	0.70		
Bromochloromethane	ND	ug/L	1	0.17	0.56		
Bromodichloromethane	ND	ug/L	1	0.21	0.70		
Bromoform	ND	ug/L	1	0.33	1.1		
Bromomethane	ND	ug/L	1	0.26	0.87		
n-Butylbenzene	ND	ug/L	1	0.16	0.53		
sec-Butylbenzene	ND	ug/L	1	0.13	0.45		
tert-Butylbenzene	ND	ug/L	1	0.13	0.44		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.63		
Chlorobenzene	ND	ug/L	1	0.13	0.42		
Chloroethane	ND	ug/L	1	1.0	3.4		
Chloroform	ND	ug/L	1	0.11	0.37		
Chloromethane	ND	ug/L	1	0.16	0.54		
2-Chlorotoluene	ND	ug/L	1	0.15	0.50		
4-Chlorotoluene	ND	ug/L	1	0.11	0.38		
Dibromochloromethane	ND	ug/L	1	0.27	0.91		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.44	1.5		
1,2-Dibromoethane	ND	ug/L	1	0.29	0.98		
Dibromomethane	ND	ug/L	1	0.24	0.79		
1,2-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,3-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,4-Dichlorobenzene	ND	ug/L	1	0.12	0.39		
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.42		
1,1-Dichloroethane	ND	ug/L	1	0.14	0.55		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethene	ND	ug/L	1	0.11	0.37		
cis-1,2-Dichloroethene	ND	ug/L	1	0.13	0.47		
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.38		
1,2-Dichloropropane	ND	ug/L	1	0.16	0.53		
1,3-Dichloropropane	ND	ug/L	1	0.26	0.86		
2,2-Dichloropropane	ND	ug/L	1	0.13	0.42		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.37		
cis-1,3-Dichloropropene	ND	ug/L	1	0.23	0.77		
trans-1,3-Dichloropropene	ND	ug/L	1	0.17	0.56		
Ethylbenzene	ND	ug/L	1	0.11	0.42		
Hexachlorobutadiene	ND	ug/L	1	0.17	0.57		
Isopropylbenzene	ND	ug/L	1	0.14	0.53		
p-Isopropyltoluene	ND	ug/L	1	0.12	0.38		
Methylene chloride	ND	ug/L	1	0.34	1.1		
Naphthalene	ND	ug/L	1	0.44	1.5		
n-Propylbenzene	ND	ug/L	1	0.13	0.42		
ortho-Xylene	ND	ug/L	1	0.11	0.38		
Styrene	ND	ug/L	1	0.14	0.46		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.18	0.61		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1		
Tetrachloroethene	ND	ug/L	1	0.10	0.34		
Toluene	ND	ug/L	1	0.11	0.43		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.45	1.5		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2		
1,1,1-Trichloroethane	ND	ug/L	1	0.12	0.43		
1,1,2-Trichloroethane	ND	ug/L	1	0.28	0.94		
Trichloroethene	ND	ug/L	1	0.12	0.41		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn 3)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**
Project Description: 4042067
Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE** **Printed: 02/04/2011 07:59**

Sample: 599190 Rohde Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.12	0.39		
1,2,3-Trichloropropane	ND	ug/L	1	0.46	1.5		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.10	0.37		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
Vinyl chloride	ND	ug/L	1	0.13	0.42		
meta,para-Xylene	ND	ug/L	1	0.21	0.71		
MTBE	ND	ug/L	1	0.32	1.1		
Acetone	ND	ug/L	1	3.6	12		
Carbon disulfide	ND	ug/L	1	0.14	0.54		
Vinyl Acetate	ND	ug/L	1	0.50	1.7		
Methyl ethyl ketone	ND	ug/L	1	0.88	2.9		
4-Methyl-2-Pentanone	ND	ug/L	1	0.82	2.7		
2-Hexanone	ND	ug/L	1	0.84	2.8		
4-Bromofluorobenzene (SURR)	103%						S
1,2-Dichlorobenzene - d4 (SURR)	107%						S

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

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**

Project Description: 4042067

Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE Printed: 02/04/2011 07:59**

Sample: 599191 Gaastra Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.12	0.39		
Bromobenzene	ND	ug/L	1	0.21	0.70		
Bromochloromethane	ND	ug/L	1	0.17	0.56		
Bromodichloromethane	ND	ug/L	1	0.21	0.70		
Bromoform	ND	ug/L	1	0.33	1.1		
Bromomethane	ND	ug/L	1	0.26	0.87		
n-Butylbenzene	ND	ug/L	1	0.16	0.53		
sec-Butylbenzene	ND	ug/L	1	0.13	0.45		
tert-Butylbenzene	ND	ug/L	1	0.13	0.44		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.63		
Chlorobenzene	ND	ug/L	1	0.13	0.42		
Chloroethane	ND	ug/L	1	1.0	3.4		
Chloroform	ND	ug/L	1	0.11	0.37		
Chloromethane	ND	ug/L	1	0.16	0.54		
2-Chlorotoluene	ND	ug/L	1	0.15	0.50		
4-Chlorotoluene	ND	ug/L	1	0.11	0.38		
Dibromochloromethane	ND	ug/L	1	0.27	0.91		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.44	1.5		
1,2-Dibromoethane	ND	ug/L	1	0.29	0.98		
Dibromomethane	ND	ug/L	1	0.24	0.79		
1,2-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,3-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,4-Dichlorobenzene	ND	ug/L	1	0.12	0.39		
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.42		
1,1-Dichloroethane	ND	ug/L	1	0.14	0.55		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethene	ND	ug/L	1	0.11	0.37		
cis-1,2-Dichloroethene	ND	ug/L	1	0.13	0.47		
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.38		
1,2-Dichloropropane	ND	ug/L	1	0.16	0.53		
1,3-Dichloropropane	ND	ug/L	1	0.26	0.86		
2,2-Dichloropropane	ND	ug/L	1	0.13	0.42		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.37		
cis-1,3-Dichloropropene	ND	ug/L	1	0.23	0.77		
trans-1,3-Dichloropropene	ND	ug/L	1	0.17	0.56		
Ethylbenzene	ND	ug/L	1	0.11	0.42		
Hexachlorobutadiene	ND	ug/L	1	0.17	0.57		
Isopropylbenzene	ND	ug/L	1	0.14	0.53		
p-Isopropyltoluene	ND	ug/L	1	0.12	0.38		
Methylene chloride	ND	ug/L	1	0.34	1.1		
Naphthalene	ND	ug/L	1	0.44	1.5		
n-Propylbenzene	ND	ug/L	1	0.13	0.42		
ortho-Xylene	ND	ug/L	1	0.11	0.38		
Styrene	ND	ug/L	1	0.14	0.46		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.18	0.61		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1		
Tetrachloroethene	ND	ug/L	1	0.10	0.34		
Toluene	ND	ug/L	1	0.11	0.43		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.45	1.5		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2		
1,1,1-Trichloroethane	ND	ug/L	1	0.12	0.43		
1,1,2-Trichloroethane	ND	ug/L	1	0.28	0.94		
Trichloroethene	ND	ug/L	1	0.12	0.41		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn 3)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**
Project Description: 4042067
Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE** **Printed: 02/04/2011 07:59**

Sample: 599191 Gaastra Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.12	0.39		
1,2,3-Trichloropropane	ND	ug/L	1	0.46	1.5		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.10	0.37		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
Vinyl chloride	ND	ug/L	1	0.13	0.42		
meta,para-Xylene	ND	ug/L	1	0.21	0.71		
MTBE	ND	ug/L	1	0.32	1.1		
Acetone	ND	ug/L	1	3.6	12		
Carbon disulfide	ND	ug/L	1	0.14	0.54		
Vinyl Acetate	ND	ug/L	1	0.50	1.7		
Methyl ethyl ketone	ND	ug/L	1	0.88	2.9		
4-Methyl-2-Pentanone	ND	ug/L	1	0.82	2.7		
2-Hexanone	ND	ug/L	1	0.84	2.8		
4-Bromofluorobenzene (SURR)	109%						S
1,2-Dichlorobenzene - d4 (SURR)	110%						S

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

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**
Project Description: 4042067
Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE Printed: 02/04/2011 07:59**

Sample: 599192 TB-2 Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.12	0.39		
Bromobenzene	ND	ug/L	1	0.21	0.70		
Bromochloromethane	ND	ug/L	1	0.17	0.56		
Bromodichloromethane	ND	ug/L	1	0.21	0.70		
Bromoform	ND	ug/L	1	0.33	1.1		
Bromomethane	ND	ug/L	1	0.26	0.87		
n-Butylbenzene	ND	ug/L	1	0.16	0.53		
sec-Butylbenzene	ND	ug/L	1	0.13	0.45		
tert-Butylbenzene	ND	ug/L	1	0.13	0.44		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.63		
Chlorobenzene	ND	ug/L	1	0.13	0.42		
Chloroethane	ND	ug/L	1	1.0	3.4		
Chloroform	ND	ug/L	1	0.11	0.37		
Chloromethane	ND	ug/L	1	0.16	0.54		
2-Chlorotoluene	ND	ug/L	1	0.15	0.50		
4-Chlorotoluene	ND	ug/L	1	0.11	0.38		
Dibromochloromethane	ND	ug/L	1	0.27	0.91		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.44	1.5		
1,2-Dibromoethane	ND	ug/L	1	0.29	0.98		
Dibromomethane	ND	ug/L	1	0.24	0.79		
1,2-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,3-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,4-Dichlorobenzene	ND	ug/L	1	0.12	0.39		
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.42		
1,1-Dichloroethane	ND	ug/L	1	0.14	0.55		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethene	ND	ug/L	1	0.11	0.37		
cis-1,2-Dichloroethene	ND	ug/L	1	0.13	0.47		
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.38		
1,2-Dichloropropane	ND	ug/L	1	0.16	0.53		
1,3-Dichloropropane	ND	ug/L	1	0.26	0.86		
2,2-Dichloropropane	ND	ug/L	1	0.13	0.42		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.37		
cis-1,3-Dichloropropene	ND	ug/L	1	0.23	0.77		
trans-1,3-Dichloropropene	ND	ug/L	1	0.17	0.56		
Ethylbenzene	ND	ug/L	1	0.11	0.42		
Hexachlorobutadiene	ND	ug/L	1	0.17	0.57		
Isopropylbenzene	ND	ug/L	1	0.14	0.53		
p-Isopropyltoluene	ND	ug/L	1	0.12	0.38		
Methylene chloride	ND	ug/L	1	0.34	1.1		
Naphthalene	ND	ug/L	1	0.44	1.5		
n-Propylbenzene	ND	ug/L	1	0.13	0.42		
ortho-Xylene	ND	ug/L	1	0.11	0.38		
Styrene	ND	ug/L	1	0.14	0.46		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.18	0.61		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1		
Tetrachloroethene	ND	ug/L	1	0.10	0.34		
Toluene	ND	ug/L	1	0.11	0.43		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.45	1.5		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2		
1,1,1-Trichloroethane	ND	ug/L	1	0.12	0.43		
1,1,2-Trichloroethane	ND	ug/L	1	0.28	0.94		
Trichloroethene	ND	ug/L	1	0.12	0.41		

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn 3)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 157789**
Project Description: 4042067
Project Title: FF/NN Landfill 117-2202040.05 **Template: SAT3PACE** **Printed: 02/04/2011 07:59**

Sample: 599192 TB-2 Collected: 01/26/11 Analyzed: 02/03/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.12	0.39		
1,2,3-Trichloropropane	ND	ug/L	1	0.46	1.5		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.10	0.37		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
Vinyl chloride	ND	ug/L	1	0.13	0.42		
meta,para-Xylene	ND	ug/L	1	0.21	0.71		
MTBE	ND	ug/L	1	0.32	1.1		
Acetone	ND	ug/L	1	3.6	12		
Carbon disulfide	ND	ug/L	1	0.14	0.54		
Vinyl Acetate	ND	ug/L	1	0.50	1.7		
Methyl ethyl ketone	ND	ug/L	1	0.88	2.9		
4-Methyl-2-Pentanone	ND	ug/L	1	0.82	2.7		
2-Hexanone	ND	ug/L	1	0.84	2.8		
4-Bromofluorobenzene (SURR)	104%						S
1,2-Dichlorobenzene - d4 (SURR)	107%						S

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

State of Wisconsin
Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.

When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30; NR635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

Prepare one form for each license or monitoring ID.

Please type or print legibly.

Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.

Attach a notification of any gas values that attain or exceed explosive gas levels.

Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
Bureau of Waste and Materials Management
Wisconsin Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53707 - 7921

Monitoring Data Submittal Information

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

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

Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
FF/NN Landfill	00467		JANUARY -26-2011

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

Type of Data Submitted (Check all that apply)

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

Notification attached?

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

Certification

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

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

Signature | Date

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

☐ Found uploading problems on _____ Initials _____

☐ Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): ☐ Diskette ☐ CD (initial submittal and follow-up) ☐ E-mail (follow-up only) Other _____

Pace Analytical Services Inc (GB)
4042067
01-JAN-11

Lab ID: 721026460
NLS Project: 157789
Collected: 01-JAN-11
License: 00467
FID:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES	ACL	Comments

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

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 4042067 **Workorder Name:** 117-2202040.05 FF/NN LANDFILL **Results Requested** 2/14/2011

Report / Invoice To	Subcontract To
Alee Her Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Email: alee.her@pacelabs.com	P.O._____ NLS

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: VOC 5242	LAB USE ONLY
1	ROHDE 599190	1/26/2011 15:55	4042067001	Water		X	
2	GAASTRA 599191	1/26/2011 13:10	4042067002	Water		X	
3	TB-2 599192	1/26/2011 00:00	4042067003	Water		X	
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] 1/31/11	1600	[signature]	
2			[signature] 2/1/11 10:00 Fedex	
3				
4				
5				

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

VBI=

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	17-2202040.05
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:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analysis Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
001	Ronde	1-26	15:55	GW	N	B	VOCs 624.2		3-40mL
002	Baastra	1-26	13:10	GW			↓		↓
003	TB-2	—	—	DI			✓		2-40mL

Profile #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	1-28-11 0800	D. Faust	1/28/11 1015
D. Faust	1/28/11 1700		
CS Logistics	1-29-11 0800		1-29-11 0820

PACE Project No. 40420647

Receipt Temp = 20.2 °C

Sample Receipt pH OK / Adjusted N/A

Cooler Custody Seal (Present) / Not Present
Intact / Not Intact

Version 6.0 06/14/06

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Geotrans Project # 4042067

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

Tracking #: _____

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

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

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

Thermometer Used NA **Type of Ice:** Wet Blue Dry None ✓ Samples on ice, cooling process has begun

Cooler Temperature R07 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 1-29-11
Initials: BF

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1/31/11

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

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March 03, 2011

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

RE: Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Dear Tim Reed:
Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Brian Basten for
Alee Her
alee.her@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

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

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SAMPLE SUMMARY

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4042070001	P-107D	Water	01/24/11 12:40	01/29/11 08:20
4042070002	P-107	Water	01/24/11 13:25	01/29/11 08:20
4042070003	MW-3B	Water	01/24/11 14:25	01/29/11 08:20
4042070004	MW-3A	Water	01/24/11 15:35	01/29/11 08:20
4042070005	P-111D	Water	01/24/11 16:05	01/29/11 08:20
4042070006	P-111D DUP	Water	01/24/11 16:10	01/29/11 08:20
4042070007	P-111	Water	01/24/11 16:30	01/29/11 08:20
4042070008	P-116	Water	01/25/11 09:20	01/29/11 08:20
4042070009	P-114	Water	01/25/11 10:20	01/29/11 08:20
4042070010	P-114 DUP	Water	01/25/11 10:25	01/29/11 08:20
4042070011	P-115	Water	01/25/11 11:10	01/29/11 08:20
4042070012	P-113A	Water	01/25/11 12:40	01/29/11 08:20
4042070013	P-113B	Water	01/25/11 12:55	01/29/11 08:20
4042070014	P-103D	Water	01/25/11 14:15	01/29/11 08:20
4042070015	P-103D MS	Water	01/25/11 14:20	01/29/11 08:20
4042070016	P-103D MSD	Water	01/25/11 14:25	01/29/11 08:20
4042070017	P-103	Water	01/25/11 14:40	01/29/11 08:20
4042070018	P-103 MS	Water	01/25/11 14:45	01/29/11 08:20
4042070019	P-103 MSD	Water	01/25/11 14:50	01/29/11 08:20
4042070020	MW-111	Water	01/26/11 13:45	01/29/11 08:20
4042070021	MW-107	Water	01/26/11 14:05	01/29/11 08:20
4042070022	MW-103	Water	01/26/11 14:25	01/29/11 08:20
4042070023	MW-101	Water	01/26/11 14:45	01/29/11 08:20
4042070024	P-101	Water	01/26/11 14:50	01/29/11 08:20
4042070025	TB-1	Water	01/26/11 00:00	01/29/11 08:20

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SAMPLE ANALYTE COUNT

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4042070001	P-107D	EPA 8260	HNW	45
4042070002	P-107	EPA 8260	HNW	45
4042070003	MW-3B	EPA 8260	HNW	45
4042070004	MW-3A	EPA 8260	HNW	45
4042070005	P-111D	EPA 8260	HNW	45
4042070006	P-111D DUP	EPA 8260	HNW	45
4042070007	P-111	EPA 8260	HNW	45
4042070008	P-116	EPA 8260	HNW	45
4042070009	P-114	EPA 8260	HNW	45
4042070010	P-114 DUP	EPA 8260	HNW	45
4042070011	P-115	EPA 8260	HNW	45
4042070012	P-113A	EPA 8260	HNW	45
4042070013	P-113B	EPA 8260	HNW	45
4042070014	P-103D	EPA 8260	HNW	45
4042070015	P-103D MS	EPA 8260	HNW	45
4042070016	P-103D MSD	EPA 8260	HNW	45
4042070017	P-103	EPA 8260	SMT	45
4042070018	P-103 MS	EPA 8260	SMT	34
4042070019	P-103 MSD	EPA 8260	SMT	34
4042070020	MW-111	EPA 8260	HNW	45
4042070021	MW-107	EPA 8260	HNW	45
4042070022	MW-103	EPA 8260	HNW	45
4042070023	MW-101	EPA 8260	HNW	45
4042070024	P-101	EPA 8260	HNW	45
4042070025	TB-1	EPA 8260	HNW	45

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-107D **Lab ID: 4042070001** Collected: 01/24/11 12:40 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 11:28	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 11:28	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 11:28	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 11:28	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:28	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:28	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 11:28	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:28	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 11:28	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 11:28	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 11:28	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 11:28	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:28	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:28	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 11:28	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 11:28	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 11:28	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:28	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:28	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 11:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 11:28	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 11:28	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 11:28	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 11:28	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 11:28	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 11:28	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 11:28	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 11:28	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 11:28	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 11:28	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 11:28	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:28	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 11:28	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 11:28	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 11:28	75-69-4	
Vinyl chloride	**2.6**	ug/L	1.0	0.18	1		02/01/11 11:28	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 11:28	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:28	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 11:28	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 11:28	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 11:28	10061-02-6	
4-Bromofluorobenzene (S)	104	%	69-130		1		02/01/11 11:28	460-00-4	
Dibromofluoromethane (S)	105	%	70-134		1		02/01/11 11:28	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		02/01/11 11:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-107 **Lab ID: 4042070002** Collected: 01/24/11 13:25 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 11:52	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 11:52	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 11:52	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 11:52	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:52	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:52	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 11:52	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:52	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 11:52	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 11:52	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 11:52	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 11:52	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:52	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:52	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 11:52	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 11:52	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 11:52	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:52	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:52	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 11:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 11:52	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 11:52	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 11:52	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 11:52	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 11:52	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 11:52	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 11:52	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 11:52	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 11:52	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 11:52	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 11:52	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:52	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 11:52	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 11:52	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 11:52	75-69-4	
Vinyl chloride	**0.92J**	ug/L	1.0	0.18	1		02/01/11 11:52	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 11:52	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:52	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 11:52	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 11:52	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 11:52	10061-02-6	
4-Bromofluorobenzene (S)	103	%	69-130		1		02/01/11 11:52	460-00-4	
Dibromofluoromethane (S)	99	%	70-134		1		02/01/11 11:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		02/01/11 11:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-3B **Lab ID: 4042070003** Collected: 01/24/11 14:25 Received: 01/29/11 08:20 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-3A **Lab ID: 4042070004** Collected: 01/24/11 15:35 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 12:39	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 12:39	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 12:39	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 12:39	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 12:39	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 12:39	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 12:39	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 12:39	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 12:39	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 12:39	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 12:39	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 12:39	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 12:39	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 12:39	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 12:39	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 12:39	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 12:39	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 12:39	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 12:39	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 12:39	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 12:39	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 12:39	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 12:39	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 12:39	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 12:39	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 12:39	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 12:39	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 12:39	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 12:39	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 12:39	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 12:39	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 12:39	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 12:39	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 12:39	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 12:39	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 12:39	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 12:39	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 12:39	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 12:39	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 12:39	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 12:39	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 12:39	10061-02-6	
4-Bromofluorobenzene (S)	104	%	69-130		1		02/01/11 12:39	460-00-4	
Dibromofluoromethane (S)	105	%	70-134		1		02/01/11 12:39	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		02/01/11 12:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-111D **Lab ID: 4042070005** Collected: 01/24/11 16:05 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 13:02	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 13:02	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 13:02	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 13:02	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:02	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:02	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 13:02	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 13:02	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:02	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 13:02	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 13:02	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 13:02	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 13:02	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:02	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:02	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 13:02	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 13:02	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 13:02	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:02	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:02	108-90-7	
Chloroethane	**1.9**	ug/L	1.0	0.97	1		02/01/11 13:02	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 13:02	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 13:02	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 13:02	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 13:02	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 13:02	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 13:02	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 13:02	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 13:02	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 13:02	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 13:02	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 13:02	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:02	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 13:02	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 13:02	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 13:02	75-69-4	
Vinyl chloride	**5.2**	ug/L	1.0	0.18	1		02/01/11 13:02	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 13:02	1330-20-7	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.83	1		02/01/11 13:02	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 13:02	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 13:02	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 13:02	10061-02-6	
4-Bromofluorobenzene (S)	97	%	69-130		1		02/01/11 13:02	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		02/01/11 13:02	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		02/01/11 13:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-111D DUP **Lab ID: 4042070006** Collected: 01/24/11 16:10 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 13:26	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 13:26	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 13:26	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 13:26	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:26	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 13:26	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 13:26	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:26	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 13:26	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 13:26	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 13:26	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 13:26	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:26	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:26	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 13:26	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 13:26	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 13:26	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:26	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:26	108-90-7	
Chloroethane	**1.7**	ug/L	1.0	0.97	1		02/01/11 13:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 13:26	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 13:26	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 13:26	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 13:26	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 13:26	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 13:26	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 13:26	1634-04-4	
Methylene Chloride	**0.55J**	ug/L	1.0	0.43	1		02/01/11 13:26	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 13:26	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 13:26	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 13:26	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:26	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 13:26	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 13:26	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 13:26	75-69-4	
Vinyl chloride	**4.5**	ug/L	1.0	0.18	1		02/01/11 13:26	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 13:26	1330-20-7	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	0.83	1		02/01/11 13:26	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 13:26	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 13:26	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 13:26	10061-02-6	
4-Bromofluorobenzene (S)	102	%	69-130		1		02/01/11 13:26	460-00-4	
Dibromofluoromethane (S)	107	%	70-134		1		02/01/11 13:26	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		02/01/11 13:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-111 **Lab ID: 4042070007** Collected: 01/24/11 16:30 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 13:49	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 13:49	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 13:49	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 13:49	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:49	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 13:49	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 13:49	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:49	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 13:49	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 13:49	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 13:49	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 13:49	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:49	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 13:49	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 13:49	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 13:49	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 13:49	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 13:49	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 13:49	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 13:49	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 13:49	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 13:49	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 13:49	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 13:49	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 13:49	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 13:49	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 13:49	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 13:49	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 13:49	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 13:49	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 13:49	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 13:49	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 13:49	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 13:49	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 13:49	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 13:49	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 13:49	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 13:49	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 13:49	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 13:49	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 13:49	10061-02-6	
4-Bromofluorobenzene (S)	98	%	69-130		1		02/01/11 13:49	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		02/01/11 13:49	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		02/01/11 13:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-116 **Lab ID: 4042070008** Collected: 01/25/11 09:20 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 14:13	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 14:13	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 14:13	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 14:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 14:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 14:13	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 14:13	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 14:13	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 14:13	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 14:13	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 14:13	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 14:13	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 14:13	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 14:13	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 14:13	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 14:13	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 14:13	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 14:13	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 14:13	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 14:13	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 14:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 14:13	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 14:13	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 14:13	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 14:13	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 14:13	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 14:13	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 14:13	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 14:13	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 14:13	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 14:13	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 14:13	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 14:13	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 14:13	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 14:13	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 14:13	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 14:13	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 14:13	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 14:13	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 14:13	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 14:13	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 14:13	10061-02-6	
4-Bromofluorobenzene (S)	103	%	69-130		1		02/01/11 14:13	460-00-4	
Dibromofluoromethane (S)	96	%	70-134		1		02/01/11 14:13	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		02/01/11 14:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-114 **Lab ID: 4042070009** Collected: 01/25/11 10:20 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 14:36	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 14:36	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 14:36	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 14:36	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 14:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 14:36	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 14:36	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 14:36	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 14:36	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 14:36	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 14:36	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 14:36	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 14:36	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 14:36	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 14:36	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 14:36	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 14:36	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 14:36	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 14:36	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 14:36	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 14:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 14:36	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 14:36	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 14:36	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 14:36	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 14:36	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 14:36	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 14:36	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 14:36	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 14:36	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 14:36	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 14:36	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 14:36	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 14:36	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 14:36	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 14:36	75-69-4	
Vinyl chloride	**4.8**	ug/L	1.0	0.18	1		02/01/11 14:36	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 14:36	1330-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.83	1		02/01/11 14:36	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 14:36	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 14:36	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 14:36	10061-02-6	
4-Bromofluorobenzene (S)	104	%	69-130		1		02/01/11 14:36	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		02/01/11 14:36	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		02/01/11 14:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-114 DUP **Lab ID: 4042070010** Collected: 01/25/11 10:25 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 15:00	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 15:00	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 15:00	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 15:00	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 15:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 15:00	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 15:00	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 15:00	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 15:00	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 15:00	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 15:00	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 15:00	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 15:00	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 15:00	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 15:00	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 15:00	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 15:00	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 15:00	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 15:00	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 15:00	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 15:00	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 15:00	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 15:00	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 15:00	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 15:00	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 15:00	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 15:00	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 15:00	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 15:00	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 15:00	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 15:00	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 15:00	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 15:00	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 15:00	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 15:00	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 15:00	75-69-4	
Vinyl chloride	**5.3**	ug/L	1.0	0.18	1		02/01/11 15:00	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 15:00	1330-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.83	1		02/01/11 15:00	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 15:00	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 15:00	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 15:00	10061-02-6	
4-Bromofluorobenzene (S)	105	%	69-130		1		02/01/11 15:00	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		02/01/11 15:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		02/01/11 15:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-115 **Lab ID: 4042070011** Collected: 01/25/11 11:10 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 15:24	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 15:24	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 15:24	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 15:24	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 15:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 15:24	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 15:24	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 15:24	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 15:24	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 15:24	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 15:24	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 15:24	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 15:24	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 15:24	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 15:24	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 15:24	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 15:24	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 15:24	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 15:24	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 15:24	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 15:24	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 15:24	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 15:24	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 15:24	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 15:24	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 15:24	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 15:24	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 15:24	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 15:24	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 15:24	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 15:24	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 15:24	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 15:24	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 15:24	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 15:24	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 15:24	75-69-4	
Vinyl chloride	**0.86J**	ug/L	1.0	0.18	1		02/01/11 15:24	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 15:24	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 15:24	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 15:24	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 15:24	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 15:24	10061-02-6	
4-Bromofluorobenzene (S)	106	%	69-130		1		02/01/11 15:24	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		02/01/11 15:24	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		02/01/11 15:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-113A **Lab ID: 4042070012** Collected: 01/25/11 12:40 Received: 01/29/11 08:20 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-113B **Lab ID: 4042070013** Collected: 01/25/11 12:55 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 16:12	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 16:12	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 16:12	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 16:12	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:12	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:12	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 16:12	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:12	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 16:12	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 16:12	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 16:12	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 16:12	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:12	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:12	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 16:12	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 16:12	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 16:12	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:12	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:12	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 16:12	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 16:12	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 16:12	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 16:12	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 16:12	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 16:12	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 16:12	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 16:12	1634-04-4	
Methylene Chloride	**1.6**	ug/L	1.0	0.43	1		02/01/11 16:12	75-09-2	Z3
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 16:12	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 16:12	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 16:12	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:12	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 16:12	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 16:12	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 16:12	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 16:12	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 16:12	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:12	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 16:12	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 16:12	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 16:12	10061-02-6	
4-Bromofluorobenzene (S)	102	%	69-130		1		02/01/11 16:12	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		02/01/11 16:12	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		02/01/11 16:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103D **Lab ID: 4042070014** Collected: 01/25/11 14:15 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 11:04	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 11:04	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 11:04	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 11:04	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:04	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:04	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 11:04	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:04	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 11:04	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 11:04	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 11:04	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 11:04	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:04	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 11:04	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 11:04	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 11:04	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 11:04	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 11:04	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 11:04	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 11:04	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 11:04	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 11:04	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 11:04	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 11:04	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 11:04	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 11:04	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 11:04	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 11:04	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 11:04	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 11:04	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 11:04	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 11:04	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 11:04	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 11:04	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 11:04	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 11:04	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 11:04	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 11:04	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 11:04	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 11:04	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 11:04	10061-02-6	
4-Bromofluorobenzene (S)	100	%	69-130		1		02/01/11 11:04	460-00-4	HS
Dibromofluoromethane (S)	102	%	70-134		1		02/01/11 11:04	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		02/01/11 11:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103D MS **Lab ID: 4042070015** Collected: 01/25/11 14:20 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**57.4**	ug/L	1.0	0.90	1		02/01/11 10:16	71-55-6	
1,1,2-Trichloroethane	**42.6**	ug/L	1.0	0.42	1		02/01/11 10:16	79-00-5	
1,1-Dichloroethane	**46.2**	ug/L	1.0	0.75	1		02/01/11 10:16	75-34-3	
1,1-Dichloroethene	**50.1**	ug/L	1.0	0.57	1		02/01/11 10:16	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 10:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 10:16	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 10:16	95-50-1	
1,2-Dichloroethane	**51.9**	ug/L	1.0	0.36	1		02/01/11 10:16	107-06-2	
1,2-Dichloropropane	**49.0**	ug/L	1.0	0.49	1		02/01/11 10:16	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 10:16	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 10:16	106-46-7	
2-Butanone (MEK)	**40.5**	ug/L	20.0	4.3	1		02/01/11 10:16	78-93-3	
Acetone	**42.3**	ug/L	20.0	5.0	1		02/01/11 10:16	67-64-1	
Benzene	**46.7**	ug/L	1.0	0.41	1		02/01/11 10:16	71-43-2	
Bromodichloromethane	**53.7**	ug/L	1.0	0.56	1		02/01/11 10:16	75-27-4	
Bromoform	**44.2**	ug/L	1.0	0.94	1		02/01/11 10:16	75-25-2	
Bromomethane	**54.6**	ug/L	1.0	0.91	1		02/01/11 10:16	74-83-9	
Carbon disulfide	**47.9**	ug/L	1.0	0.66	1		02/01/11 10:16	75-15-0	
Carbon tetrachloride	**67.9**	ug/L	1.0	0.49	1		02/01/11 10:16	56-23-5	
Chlorobenzene	**50.9**	ug/L	1.0	0.41	1		02/01/11 10:16	108-90-7	
Chloroethane	**53.1**	ug/L	1.0	0.97	1		02/01/11 10:16	75-00-3	
Chloroform	**49.6**	ug/L	5.0	1.3	1		02/01/11 10:16	67-66-3	
Chloromethane	**56.4**	ug/L	1.0	0.24	1		02/01/11 10:16	74-87-3	
Dibromochloromethane	**50.0**	ug/L	1.0	0.81	1		02/01/11 10:16	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 10:16	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 10:16	75-71-8	
Ethylbenzene	**47.8**	ug/L	1.0	0.54	1		02/01/11 10:16	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 10:16	1634-04-4	
Methylene Chloride	**48.8**	ug/L	1.0	0.43	1		02/01/11 10:16	75-09-2	Z3
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 10:16	91-20-3	
Styrene	**40.9**	ug/L	1.0	0.86	1		02/01/11 10:16	100-42-5	
Tetrachloroethene	**49.9**	ug/L	1.0	0.45	1		02/01/11 10:16	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 10:16	109-99-9	
Toluene	**48.4**	ug/L	1.0	0.67	1		02/01/11 10:16	108-88-3	
Trichloroethene	**51.6**	ug/L	1.0	0.48	1		02/01/11 10:16	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 10:16	75-69-4	
Vinyl chloride	**49.4**	ug/L	1.0	0.18	1		02/01/11 10:16	75-01-4	
Xylene (Total)	**149**	ug/L	3.0	2.6	1		02/01/11 10:16	1330-20-7	
cis-1,2-Dichloroethene	**47.1**	ug/L	1.0	0.83	1		02/01/11 10:16	156-59-2	
cis-1,3-Dichloropropene	**52.6**	ug/L	1.0	0.20	1		02/01/11 10:16	10061-01-5	
trans-1,2-Dichloroethene	**48.5**	ug/L	1.0	0.89	1		02/01/11 10:16	156-60-5	
trans-1,3-Dichloropropene	**47.0**	ug/L	1.0	0.19	1		02/01/11 10:16	10061-02-6	
4-Bromofluorobenzene (S)	104	%	69-130		1		02/01/11 10:16	460-00-4	
Dibromofluoromethane (S)	96	%	70-134		1		02/01/11 10:16	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		02/01/11 10:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103D MSD **Lab ID: 4042070016** Collected: 01/25/11 14:25 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**59.2**	ug/L	1.0	0.90	1		02/01/11 10:40	71-55-6	
1,1,2-Trichloroethane	**41.3**	ug/L	1.0	0.42	1		02/01/11 10:40	79-00-5	
1,1-Dichloroethane	**49.4**	ug/L	1.0	0.75	1		02/01/11 10:40	75-34-3	
1,1-Dichloroethene	**52.0**	ug/L	1.0	0.57	1		02/01/11 10:40	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 10:40	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 10:40	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 10:40	95-50-1	
1,2-Dichloroethane	**52.5**	ug/L	1.0	0.36	1		02/01/11 10:40	107-06-2	
1,2-Dichloropropane	**45.4**	ug/L	1.0	0.49	1		02/01/11 10:40	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 10:40	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 10:40	106-46-7	
2-Butanone (MEK)	**40.4**	ug/L	20.0	4.3	1		02/01/11 10:40	78-93-3	
Acetone	**47.5**	ug/L	20.0	5.0	1		02/01/11 10:40	67-64-1	
Benzene	**49.8**	ug/L	1.0	0.41	1		02/01/11 10:40	71-43-2	
Bromodichloromethane	**51.8**	ug/L	1.0	0.56	1		02/01/11 10:40	75-27-4	
Bromoform	**41.8**	ug/L	1.0	0.94	1		02/01/11 10:40	75-25-2	
Bromomethane	**58.9**	ug/L	1.0	0.91	1		02/01/11 10:40	74-83-9	
Carbon disulfide	**48.8**	ug/L	1.0	0.66	1		02/01/11 10:40	75-15-0	
Carbon tetrachloride	**68.6**	ug/L	1.0	0.49	1		02/01/11 10:40	56-23-5	
Chlorobenzene	**49.2**	ug/L	1.0	0.41	1		02/01/11 10:40	108-90-7	
Chloroethane	**56.3**	ug/L	1.0	0.97	1		02/01/11 10:40	75-00-3	
Chloroform	**50.2**	ug/L	5.0	1.3	1		02/01/11 10:40	67-66-3	
Chloromethane	**57.5**	ug/L	1.0	0.24	1		02/01/11 10:40	74-87-3	
Dibromochloromethane	**47.7**	ug/L	1.0	0.81	1		02/01/11 10:40	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 10:40	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 10:40	75-71-8	
Ethylbenzene	**47.3**	ug/L	1.0	0.54	1		02/01/11 10:40	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 10:40	1634-04-4	
Methylene Chloride	**51.2**	ug/L	1.0	0.43	1		02/01/11 10:40	75-09-2	Z3
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 10:40	91-20-3	
Styrene	**37.3**	ug/L	1.0	0.86	1		02/01/11 10:40	100-42-5	
Tetrachloroethene	**49.1**	ug/L	1.0	0.45	1		02/01/11 10:40	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 10:40	109-99-9	
Toluene	**48.0**	ug/L	1.0	0.67	1		02/01/11 10:40	108-88-3	
Trichloroethene	**50.4**	ug/L	1.0	0.48	1		02/01/11 10:40	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 10:40	75-69-4	
Vinyl chloride	**49.1**	ug/L	1.0	0.18	1		02/01/11 10:40	75-01-4	
Xylene (Total)	**144**	ug/L	3.0	2.6	1		02/01/11 10:40	1330-20-7	
cis-1,2-Dichloroethene	**48.9**	ug/L	1.0	0.83	1		02/01/11 10:40	156-59-2	
cis-1,3-Dichloropropene	**49.2**	ug/L	1.0	0.20	1		02/01/11 10:40	10061-01-5	
trans-1,2-Dichloroethene	**50.9**	ug/L	1.0	0.89	1		02/01/11 10:40	156-60-5	
trans-1,3-Dichloropropene	**45.2**	ug/L	1.0	0.19	1		02/01/11 10:40	10061-02-6	
4-Bromofluorobenzene (S)	98	%	69-130		1		02/01/11 10:40	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		02/01/11 10:40	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		02/01/11 10:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103 **Lab ID: 4042070017** Collected: 01/25/11 14:40 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/02/11 09:45	71-55-6	L3,M1
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/02/11 09:45	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/02/11 09:45	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/02/11 09:45	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/02/11 09:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/02/11 09:45	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/02/11 09:45	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/02/11 09:45	107-06-2	L3,M0
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/02/11 09:45	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/02/11 09:45	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/02/11 09:45	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/02/11 09:45	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/02/11 09:45	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/02/11 09:45	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/02/11 09:45	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/02/11 09:45	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/02/11 09:45	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/02/11 09:45	75-15-0	L3,M0
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/02/11 09:45	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/02/11 09:45	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/02/11 09:45	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/02/11 09:45	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/02/11 09:45	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/02/11 09:45	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/02/11 09:45	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/02/11 09:45	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/02/11 09:45	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/02/11 09:45	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/02/11 09:45	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/02/11 09:45	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/02/11 09:45	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/02/11 09:45	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/02/11 09:45	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/02/11 09:45	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/02/11 09:45	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/02/11 09:45	75-69-4	
Vinyl chloride	**0.34J**	ug/L	1.0	0.18	1		02/02/11 09:45	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/02/11 09:45	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/02/11 09:45	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/02/11 09:45	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/02/11 09:45	156-60-5	L3,M1
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/02/11 09:45	10061-02-6	
4-Bromofluorobenzene (S)	83	%	69-130		1		02/02/11 09:45	460-00-4	
Dibromofluoromethane (S)	98	%	70-134		1		02/02/11 09:45	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		02/02/11 09:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103 MS **Lab ID: 4042070018** Collected: 01/25/11 14:45 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**66.7**	ug/L	1.0	0.90	1		02/02/11 09:00	71-55-6	L1
1,1,2-Trichloroethane	**55.5**	ug/L	1.0	0.42	1		02/02/11 09:00	79-00-5	
1,1-Dichloroethane	**63.1**	ug/L	1.0	0.75	1		02/02/11 09:00	75-34-3	
1,1-Dichloroethene	**64.2**	ug/L	1.0	0.57	1		02/02/11 09:00	75-35-4	
1,2-Dichloroethane	**68.7**	ug/L	1.0	0.36	1		02/02/11 09:00	107-06-2	L1
1,2-Dichloropropane	**59.2**	ug/L	1.0	0.49	1		02/02/11 09:00	78-87-5	
2-Butanone (MEK)	**47.0**	ug/L	20.0	4.3	1		02/02/11 09:00	78-93-3	
Acetone	**52.8**	ug/L	20.0	5.0	1		02/02/11 09:00	67-64-1	
Benzene	**59.3**	ug/L	1.0	0.41	1		02/02/11 09:00	71-43-2	
Bromodichloromethane	**64.4**	ug/L	1.0	0.56	1		02/02/11 09:00	75-27-4	
Bromoform	**48.0**	ug/L	1.0	0.94	1		02/02/11 09:00	75-25-2	
Bromomethane	**59.8**	ug/L	1.0	0.91	1		02/02/11 09:00	74-83-9	
Carbon disulfide	**68.4**	ug/L	1.0	0.66	1		02/02/11 09:00	75-15-0	L1
Carbon tetrachloride	**66.5**	ug/L	1.0	0.49	1		02/02/11 09:00	56-23-5	
Chlorobenzene	**54.2**	ug/L	1.0	0.41	1		02/02/11 09:00	108-90-7	
Chloroethane	**65.1**	ug/L	1.0	0.97	1		02/02/11 09:00	75-00-3	
Chloroform	**61.0**	ug/L	5.0	1.3	1		02/02/11 09:00	67-66-3	
Chloromethane	**50.0**	ug/L	1.0	0.24	1		02/02/11 09:00	74-87-3	
Dibromochloromethane	**55.7**	ug/L	1.0	0.81	1		02/02/11 09:00	124-48-1	
Ethylbenzene	**59.4**	ug/L	1.0	0.54	1		02/02/11 09:00	100-41-4	
Methylene Chloride	**62.5**	ug/L	1.0	0.43	1		02/02/11 09:00	75-09-2	Z3
Styrene	**43.5**	ug/L	1.0	0.86	1		02/02/11 09:00	100-42-5	
Tetrachloroethene	**55.9**	ug/L	1.0	0.45	1		02/02/11 09:00	127-18-4	
Toluene	**57.9**	ug/L	1.0	0.67	1		02/02/11 09:00	108-88-3	
Trichloroethene	**60.2**	ug/L	1.0	0.48	1		02/02/11 09:00	79-01-6	
Vinyl chloride	**53.0**	ug/L	1.0	0.18	1		02/02/11 09:00	75-01-4	
Xylene (Total)	**160**	ug/L	3.0	2.6	1		02/02/11 09:00	1330-20-7	
cis-1,2-Dichloroethene	**53.4**	ug/L	1.0	0.83	1		02/02/11 09:00	156-59-2	
cis-1,3-Dichloropropene	**52.3**	ug/L	1.0	0.20	1		02/02/11 09:00	10061-01-5	
trans-1,2-Dichloroethene	**66.0**	ug/L	1.0	0.89	1		02/02/11 09:00	156-60-5	L1
trans-1,3-Dichloropropene	**50.0**	ug/L	1.0	0.19	1		02/02/11 09:00	10061-02-6	
4-Bromofluorobenzene (S)	91	%	69-130		1		02/02/11 09:00	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		02/02/11 09:00	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		02/02/11 09:00	2037-26-5	

Sample: P-103 MSD **Lab ID: 4042070019** Collected: 01/25/11 14:50 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**66.3**	ug/L	1.0	0.90	1		02/02/11 09:23	71-55-6	L1
1,1,2-Trichloroethane	**58.0**	ug/L	1.0	0.42	1		02/02/11 09:23	79-00-5	
1,1-Dichloroethane	**63.0**	ug/L	1.0	0.75	1		02/02/11 09:23	75-34-3	
1,1-Dichloroethene	**62.9**	ug/L	1.0	0.57	1		02/02/11 09:23	75-35-4	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-103 MSD **Lab ID: 4042070019** Collected: 01/25/11 14:50 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	**67.4**	ug/L	1.0	0.36	1		02/02/11 09:23	107-06-2	L1
1,2-Dichloropropane	**58.3**	ug/L	1.0	0.49	1		02/02/11 09:23	78-87-5	
2-Butanone (MEK)	**49.9**	ug/L	20.0	4.3	1		02/02/11 09:23	78-93-3	
Acetone	**55.5**	ug/L	20.0	5.0	1		02/02/11 09:23	67-64-1	
Benzene	**58.6**	ug/L	1.0	0.41	1		02/02/11 09:23	71-43-2	
Bromodichloromethane	**62.8**	ug/L	1.0	0.56	1		02/02/11 09:23	75-27-4	
Bromoform	**45.5**	ug/L	1.0	0.94	1		02/02/11 09:23	75-25-2	
Bromomethane	**58.1**	ug/L	1.0	0.91	1		02/02/11 09:23	74-83-9	
Carbon disulfide	**54.3**	ug/L	1.0	0.66	1		02/02/11 09:23	75-15-0	L1
Carbon tetrachloride	**65.4**	ug/L	1.0	0.49	1		02/02/11 09:23	56-23-5	
Chlorobenzene	**55.1**	ug/L	1.0	0.41	1		02/02/11 09:23	108-90-7	
Chloroethane	**65.5**	ug/L	1.0	0.97	1		02/02/11 09:23	75-00-3	
Chloroform	**61.3**	ug/L	5.0	1.3	1		02/02/11 09:23	67-66-3	
Chloromethane	**49.5**	ug/L	1.0	0.24	1		02/02/11 09:23	74-87-3	
Dibromochloromethane	**54.5**	ug/L	1.0	0.81	1		02/02/11 09:23	124-48-1	
Ethylbenzene	**58.5**	ug/L	1.0	0.54	1		02/02/11 09:23	100-41-4	
Methylene Chloride	**62.2**	ug/L	1.0	0.43	1		02/02/11 09:23	75-09-2	Z3
Styrene	**29.9**	ug/L	1.0	0.86	1		02/02/11 09:23	100-42-5	
Tetrachloroethene	**55.7**	ug/L	1.0	0.45	1		02/02/11 09:23	127-18-4	
Toluene	**57.3**	ug/L	1.0	0.67	1		02/02/11 09:23	108-88-3	
Trichloroethene	**58.9**	ug/L	1.0	0.48	1		02/02/11 09:23	79-01-6	
Vinyl chloride	**52.3**	ug/L	1.0	0.18	1		02/02/11 09:23	75-01-4	
Xylene (Total)	**148**	ug/L	3.0	2.6	1		02/02/11 09:23	1330-20-7	
cis-1,2-Dichloroethene	**53.3**	ug/L	1.0	0.83	1		02/02/11 09:23	156-59-2	
cis-1,3-Dichloropropene	**50.4**	ug/L	1.0	0.20	1		02/02/11 09:23	10061-01-5	
trans-1,2-Dichloroethene	**63.7**	ug/L	1.0	0.89	1		02/02/11 09:23	156-60-5	L1
trans-1,3-Dichloropropene	**49.1**	ug/L	1.0	0.19	1		02/02/11 09:23	10061-02-6	
4-Bromofluorobenzene (S)	92	%	69-130		1		02/02/11 09:23	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		02/02/11 09:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		02/02/11 09:23	2037-26-5	

Sample: MW-111 **Lab ID: 4042070020** Collected: 01/26/11 13:45 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 16:35	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 16:35	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 16:35	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 16:35	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:35	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:35	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 16:35	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-111 **Lab ID: 4042070020** Collected: 01/26/11 13:45 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:35	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 16:35	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 16:35	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 16:35	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 16:35	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:35	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:35	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 16:35	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 16:35	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 16:35	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:35	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:35	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 16:35	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 16:35	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 16:35	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 16:35	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 16:35	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 16:35	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 16:35	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 16:35	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 16:35	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 16:35	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 16:35	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 16:35	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:35	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 16:35	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 16:35	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 16:35	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 16:35	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 16:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:35	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 16:35	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 16:35	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 16:35	10061-02-6	
4-Bromofluorobenzene (S)	100	%	69-130		1		02/01/11 16:35	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		02/01/11 16:35	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		02/01/11 16:35	2037-26-5	

Sample: MW-107 **Lab ID: 4042070021** Collected: 01/26/11 14:05 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 16:59	71-55-6	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-107 **Lab ID: 4042070021** Collected: 01/26/11 14:05 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 16:59	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 16:59	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 16:59	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:59	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:59	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 16:59	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:59	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 16:59	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 16:59	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 16:59	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 16:59	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:59	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 16:59	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 16:59	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 16:59	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 16:59	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 16:59	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 16:59	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 16:59	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 16:59	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 16:59	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 16:59	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 16:59	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 16:59	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 16:59	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 16:59	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 16:59	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 16:59	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 16:59	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 16:59	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 16:59	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 16:59	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 16:59	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 16:59	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 16:59	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 16:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 16:59	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 16:59	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 16:59	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 16:59	10061-02-6	
4-Bromofluorobenzene (S)	101	%	69-130		1		02/01/11 16:59	460-00-4	
Dibromofluoromethane (S)	100	%	70-134		1		02/01/11 16:59	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		02/01/11 16:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-103 **Lab ID: 4042070022** Collected: 01/26/11 14:25 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 17:22	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 17:22	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 17:22	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 17:22	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 17:22	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 17:22	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 17:22	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 17:22	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 17:22	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 17:22	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 17:22	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 17:22	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 17:22	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 17:22	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 17:22	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 17:22	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 17:22	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 17:22	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 17:22	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 17:22	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 17:22	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 17:22	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 17:22	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 17:22	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 17:22	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 17:22	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 17:22	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 17:22	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 17:22	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 17:22	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 17:22	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 17:22	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 17:22	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 17:22	108-88-3	
Trichloroethene	**2.7**	ug/L	1.0	0.48	1		02/01/11 17:22	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 17:22	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 17:22	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 17:22	1330-20-7	
cis-1,2-Dichloroethene	**2.9**	ug/L	1.0	0.83	1		02/01/11 17:22	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 17:22	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 17:22	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 17:22	10061-02-6	
4-Bromofluorobenzene (S)	107	%	69-130		1		02/01/11 17:22	460-00-4	
Dibromofluoromethane (S)	103	%	70-134		1		02/01/11 17:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		02/01/11 17:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: MW-101 **Lab ID: 4042070023** Collected: 01/26/11 14:45 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 17:46	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 17:46	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 17:46	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 17:46	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 17:46	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 17:46	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 17:46	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 17:46	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 17:46	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 17:46	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 17:46	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 17:46	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 17:46	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 17:46	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 17:46	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 17:46	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 17:46	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 17:46	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 17:46	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 17:46	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 17:46	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 17:46	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 17:46	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 17:46	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 17:46	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 17:46	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 17:46	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 17:46	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 17:46	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 17:46	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 17:46	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 17:46	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 17:46	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 17:46	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 17:46	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 17:46	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 17:46	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 17:46	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 17:46	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 17:46	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 17:46	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 17:46	10061-02-6	
4-Bromofluorobenzene (S)	105	%	69-130		1		02/01/11 17:46	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		02/01/11 17:46	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		02/01/11 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: P-101 **Lab ID: 4042070024** Collected: 01/26/11 14:50 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/01/11 18:09	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/01/11 18:09	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/01/11 18:09	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/01/11 18:09	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/01/11 18:09	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/01/11 18:09	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 18:09	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/01/11 18:09	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/01/11 18:09	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/01/11 18:09	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/01/11 18:09	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/01/11 18:09	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/01/11 18:09	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 18:09	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/01/11 18:09	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/01/11 18:09	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/01/11 18:09	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/01/11 18:09	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/01/11 18:09	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/01/11 18:09	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/01/11 18:09	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/01/11 18:09	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/01/11 18:09	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/01/11 18:09	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/01/11 18:09	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/01/11 18:09	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/01/11 18:09	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/01/11 18:09	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/01/11 18:09	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/01/11 18:09	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/01/11 18:09	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/01/11 18:09	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/01/11 18:09	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/01/11 18:09	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/01/11 18:09	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/01/11 18:09	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/01/11 18:09	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/01/11 18:09	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/01/11 18:09	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/01/11 18:09	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/01/11 18:09	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/01/11 18:09	10061-02-6	
4-Bromofluorobenzene (S)	97	%	69-130		1		02/01/11 18:09	460-00-4	
Dibromofluoromethane (S)	98	%	70-134		1		02/01/11 18:09	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		02/01/11 18:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

Sample: TB-1 **Lab ID: 4042070025** Collected: 01/26/11 00:00 Received: 01/29/11 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		02/02/11 08:29	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		02/02/11 08:29	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		02/02/11 08:29	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		02/02/11 08:29	75-35-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		02/02/11 08:29	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		02/02/11 08:29	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		02/02/11 08:29	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		02/02/11 08:29	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		02/02/11 08:29	78-87-5	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		02/02/11 08:29	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		02/02/11 08:29	106-46-7	
2-Butanone (MEK)	**<4.3**	ug/L	20.0	4.3	1		02/02/11 08:29	78-93-3	
Acetone	**<5.0**	ug/L	20.0	5.0	1		02/02/11 08:29	67-64-1	
Benzene	**<0.41**	ug/L	1.0	0.41	1		02/02/11 08:29	71-43-2	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		02/02/11 08:29	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		02/02/11 08:29	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		02/02/11 08:29	74-83-9	
Carbon disulfide	**<0.66**	ug/L	1.0	0.66	1		02/02/11 08:29	75-15-0	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		02/02/11 08:29	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		02/02/11 08:29	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		02/02/11 08:29	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/02/11 08:29	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		02/02/11 08:29	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		02/02/11 08:29	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		02/02/11 08:29	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		02/02/11 08:29	75-71-8	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		02/02/11 08:29	100-41-4	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		02/02/11 08:29	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		02/02/11 08:29	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		02/02/11 08:29	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		02/02/11 08:29	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		02/02/11 08:29	127-18-4	
Tetrahydrofuran	**<1.7**	ug/L	5.0	1.7	1		02/02/11 08:29	109-99-9	
Toluene	**<0.67**	ug/L	1.0	0.67	1		02/02/11 08:29	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		02/02/11 08:29	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		02/02/11 08:29	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		02/02/11 08:29	75-01-4	
Xylene (Total)	**<2.6**	ug/L	3.0	2.6	1		02/02/11 08:29	1330-20-7	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		02/02/11 08:29	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		02/02/11 08:29	10061-01-5	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		02/02/11 08:29	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		02/02/11 08:29	10061-02-6	
4-Bromofluorobenzene (S)	108	%	69-130		1		02/02/11 08:29	460-00-4	
Dibromofluoromethane (S)	101	%	70-134		1		02/02/11 08:29	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		02/02/11 08:29	2037-26-5	

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QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

QC Batch: MSV/10297 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4042070001, 4042070002, 4042070003, 4042070004, 4042070005, 4042070006, 4042070007, 4042070008, 4042070009, 4042070010, 4042070011, 4042070012, 4042070013, 4042070014, 4042070015, 4042070016, 4042070020, 4042070021, 4042070022, 4042070023, 4042070024, 4042070025

METHOD BLANK: 410378 Matrix: Water
Associated Lab Samples: 4042070001, 4042070002, 4042070003, 4042070004, 4042070005, 4042070006, 4042070007, 4042070008, 4042070009, 4042070010, 4042070011, 4042070012, 4042070013, 4042070014, 4042070015, 4042070016, 4042070020, 4042070021, 4042070022, 4042070023, 4042070024, 4042070025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	02/01/11 08:18	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	02/01/11 08:18	
1,1-Dichloroethane	ug/L	<0.75	1.0	02/01/11 08:18	
1,1-Dichloroethene	ug/L	<0.57	1.0	02/01/11 08:18	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	02/01/11 08:18	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	02/01/11 08:18	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	02/01/11 08:18	
1,2-Dichloroethane	ug/L	<0.36	1.0	02/01/11 08:18	
1,2-Dichloropropane	ug/L	<0.49	1.0	02/01/11 08:18	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	02/01/11 08:18	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	02/01/11 08:18	
2-Butanone (MEK)	ug/L	<4.3	20.0	02/01/11 08:18	
Acetone	ug/L	<5.0	20.0	02/01/11 08:18	
Benzene	ug/L	<0.41	1.0	02/01/11 08:18	
Bromodichloromethane	ug/L	<0.56	1.0	02/01/11 08:18	
Bromoform	ug/L	<0.94	1.0	02/01/11 08:18	
Bromomethane	ug/L	<0.91	1.0	02/01/11 08:18	
Carbon disulfide	ug/L	<0.66	1.0	02/01/11 08:18	
Carbon tetrachloride	ug/L	<0.49	1.0	02/01/11 08:18	
Chlorobenzene	ug/L	<0.41	1.0	02/01/11 08:18	
Chloroethane	ug/L	<0.97	1.0	02/01/11 08:18	
Chloroform	ug/L	<1.3	5.0	02/01/11 08:18	
Chloromethane	ug/L	<0.24	1.0	02/01/11 08:18	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	02/01/11 08:18	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	02/01/11 08:18	
Dibromochloromethane	ug/L	<0.81	1.0	02/01/11 08:18	
Dibromomethane	ug/L	<0.60	1.0	02/01/11 08:18	
Dichlorodifluoromethane	ug/L	<0.99	1.0	02/01/11 08:18	
Ethylbenzene	ug/L	<0.54	1.0	02/01/11 08:18	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	02/01/11 08:18	
Methylene Chloride	ug/L	<0.43	1.0	02/01/11 08:18	
Naphthalene	ug/L	<0.89	5.0	02/01/11 08:18	
Styrene	ug/L	<0.86	1.0	02/01/11 08:18	
Tetrachloroethene	ug/L	<0.45	1.0	02/01/11 08:18	
Tetrahydrofuran	ug/L	<1.7	5.0	02/01/11 08:18	
Toluene	ug/L	<0.67	1.0	02/01/11 08:18	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	02/01/11 08:18	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	02/01/11 08:18	
Trichloroethene	ug/L	<0.48	1.0	02/01/11 08:18	

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QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

METHOD BLANK: 410378 Matrix: Water

Associated Lab Samples: 4042070001, 4042070002, 4042070003, 4042070004, 4042070005, 4042070006, 4042070007, 4042070008, 4042070009, 4042070010, 4042070011, 4042070012, 4042070013, 4042070014, 4042070015, 4042070016, 4042070020, 4042070021, 4042070022, 4042070023, 4042070024, 4042070025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	<0.79	1.0	02/01/11 08:18	
Vinyl chloride	ug/L	<0.18	1.0	02/01/11 08:18	
Xylene (Total)	ug/L	<2.6	3.0	02/01/11 08:18	
4-Bromofluorobenzene (S)	%	97	69-130	02/01/11 08:18	
Dibromofluoromethane (S)	%	102	70-134	02/01/11 08:18	
Toluene-d8 (S)	%	95	70-130	02/01/11 08:18	

LABORATORY CONTROL SAMPLE & LCSD: 410379 410380

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	55.0	53.6	110	107	70-132	3	20	
1,1,2-Trichloroethane	ug/L	50	45.9	44.2	92	88	70-130	4	20	
1,1-Dichloroethane	ug/L	50	49.4	47.3	99	95	70-132	4	20	
1,1-Dichloroethene	ug/L	50	48.2	47.7	96	95	70-137	1	20	
1,2-Dichloroethane	ug/L	50	51.6	49.7	103	99	70-130	4	20	
1,2-Dichloropropane	ug/L	50	46.1	45.5	92	91	70-130	1	20	
2-Butanone (MEK)	ug/L	50	42.5	50.6	85	101	50-150	18	20	
Acetone	ug/L	50	35.5	41.4	71	83	50-150	15	20	
Benzene	ug/L	50	47.6	46.5	95	93	70-130	2	20	
Bromodichloromethane	ug/L	50	49.4	49.7	99	99	70-131	.6	20	
Bromoform	ug/L	50	49.3	45.7	99	91	70-130	7	20	
Bromomethane	ug/L	50	52.3	53.1	105	106	53-160	2	20	
Carbon disulfide	ug/L	50	52.5	48.7	105	97	70-130	8	20	
Carbon tetrachloride	ug/L	50	65.2	62.6	130	125	70-130	4	20	
Chlorobenzene	ug/L	50	48.4	47.3	97	95	70-130	2	20	
Chloroethane	ug/L	50	54.2	48.6	108	97	70-147	11	20	
Chloroform	ug/L	50	49.7	48.2	99	96	70-130	3	20	
Chloromethane	ug/L	50	57.0	53.9	114	108	41-137	5	20	
cis-1,2-Dichloroethene	ug/L	50	46.0	46.3	92	93	70-130	.6	20	
cis-1,3-Dichloropropene	ug/L	50	49.2	47.6	98	95	70-130	3	20	
Dibromochloromethane	ug/L	50	52.4	50.8	105	102	70-130	3	20	
Ethylbenzene	ug/L	50	49.5	45.9	99	92	70-130	8	20	
Methylene Chloride	ug/L	50	51.5	49.5	103	99	70-130	4	20	
Styrene	ug/L	50	47.6	45.5	95	91	70-130	4	20	
Tetrachloroethene	ug/L	50	50.4	46.7	101	93	70-130	8	20	
Toluene	ug/L	50	47.3	46.1	95	92	70-130	3	20	
trans-1,2-Dichloroethene	ug/L	50	49.4	46.1	99	92	70-130	7	20	
trans-1,3-Dichloropropene	ug/L	50	46.5	45.0	93	90	70-130	3	20	
Trichloroethene	ug/L	50	49.7	46.9	99	94	70-130	6	20	
Vinyl chloride	ug/L	50	50.8	45.3	102	91	47-131	11	20	
Xylene (Total)	ug/L	150	150	144	100	96	70-130	4	20	
4-Bromofluorobenzene (S)	%				101	101	69-130			
Dibromofluoromethane (S)	%				97	98	70-134			
Toluene-d8 (S)	%				93	94	70-130			

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QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 410381 410382

Parameter	Units	4042070014 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	57.4	59.2	115	118	70-132	3	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	42.6	41.3	85	83	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	46.2	49.4	92	99	70-132	7	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	50.1	52.0	100	104	70-137	4	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	51.9	52.5	104	105	70-133	1	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	49.0	45.4	98	91	70-130	8	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	40.5	40.4	81	81	50-150	.4	20	
Acetone	ug/L	<5.0	50	50	42.3	47.5	85	95	50-150	12	20	
Benzene	ug/L	<0.41	50	50	46.7	49.8	93	100	70-130	6	20	
Bromodichloromethane	ug/L	<0.56	50	50	53.7	51.8	107	104	70-131	4	20	
Bromoform	ug/L	<0.94	50	50	44.2	41.8	88	84	68-130	5	20	
Bromomethane	ug/L	<0.91	50	50	54.6	58.9	109	118	47-177	8	20	
Carbon disulfide	ug/L	<0.66	50	50	47.9	48.8	96	98	60-130	2	29	
Carbon tetrachloride	ug/L	<0.49	50	50	67.9	68.6	136	137	70-149	1	20	
Chlorobenzene	ug/L	<0.41	50	50	50.9	49.2	102	98	70-130	3	20	
Chloroethane	ug/L	<0.97	50	50	53.1	56.3	106	113	66-147	6	20	
Chloroform	ug/L	<1.3	50	50	49.6	50.2	99	100	70-130	1	20	
Chloromethane	ug/L	<0.24	50	50	56.4	57.5	113	115	41-137	2	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	47.1	48.9	94	98	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	52.6	49.2	105	98	70-130	7	20	
Dibromochloromethane	ug/L	<0.81	50	50	50.0	47.7	100	95	70-130	5	20	
Ethylbenzene	ug/L	<0.54	50	50	47.8	47.3	96	95	70-130	1	20	
Methylene Chloride	ug/L	<0.43	50	50	48.8	51.2	98	102	70-130	5	20	
Styrene	ug/L	<0.86	50	50	40.9	37.3	82	75	13-149	9	20	
Tetrachloroethene	ug/L	<0.45	50	50	49.9	49.1	100	98	70-130	2	20	
Toluene	ug/L	<0.67	50	50	48.4	48.0	97	96	70-130	.8	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	48.5	50.9	97	102	70-130	5	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	47.0	45.2	94	90	70-130	4	20	
Trichloroethene	ug/L	<0.48	50	50	51.6	50.4	103	101	70-130	2	20	
Vinyl chloride	ug/L	<0.18	50	50	49.4	49.1	99	98	46-131	.5	20	
Xylene (Total)	ug/L	<2.6	150	150	149	144	99	96	70-130	3	20	
4-Bromofluorobenzene (S)	%						104	98	69-130			
Dibromofluoromethane (S)	%						96	103	70-134			
Toluene-d8 (S)	%						94	92	70-130			

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QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

QC Batch: MSV/10310 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4042070017, 4042070018, 4042070019

METHOD BLANK: 410801 Matrix: Water
Associated Lab Samples: 4042070017, 4042070018, 4042070019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.90	1.0	02/02/11 07:48	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	02/02/11 07:48	
1,1-Dichloroethane	ug/L	<0.75	1.0	02/02/11 07:48	
1,1-Dichloroethene	ug/L	<0.57	1.0	02/02/11 07:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	02/02/11 07:48	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	02/02/11 07:48	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	02/02/11 07:48	
1,2-Dichloroethane	ug/L	<0.36	1.0	02/02/11 07:48	
1,2-Dichloropropane	ug/L	<0.49	1.0	02/02/11 07:48	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	02/02/11 07:48	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	02/02/11 07:48	
2-Butanone (MEK)	ug/L	<4.3	20.0	02/02/11 07:48	
Acetone	ug/L	<5.0	20.0	02/02/11 07:48	
Benzene	ug/L	<0.41	1.0	02/02/11 07:48	
Bromodichloromethane	ug/L	<0.56	1.0	02/02/11 07:48	
Bromoform	ug/L	<0.94	1.0	02/02/11 07:48	
Bromomethane	ug/L	<0.91	1.0	02/02/11 07:48	
Carbon disulfide	ug/L	<0.66	1.0	02/02/11 07:48	
Carbon tetrachloride	ug/L	<0.49	1.0	02/02/11 07:48	
Chlorobenzene	ug/L	<0.41	1.0	02/02/11 07:48	
Chloroethane	ug/L	<0.97	1.0	02/02/11 07:48	
Chloroform	ug/L	<1.3	5.0	02/02/11 07:48	
Chloromethane	ug/L	<0.24	1.0	02/02/11 07:48	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	02/02/11 07:48	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	02/02/11 07:48	
Dibromochloromethane	ug/L	<0.81	1.0	02/02/11 07:48	
Dibromomethane	ug/L	<0.60	1.0	02/02/11 07:48	
Dichlorodifluoromethane	ug/L	<0.99	1.0	02/02/11 07:48	
Ethylbenzene	ug/L	<0.54	1.0	02/02/11 07:48	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	02/02/11 07:48	
Methylene Chloride	ug/L	<0.43	1.0	02/02/11 07:48	
Naphthalene	ug/L	<0.89	5.0	02/02/11 07:48	
Styrene	ug/L	<0.86	1.0	02/02/11 07:48	
Tetrachloroethene	ug/L	<0.45	1.0	02/02/11 07:48	
Tetrahydrofuran	ug/L	<1.7	5.0	02/02/11 07:48	
Toluene	ug/L	<0.67	1.0	02/02/11 07:48	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	02/02/11 07:48	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	02/02/11 07:48	
Trichloroethene	ug/L	<0.48	1.0	02/02/11 07:48	
Trichlorofluoromethane	ug/L	<0.79	1.0	02/02/11 07:48	
Vinyl chloride	ug/L	<0.18	1.0	02/02/11 07:48	
Xylene (Total)	ug/L	<2.6	3.0	02/02/11 07:48	
4-Bromofluorobenzene (S)	%	83	69-130	02/02/11 07:48	

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QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

METHOD BLANK: 410801 Matrix: Water

Associated Lab Samples: 4042070017, 4042070018, 4042070019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromofluoromethane (S)	%	98	70-134	02/02/11 07:48	
Toluene-d8 (S)	%	97	70-130	02/02/11 07:48	

LABORATORY CONTROL SAMPLE & LCSD: 410802 410803

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	64.6	66.5	129	133	70-132	3	20	L0
1,1,2-Trichloroethane	ug/L	50	56.8	57.7	114	115	70-130	2	20	
1,1-Dichloroethane	ug/L	50	62.1	62.8	124	126	70-132	1	20	
1,1-Dichloroethene	ug/L	50	62.5	63.3	125	127	70-137	1	20	
1,2-Dichloroethane	ug/L	50	66.8	68.2	134	136	70-130	2	20	L0
1,2-Dichloropropane	ug/L	50	59.0	59.9	118	120	70-130	2	20	
2-Butanone (MEK)	ug/L	50	55.3	53.6	111	107	50-150	3	20	
Acetone	ug/L	50	64.8	70.5	130	141	50-150	8	20	
Benzene	ug/L	50	57.6	58.8	115	118	70-130	2	20	
Bromodichloromethane	ug/L	50	63.3	65.3	127	131	70-131	3	20	
Bromoform	ug/L	50	48.2	49.4	96	99	70-130	2	20	
Bromomethane	ug/L	50	56.7	58.6	113	117	53-160	3	20	
Carbon disulfide	ug/L	50	66.7	67.5	133	135	70-130	1	20	L0
Carbon tetrachloride	ug/L	50	64.4	64.9	129	130	70-130	.8	20	
Chlorobenzene	ug/L	50	53.6	54.9	107	110	70-130	2	20	
Chloroethane	ug/L	50	65.4	65.3	131	131	70-147	.2	20	
Chloroform	ug/L	50	61.2	61.4	122	123	70-130	.3	20	
Chloromethane	ug/L	50	51.0	51.7	102	103	41-137	1	20	
cis-1,2-Dichloroethene	ug/L	50	52.7	53.7	105	107	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	51.2	51.2	102	102	70-130	.07	20	
Dibromochloromethane	ug/L	50	56.8	58.4	114	117	70-130	3	20	
Ethylbenzene	ug/L	50	60.3	60.3	121	121	70-130	.04	20	
Methylene Chloride	ug/L	50	61.1	62.5	122	125	70-130	2	20	
Styrene	ug/L	50	54.6	54.5	109	109	70-130	.2	20	
Tetrachloroethene	ug/L	50	53.1	54.2	106	108	70-130	2	20	
Toluene	ug/L	50	58.1	58.9	116	118	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	63.1	65.3	126	131	70-130	3	20	L0
trans-1,3-Dichloropropene	ug/L	50	49.9	51.3	100	103	70-130	3	20	
Trichloroethene	ug/L	50	59.3	58.0	119	116	70-130	2	20	
Vinyl chloride	ug/L	50	52.0	51.9	104	104	47-131	.2	20	
Xylene (Total)	ug/L	150	167	169	111	113	70-130	2	20	
4-Bromofluorobenzene (S)	%				90	91	69-130			
Dibromofluoromethane (S)	%				99	101	70-134			
Toluene-d8 (S)	%				100	100	70-130			

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

QUALITY CONTROL DATA

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 410804 410805

Parameter	Units	4042070017 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	66.7	66.3	133	133	70-132	.5	20	M1
1,1,2-Trichloroethane	ug/L	<0.42	50	50	55.5	58.0	111	116	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	63.1	63.0	126	126	70-132	.3	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	64.2	62.9	128	126	70-137	2	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	68.7	67.4	137	135	70-133	2	20	M0
1,2-Dichloropropane	ug/L	<0.49	50	50	59.2	58.3	118	117	70-130	2	20	
2-Butanone (MEK)	ug/L	<4.3	50	50	47.0	49.9	94	100	50-150	6	20	
Acetone	ug/L	<5.0	50	50	52.8	55.5	106	111	50-150	5	20	
Benzene	ug/L	<0.41	50	50	59.3	58.6	119	117	70-130	1	20	
Bromodichloromethane	ug/L	<0.56	50	50	64.4	62.8	129	126	70-131	3	20	
Bromoform	ug/L	<0.94	50	50	48.0	45.5	96	91	68-130	5	20	
Bromomethane	ug/L	<0.91	50	50	59.8	58.1	120	116	47-177	3	20	
Carbon disulfide	ug/L	<0.66	50	50	68.4	54.3	137	109	60-130	23	29	M0
Carbon tetrachloride	ug/L	<0.49	50	50	66.5	65.4	133	131	70-149	2	20	
Chlorobenzene	ug/L	<0.41	50	50	54.2	55.1	108	110	70-130	2	20	
Chloroethane	ug/L	<0.97	50	50	65.1	65.5	130	131	66-147	.5	20	
Chloroform	ug/L	<1.3	50	50	61.0	61.3	122	123	70-130	.5	20	
Chloromethane	ug/L	<0.24	50	50	50.0	49.5	100	99	41-137	1	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	53.4	53.3	106	106	70-130	.2	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	52.3	50.4	105	101	70-130	4	20	
Dibromochloromethane	ug/L	<0.81	50	50	55.7	54.5	111	109	70-130	2	20	
Ethylbenzene	ug/L	<0.54	50	50	59.4	58.5	119	117	70-130	2	20	
Methylene Chloride	ug/L	<0.43	50	50	62.5	62.2	125	124	70-130	.4	20	
Styrene	ug/L	<0.86	50	50	43.5	29.9	87	60	13-149	37	20	D6
Tetrachloroethene	ug/L	<0.45	50	50	55.9	55.7	112	111	70-130	.2	20	
Toluene	ug/L	<0.67	50	50	57.9	57.3	116	115	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	66.0	63.7	132	127	70-130	4	20	M1
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	50.0	49.1	100	98	70-130	2	20	
Trichloroethene	ug/L	<0.48	50	50	60.2	58.9	120	118	70-130	2	20	
Vinyl chloride	ug/L	0.34J	50	50	53.0	52.3	105	104	46-131	1	20	
Xylene (Total)	ug/L	<2.6	150	150	160	148	107	98	70-130	8	20	
4-Bromofluorobenzene (S)	%						91	92	69-130			
Dibromofluoromethane (S)	%						102	101	70-134			
Toluene-d8 (S)	%						99	99	70-130			

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

QUALIFIERS

Project: 117-2202040.05 FF/NN LANDFILL
Pace Project No.: 4042070

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
Z3	Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

[redacted] ase [redacted] Cle [redacted]

[redacted] ER M[redacted]ST R[redacted]

[redacted] age [redacted] of [redacted]

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www.pacelabs.com

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

JBF

CHAIN OF CUSTODY

Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	117-2202040.05
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:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as Above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOCs 8260B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter				
001	P-107 D	1-24	12:40	GW	N	B	✓		3-40mL B	
002	P-107		13:25				✓			
003	MW-3B		14:25				✓			
004	MW-3A		15:35				✓			
005	P-111 D		16:05				✓			
006	P-111 D DUP		16:10				✓			
007	P-111	↓	16:30				✓			
008	P-116	1-25	0920				✓			
009	P-114		10:20				✓			
010	P-114 DUP		10:25				✓			
011	P-115		11:10				✓			
012	P-113 A		12:40				✓			
013	P-113 B	↓	12:55	↓			✓		↓	

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	1-28-11 0800	[signature]	1/28/11 1015
[signature]	1/28/11 1700		
CS Logistics	1-29-11 0800	[signature]	1-29-11 0830

PACE Project No.: 4042070

Receipt Temp = 2.7 °C

Sample Receipt pH OK / Adjusted: NA

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

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CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.05
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

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 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs 8260							
014	P-103 D	1-25	14:15	GW	N	B	✓							
015	P-103 D MS		14:20				✓							
016	P-103 D MSD		14:25				✓							
017	P-103		14:40				✓							
018	P-103 MS		14:45				✓							
019	P-103 MSD		14:50				✓							
020	MW-111	1-26	13:45				✓							
021	MW-107		14:05				✓							
022	MW-103		14:25				✓							
023	MW-101		14:45				✓							
024	P-101		14:50				✓							
025	TB-1	—	—	DI			✓							

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr Suite 100 Brookfield, WI 530
Invoice To Contact:	Same as Above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40mL B

2-40mL B

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ashley A. Weimer	1-28-11 0800	D. Fennil	1/28/11 1015
D. Fennil	1/28/11 1700		
FedEx	1-29-11 0820		
		Received By:	Date/Time:
		Received By:	Date/Time:
		Received By:	Date/Time:

PACE Project No.
4042070

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted NA

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

[redacted]7Jun[redacted] [redacted] — [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted]RIGIN[redacted]

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Geotrans Project # 4042070

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

Tracking #: _____

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

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

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

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

Cooler Temperature ROI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 1-29-10
Initials: BF

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

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☑No	☑N/A 1-29-10	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

JUM 1/31/11

Project Manager Review: _____ **Date:** 1/31/11 1/31/11

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

[redacted]ER[redacted]E S[redacted]CE, [redacted]
Analytical Laboratory and Environmental Services
400 North Lake Avenue · Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

[redacted] NA[redacted]TI[redacted]L [redacted]PO[redacted]

[redacted] WD[redacted]abo[redacted] ID [redacted]102[redacted]
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 02/08/11 Code: NNNN-S Page 1 of 1

Client: Pace Analytical Services Inc (GB)
Attn: Alee Her
1241 Bellevue Street
Green Bay, WI 54302 2156

NLS Project: 157859
NLS Customer: 94575
Fax: 920 469 8827 Phone: 800 736 2436

Project: 117-220204(.05 FF/NN Landfill 4042127

4042127001 NLS ID: 599358
COC: Pace Matrix: DW
Collected: 01/28/11 10:25 Received: 02/03/11

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					02/07/11	EPA 524.2	721026460

4042127002 NLS ID: 599359
COC: Pace Matrix: TB
Collected: 01/28/11 00:00 Received: 02/03/11

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					02/07/11	EPA 524.2	721026460

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

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

Reviewed by:

Authorized by:
R. T. Krueger
President

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn 3)

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157859**

Project Description: 117-2202040.05 FF/NN Landfill

Project Title: 4042127 **Template: SAT3PACE** **Printed: 02/08/2011 08:16**

Sample: 599358 4042127001 Collected: 01/28/11 Analyzed: 02/07/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.12	0.39		
Bromobenzene	ND	ug/L	1	0.21	0.70		
Bromochloromethane	ND	ug/L	1	0.17	0.56		
Bromodichloromethane	ND	ug/L	1	0.21	0.70		
Bromoform	ND	ug/L	1	0.33	1.1		
Bromomethane	ND	ug/L	1	0.26	0.87		
n-Butylbenzene	ND	ug/L	1	0.16	0.53		
sec-Butylbenzene	ND	ug/L	1	0.13	0.45		
tert-Butylbenzene	ND	ug/L	1	0.13	0.44		
Carbon Tetrachloride	ND	ug/L	1	0.19	0.63		
Chlorobenzene	ND	ug/L	1	0.13	0.42		
Chloroethane	ND	ug/L	1	1.0	3.4		
Chloroform	ND	ug/L	1	0.11	0.37		
Chloromethane	ND	ug/L	1	0.16	0.54		
2-Chlorotoluene	ND	ug/L	1	0.15	0.50		
4-Chlorotoluene	ND	ug/L	1	0.11	0.38		
Dibromochloromethane	ND	ug/L	1	0.27	0.91		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.44	1.5		
1,2-Dibromoethane	ND	ug/L	1	0.29	0.98		
Dibromomethane	ND	ug/L	1	0.24	0.79		
1,2-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,3-Dichlorobenzene	ND	ug/L	1	0.11	0.38		
1,4-Dichlorobenzene	ND	ug/L	1	0.12	0.39		
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.42		
1,1-Dichloroethane	ND	ug/L	1	0.14	0.55		
1,2-Dichloroethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethene	ND	ug/L	1	0.11	0.37		
cis-1,2-Dichloroethene	ND	ug/L	1	0.13	0.47		
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.38		
1,2-Dichloropropane	ND	ug/L	1	0.16	0.53		
1,3-Dichloropropane	ND	ug/L	1	0.26	0.86		
2,2-Dichloropropane	ND	ug/L	1	0.13	0.42		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.37		
cis-1,3-Dichloropropene	ND	ug/L	1	0.23	0.77		
trans-1,3-Dichloropropene	ND	ug/L	1	0.17	0.56		
Ethylbenzene	ND	ug/L	1	0.11	0.42		
Hexachlorobutadiene	ND	ug/L	1	0.17	0.57		
Isopropylbenzene	ND	ug/L	1	0.14	0.53		
p-Isopropyltoluene	ND	ug/L	1	0.12	0.38		
Methylene chloride	ND	ug/L	1	0.34	1.1		
Naphthalene	ND	ug/L	1	0.44	1.5		
n-Propylbenzene	ND	ug/L	1	0.13	0.42		
ortho-Xylene	ND	ug/L	1	0.11	0.38		
Styrene	ND	ug/L	1	0.14	0.46		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.18	0.61		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1		
Tetrachloroethene	ND	ug/L	1	0.10	0.34		
Toluene	ND	ug/L	1	0.11	0.43		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.45	1.5		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2		
1,1,1-Trichloroethane	ND	ug/L	1	0.12	0.43		
1,1,2-Trichloroethane	ND	ug/L	1	0.28	0.94		
Trichloroethene	ND	ug/L	1	0.12	0.41		

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157859**
Project Description: 117-2202040.05 FF/NN Landfill
Project Title: 4042127 **Template: SAT3PACE** **Printed: 02/08/2011 08:16**

Sample: 599358 4042127001 Collected: 01/28/11 Analyzed: 02/07/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.12	0.39		
1,2,3-Trichloropropane	ND	ug/L	1	0.46	1.5		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.10	0.37		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
Vinyl chloride	ND	ug/L	1	0.13	0.42		
meta,para-Xylene	ND	ug/L	1	0.21	0.71		
MTBE	ND	ug/L	1	0.32	1.1		
Acetone	ND	ug/L	1	3.6	12		
Carbon disulfide	ND	ug/L	1	0.14	0.54		
Vinyl Acetate	ND	ug/L	1	0.50	1.7		
Methyl ethyl ketone	ND	ug/L	1	0.88	2.9		
4-Methyl-2-Pentanone	ND	ug/L	1	0.82	2.7		
2-Hexanone	ND	ug/L	1	0.84	2.8		
4-Bromofluorobenzene (SURR)	102%						S
1,2-Dichlorobenzene - d4 (SURR)	108%						S

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

ANALYTICAL RESULTS: VOC's by EPA 524.2 - Water - Extended (Saturn 3)
Customer: Pace Analytical Services Inc (GB) **NLS Project: 157859**
Project Description: 117-2202040.05 FF/NN Landfill
Project Title: 4042127 **Template: SAT3PACE** **Printed: 02/08/2011 08:16**

Sample: 599359 4042127002 Collected: 01/28/11 Analyzed: 02/07/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.12	0.39	
Bromobenzene	ND	ug/L	1	0.21	0.70	
Bromochloromethane	ND	ug/L	1	0.17	0.56	
Bromodichloromethane	ND	ug/L	1	0.21	0.70	
Bromoform	ND	ug/L	1	0.33	1.1	
Bromomethane	ND	ug/L	1	0.26	0.87	
n-Butylbenzene	ND	ug/L	1	0.16	0.53	
sec-Butylbenzene	ND	ug/L	1	0.13	0.45	
tert-Butylbenzene	ND	ug/L	1	0.13	0.44	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.63	
Chlorobenzene	ND	ug/L	1	0.13	0.42	
Chloroethane	ND	ug/L	1	1.0	3.4	
Chloroform	ND	ug/L	1	0.11	0.37	
Chloromethane	ND	ug/L	1	0.16	0.54	
2-Chlorotoluene	ND	ug/L	1	0.15	0.50	
4-Chlorotoluene	ND	ug/L	1	0.11	0.38	
Dibromochloromethane	ND	ug/L	1	0.27	0.91	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.44	1.5	
1,2-Dibromoethane	ND	ug/L	1	0.29	0.98	
Dibromomethane	ND	ug/L	1	0.24	0.79	
1,2-Dichlorobenzene	ND	ug/L	1	0.17	0.58	
1,3-Dichlorobenzene	ND	ug/L	1	0.11	0.38	
1,4-Dichlorobenzene	ND	ug/L	1	0.12	0.39	
Dichlorodifluoromethane	ND	ug/L	1	0.11	0.42	
1,1-Dichloroethane	ND	ug/L	1	0.14	0.55	
1,2-Dichloroethane	ND	ug/L	1	0.16	0.54	
1,1-Dichloroethene	ND	ug/L	1	0.11	0.37	
cis-1,2-Dichloroethene	ND	ug/L	1	0.13	0.47	
trans-1,2-Dichloroethene	ND	ug/L	1	0.11	0.38	
1,2-Dichloropropane	ND	ug/L	1	0.16	0.53	
1,3-Dichloropropane	ND	ug/L	1	0.26	0.86	
2,2-Dichloropropane	ND	ug/L	1	0.13	0.42	
1,1-Dichloropropene	ND	ug/L	1	0.11	0.37	
cis-1,3-Dichloropropene	ND	ug/L	1	0.23	0.77	
trans-1,3-Dichloropropene	ND	ug/L	1	0.17	0.56	
Ethylbenzene	ND	ug/L	1	0.11	0.42	
Hexachlorobutadiene	ND	ug/L	1	0.17	0.57	
Isopropylbenzene	ND	ug/L	1	0.14	0.53	
p-Isopropyltoluene	ND	ug/L	1	0.12	0.38	
Methylene chloride	ND	ug/L	1	0.34	1.1	
Naphthalene	ND	ug/L	1	0.44	1.5	
n-Propylbenzene	ND	ug/L	1	0.13	0.42	
ortho-Xylene	ND	ug/L	1	0.11	0.38	
Styrene	ND	ug/L	1	0.14	0.46	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.18	0.61	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.33	1.1	
Tetrachloroethene	ND	ug/L	1	0.10	0.34	
Toluene	ND	ug/L	1	0.11	0.43	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.45	1.5	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.36	1.2	
1,1,1-Trichloroethane	ND	ug/L	1	0.12	0.43	
1,1,2-Trichloroethane	ND	ug/L	1	0.28	0.94	
Trichloroethene	ND	ug/L	1	0.12	0.41	

Customer: Pace Analytical Services Inc (GB) **NLS Project: 157859**
Project Description: 117-2202040.05 FF/NN Landfill
Project Title: 4042127 **Template: SAT3PACE** **Printed: 02/08/2011 08:16**

Sample: 599359 4042127002 Collected: 01/28/11 Analyzed: 02/07/11 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.12	0.39	
1,2,3-Trichloropropane	ND	ug/L	1	0.46	1.5	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.10	0.37	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49	
Vinyl chloride	ND	ug/L	1	0.13	0.42	
meta,para-Xylene	ND	ug/L	1	0.21	0.71	
MTBE	ND	ug/L	1	0.32	1.1	
Acetone	ND	ug/L	1	3.6	12	
Carbon disulfide	ND	ug/L	1	0.14	0.54	
Vinyl Acetate	ND	ug/L	1	0.50	1.7	
Methyl ethyl ketone	ND	ug/L	1	0.88	2.9	
4-Methyl-2-Pentanone	ND	ug/L	1	0.82	2.7	
2-Hexanone	ND	ug/L	1	0.84	2.8	
4-Bromofluorobenzene (SURR)	101%					S
1,2-Dichlorobenzene - d4 (SURR)	102%					S

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

State of Wisconsin
Department of Natural Resources

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Form 4400-231(R 1/04)

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

Instructions:

Prepare one form for each license or monitoring ID.
Please type or print legibly.
Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
Attach a notification of any gas values that attain or exceed explosive gas levels.
Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3
Bureau of Waste and Materials Management
Wisconsin Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53707 - 7921

Monitoring Data Submittal Information

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

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

Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003
FF/NN Landfill	00467		JANUARY -28-2011

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

Type of Data Submitted (Check all that apply)

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

Notification attached?

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

Certification

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

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

Signature Date

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

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

Pace Analytical Services Inc (GB)
117-2202040.05 FF/NN Landfill
01-JAN-11

Lab ID: 721026460
NLS Project: 157859
Collected: 01-JAN-11
License: 00467
FID:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES	ACL	Comments

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

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 4042127 **Workorder Name:** 117-2202040.05 FF/NN LANDFILL **Results Requested** 2/15/2011

Report / Invoice To	Subcontract To
Alee Her Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Email: alee.her@pacelabs.com	NLS P.O._____

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: 8260 524.2	LAB USE ONLY
1	BANEDK/PERRY/WATKINS	1/28/2011 10:25	4042127001	Water		X	599358
2	TRIP BLANK	1/28/2011 00:00	4042127002	Water		X	359
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] 2/2/11	1600	Fedex	
2	Debbi Wilson	12:35	Walter	2/3/11
3				
4				
5				

Comments

please provide DNR Edd

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4042127

(Please Print Clearly)	
Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 782-1282
Project Number:	17-2202040.05
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Jack J. Wendler
Sampled By (Sign):	Jack J. Wendler
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same As Above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs 524.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	Banedt/Perry/Watkins	1/28/11	1025	GW	N	J	✓	J=Ascorbic acid + HCl	3-40ml	
								3-40ml vials		
002	Trip Blank						✓	2-40ml vials	2-40ml B	
								~~No Trip Blk~~		

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jack J. Wendler	1.31.11 1000		
FEDEX	2/1/11 1000		2/1/11 1000

PACE Project No.: 4042127

Receipt Temp = 2.01 °C

Sample Receipt pH OK / Adjusted N/A

Cooler Custody Seal: Present / Not Present, Intact / Not Intact

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Geotrans Project # 4042127

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

Tracking #: _____

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

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

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

Optional
Proj. Due Date:
Proj. Name:

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

Cooler Temperature R01 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 2/1/11
Initials: AE

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] Date: 2/1/11

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

ATTACHMENT C

GROUNDWATER SAMPLING FIELD FORMS

GEOTRANS, INC. FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.05	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

SAMPLE POINT		MW-107	MW-111	MW-103	MW-101	P-101
WATER TYPE		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)		1-26-11	1-26-11	1-26-11	1-26-11	1-26-11
CLOCK TIME (Military)		14:05	13:45	14:25	14:45	15:00
DEPTH TO WATER (ft)*		52.95	39.07	52.13	62.61	63.21
MEASURED WELL DEPTH (ft)*		55.32	44.13	53.69	64.40	95.28
CASING VOLUME (gallons)		0.39	0.82	0.25	0.29	5.24
PURGE VOLUME (gallons)		1.5	3.5	1.0	1.5	21.0
DEPTH SAMPLE TAKEN (ft)*		53	42	53	64	75
SAMPLING DEVICE		Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Hanging Bailer
FIELD TEMPERATURE (°C)		6.02	7.61	5.46	6.21	5.76
pH		9.12	8.52	9.16	9.08	9.43
ELEC. COND. (uS/cm)	Measured	NM	NM	NM	NM	NM
	at 25° C	0.249	0.849	1.70	0.938	0.829
ORP (mV)		45	26	62	-14	-31
DISSOLVED OXYGEN (ppm)		4.74	4.56	4.52	2.51	2.65
DISSOLVED OXYGEN (% Sat.)		38.1	38.3	36.0	20.3	21.2
COLOR		lt. brown	clear	clear	clear	clear
ODOR		none	none	none	none	none
CLARITY		sl. cloudy	clear	clear	clear	clear
SAMPLING PARAMETERS		# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (8260B)		3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No
Vacu-Vials Iron 2		0.85	0.25	0.09	Over Range	1.24
Hanna pH		7.35	7.28	7.22	7.39	7.26
NAME OF LABORATORY		Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB		1-28-11	1-28-11	1-28-11	1-28-11	1-28-11
SAMPLER'S NAME		Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

GeoTrans, Inc.

GEOTRANS, INC. 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.	117-2202040.05	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)	1-24-11			1-24-11			1-25-11		
STATIC WATER LEVEL (feet)*	29.51			30.00			13.04		
WELL DEPTH (feet)*	280.1			185.72			325.31		
PUMP INLET DEPTH (feet)*	67.5			54.5			73.5		
START PURGE TIME (Military)	14:30			14:10			12:10		
END PURGE TIME (Military)	15:25			14:20			12:35		
PURGE VOLUME (gallons)	3.0			1.0			0.75		
SAMPLE TIME (Military)	15:35			14:25			12:40		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	53 :00	54 :00	55 :00	3 :00	4 :00	5 :00	14 :00	16 :00	18 :00
TEMPERATURE (° C)	7.30	7.28	7.22	8.35	8.37	8.40	5.74	5.79	5.92
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.536	0.535	0.535	0.612	0.620	0.614	0.532	0.532	0.533
DISSOLVED OXYGEN (ppm)	0.65	0.72	0.74	0.53	0.48	0.44	2.16	2.02	1.98
pH	6.52	6.51	6.51	6.92	6.84	6.79	6.81	6.81	6.80
DISSOLVED OXYGEN (% Sat.)	5.4	6.0	6.1	4.5	4.1	3.8	17.2	16.2	15.9
ORP (mV)	-81	-79	-77	-120	-114	-109	-70	-74	-78
COLOR	clear			clear			clear		
ODOR	Weak Rotten eggs						none.		
CLARITY	clear			clear			clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTA NER 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	0.19			0.66			1.09		
Hanna pH	7.30			6.90			7.58		
	Purged well for almost 1 hr (3.0 gal). Stopped purging to let stabilize								
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	1-28-11			1-28-11			1-28-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-2202040.05	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)	1-25-11			1-25-11			1-25-11		
STATIC WATER LEVEL (feet)*	13.65			50.66			51.27		
WELL DEPTH (feet)*	198.9			83.02			192.66		
PUMP INLET DEPTH (feet)*	48.5			69.5			87.5		
START PURGE TIME (Military)	12:40			14:25			14:00		
END PURGE TIME (Military)	12:50			14:35			14:10		
PURGE VOLUME (gallons)	1.0			1.5			1.25		
SAMPLE TIME (Military)	12:55			14:40			14:15		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	2 :00	3 :00	4 :00	5 :00	6 :00	7 :00	6 :00	7 :00	8 :00
TEMPERATURE (° C)	9.72	9.74	9.75	9.23	9.26	9.29	9.31	9.34	9.39
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.1618	0.1618	0.1619	0.780	0.778	0.776	0.781	0.781	0.781
DISSOLVED OXYGEN (ppm)	1.11	1.02	0.94	0.81	0.70	0.64	0.89	0.81	0.73
pH	6.99	6.90	6.84	8.46	8.52	8.55	6.51	6.51	6.51
DISSOLVED OXYGEN (% Sat.)	9.8	9.0	8.3	7.1	6.2	5.6	7.8	7.1	6.4
ORP (mV)	-89	-87	-86	-65	-67	-69	-69	-70	-71
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	0.90			2.58			over range		
Hanna pH	7.50			7.60			7.56		
				MS 14:45			MS 14:20		
				MSD 14:50			MSD 14:25		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	1-28-11			1-28-11			1-28-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-2202040.05	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-111D/DUP	P-111	P-107
WATER TYPE	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	1-24-11	1-24-11	1-24-11
STATIC WATER LEVEL (feet)*	38.64	39.17	52.40
WELL DEPTH (feet)*	151.0	81.54	85.75
PUMP INLET DEPTH (feet)*	151.0	81.0	74.5
START PURGE TIME (Military)	15:50	16:10	12:55
END PURGE TIME (Military)	16:00	16:25	13:20
PURGE VOLUME (gallons)	1.5	1.25	1.25
SAMPLE TIME (Military)	16:05/16:10	16:30	13:25

STABILIZED INDICATOR PARAMETERS READINGS	P-111D/DUP 1st	P-111D/DUP 2nd	P-111D/DUP 3rd	P-111 1st	P-111 2nd	P-111 3rd	P-107 1st	P-107 2nd	P-107 3rd
TIME (minutes since initial reading)	0 :00	1 :00	2 :00	0 :00	1 :00	2 :00	14 :00	15 :00	16 :00
TEMPERATURE (° C)	8.92	8.91	8.94	9.09	9.10	9.07	8.71	8.23	7.79
ELECTRICAL CONDUCTANCE at25° C (ms/cm)	0.801	0.801	0.801	0.1616	0.1625	0.1632	0.834	0.837	0.838
DISSOLVED OXYGEN (ppm)	0.89	0.81	0.77	0.108	0.58	0.58	1.94	1.85	1.82
pH	6.59	6.60	6.60	6.73	6.73	6.72	6.33	6.33	6.33
DISSOLVED OXYGEN (% Sat.)	7.7	7.0	6.6	5.9	5.0	5.0	16.8	15.7	15.4
ORP (mV)	-96	-98	-101	-98	-98	-98	-25	-27	-28
COLOR	clear			clear			clear		
ODOR	none			none			none		
CLARITY	clear			clear			clear		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No	3 – 40 ml; G; HCl – L; No
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.72	0.45	1.33
HannaPH	6.83	7.35	6.73
	*took dup		
	at 16:10*		
NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical
DATE SENT TO LAB	1-28-11	1-28-11	1-28-11
SAMPLER'S NAME	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-2202040.05	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-107D			P-114 /DUP			P-115		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	1-24-11			1-25-11			1-25-11		
STATIC WATER LEVEL (feet)*	51.51			20.26			23.44		
WELL DEPTH (feet)*	327.95			181.72			179.57		
PUMP INLET DEPTH (feet)*	76.5			53.5			53.5		
START PURGE TIME (Military)	11:55			10:05			10:50		
END PURGE TIME (Military)	12:35			10:15			11:05		
PURGE VOLUME (gallons)	4.5			1.25			1.25		
SAMPLE TIME (Military)	12:40			10:20/10:25			11:10		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	2 :00	3 :00	4 :00	0 :00	1 :00	2 :00	0 :00	1 :00	2 :00
TEMPERATURE (° C)	9.08	9.05	9.02	9.29	9.29	9.28	9.83	9.83	9.83
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.567	0.565	0.564	0.684	0.681	0.679	0.576	0.576	0.576
DISSOLVED OXYGEN (ppm)	0.96	0.92	0.79	0.49	0.44	0.42	0.49	0.46	0.42
pH	6.35	6.36	6.36	6.56	6.55	6.55	6.65	6.64	6.64
DISSOLVED OXYGEN (% Sat.)	8.3	8.0	6.9	4.3	3.9	3.7	4.3	4.0	3.7
ORP (mV)	-58	-59	-59	-63	-60	-58	-78	-78	-78
COLOR	Clear			Clear			Clear		
ODOR	Rotten eggs			none			none		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.3			0.60			0.95		
Hanna pH	6.62			7.60			7.68		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	1-28-11			1-28-11			1-28-11		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

GeoTrans, Inc.

GEOTRANS, INC. 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.	117-2202040.05	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-116		
WATER T PE	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	1-25-11		
STATIC WATER LEVEL (feet)*	27.44		
WELL DEPTH (feet)*	163.19		
PUMP INLET DEPTH (feet)*	163		
START PURGE TIME (Military)	08:55		
END PURGE TIME (Military)	09:15		
PURGE VOLUME (gallons)	1.0		
SAMPLE TIME (Military)	09:20		

STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0 :00	2 :00	4 :00	:00	:00	:00	:00	:00	:00
TEMPERATURE (° C)	9.02	9.02	8.98						
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.506	0.507	0.506						
DISSOLVED OXYGEN (ppm)	0.62	0.59	0.56						
pH	10.26	10.31	10.34						
DISSOLVED OXYGEN (% Sat.)	5.4	5.1	4.8						
ORP (mV)	37	37	37						
COLOR	pinkish								
ODOR	none								
CLARITY	Slightly Cloudy								

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER T PE (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	0.45		
Hanna pH	7.76		
NAME OF LABORATORY	Pace Analytical		
DATE SENT TO LAB	1-28-11		
SAMPLER'S NAME	Ashley A. Weimer		

*Measured from top of well casing.

GeoTrans, Inc.

Water Levels

FF/NN Landfill, Ripon, WI

Date: 1.24.11 **Personnel:** Jack Wendler

Well Name	TOC Elevation	Depth to Water	Comments
MW-101	884.80	62.61	
P-101	885.26	63.12	
MW-102	843.05	20.39	
P-102	842.99	20.25	
MW-103	872.42	52.13	
P-103	872.92	50.66	
P-103D	873.08	51.27	
MW-104	875.15	53.05	
P-104	875.48	53.22	
MW-106	878.90	56.33	←56.33
P-106	878.91	56.39	
MW-107	871.78	52.95	
P-107	871.38	52.40	
P-107D	871.98	51.51	
MW-108	845.25	27.81	
P-108	845.61	25.36	
MW-111	856.46	39.07	
P-111	856.13	39.17	
P-111D	855.79	38.64	
MW-112	874.55	55.22	
P-113A	833.09	13.04	
P-113B	833.10	13.65	
P-114 (Ehster)	839.35	20.26	
P-115 (Wiese)	842.71	23.44	
P-116 (Hadel)	845.34	27.44	
MW-3A	850.77	29.51	
MW-3B	851.04	30.00	
*take measurements from 113, 107, 3A-3B well nests consecutively			

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

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	117-2202040.05
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:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same as Above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID 2011	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs 8260B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	P-107 D	1-24	12:40	GW	N	B	✓			
	P-107		13:25				✓			
	MW-3B		14:25				✓			
	MW-3A		15:35				✓			
	P-111 D		16:05				✓			
	P-111 D DUP		16:10				✓			
	P-111		16:30				✓			
	P-116	1-25	0920				✓			
	P-114		10:20				✓			
	P-114 DUP		10:25				✓			
	P-115		11:10				✓			
	P-113 A		12:40				✓			
	P-113 B		12:55				✓			

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	1-28-11 0800		

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

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

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CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	GeoTrans, Inc.
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202410.05
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:	GeoTrans, Inc.
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	Same As Above
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

A = Air	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 2011	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 #
	P-103 D	1-25	14:15	GW		N	B	✓			
	P-103 D MS		14:20					✓			
	P-103 D MSD		14:25					✓			
	P-103		14:40					✓			
	P-103 MS		14:45					✓			
	P-103 MSD		14:50					✓			
	MW-111	1-26	13:45					✓			
	MW-107		14:05					✓			
	MW-103		14:25					✓			
	MW-101		14:45					✓			
	P-101		14:50					✓			
	TB-1	—	—	DI				✓			

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	1-28-9:30		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

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

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	GeoTrans, Inc
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	17-2202046.05
Project Name:	FF/NN Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

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

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	GeoTrans, Inc
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

Matrix Codes

A = Air	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 2011	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 #
	Ronde	1-26	15:55	GW	N	G	✓			
	Baastra	1-26	13:10	GW			✓			
	TB-2	—	—	DI			✓			

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	1-28-11 0800		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

[redacted] Not [redacted]

GEOTRANS, INC. FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.05	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

SAMPLE POINT		Rohde	Gaastra	Baneck/Perry/Watkins		
WATER TYPE		Groundwater	Groundwater	Groundwater	Ground	Groundwater
DATE (month/day/year)		1-26-11	1-26-11	1-28-11		
CLOCK TIME (Military)		15:55	13:10	10:05		
PURGE RATE (GPM)		5.0	5.0	5.0		
PURGE VOLUME (gallons)		100	100	100		
SAMPLING DEVICE		Outside Pump	Outside Spigot	Outside Spigot		
FIELD TEMPERATURE (°C)		7.36	7.93	10.05		
pH		8.63	6.01	6.93		
ELEC. COND. (uS/cm)	Measured	NM	NM	NM		
	at 25° C	0.571	0.552	NM		
ORP (mV)		116	33	NM		
DISSOLVED OXYGEN (ppm)		3.83	1.24	2.42		
DISSOLVED OXYGEN (% Sat.)		31.9	10.5	24.7		
COLOR		clear	clear	clear		
ODOR		none	none	Slight		
CLARITY		clear	clear	cloudy		
SAMPLING PARAMETERS		# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (524.2)		3 – 40 ml; G; HCl & Ascorbic Acid-L; No	3 – 40 ml; G; HCl & Ascorbic Acid-L; No	3 – 40 ml; G; HCl & Ascorbic Acid-L; No		
Vacu-Vials Iron 2		0.00	2.34	NT		
Hanna pH		7.56	7.37	—		
NAME OF LABORATORY		Pace Analytical	Pace Analytical	Pace Analytical		
DATE SENT TO LAB		1-28-11	1-28-11	1-31-11		
SAMPLER'S NAME		Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer		

*Measured from top of well casing.

ATTACHMENT D

LANDFILL GAS EXTRACTION SYSTEM MONITORING

GeoTrans, Inc.

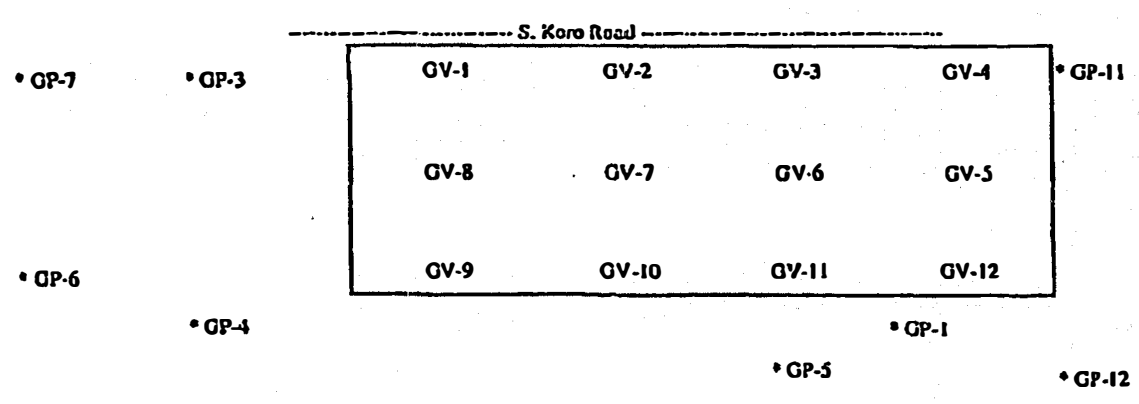
GAS PROBE DATA

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

Barometric Pressure: 29.4 Hg
Temperature (ambient): _____ F
Measuring Device: Eagle 2 gauge Hy

% LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
1-10-11	0900	Background	0.0	0	20.0			
	0918	LC-1	11.5	22.2	1.6			
	0930	LC-2	43.0	31.4	2.3			
	0925	LC-3	20.5	20.8	6.0			
		GV-1						
		GV-4						
	0910	GV-6	2.8	4.8	15.7			
		GV-7						
		GV-9						
		GV-12						
	0905/1015	GP-1	0 / 8	2.8 / ~~3.8~~ 4.8	14.4 / 12.5			



GeoTrans, Inc.

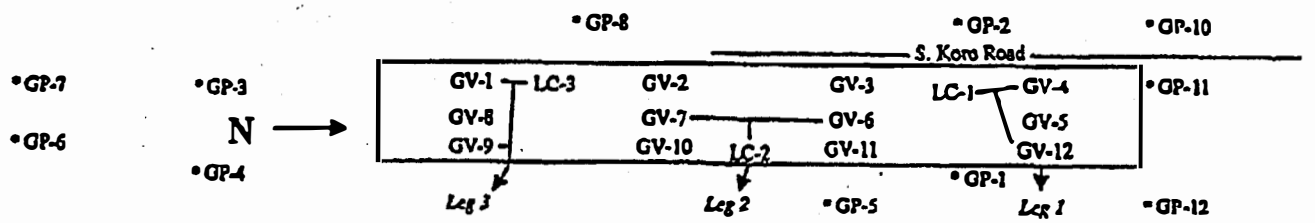
GAS PROBE DATA

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

Barometric Pressure: 29.1 Hg
Temperature (ambient): 20 F
Measuring Device: Eagle 1 gauge

W LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
01.25.11	0710	Background	0 *	0.0	19.6	
	0835	LC-1	5 *	0.2	19.7	Frost?
	0827	LC-2	5 *	0.2	19.8	Frost?
	0841	LC-3	18.5	18.8	7.4	
	1045	MW-101	4 *	0.4	20.0	
	0808	MW-102	4 *	1.2	19.2	
	0715	MW-103	0 *	0.2	19.4	
	0745	MW-104	3 *	0.6	19.6	
	—	~~GV-1~~	—	—	—	
	~~0900~~	~~GV-4~~	—	—	—	
	0833	GV-6	9 *	0.8	19.2	
	—	~~GV-7~~	—	—	—	
	—	~~GV-9~~	—	—	—	
	—	~~GV-12~~	—	—	—	
	0815/0930	GP-1	4*/6*	5.0/1.2	8.1/17.3	
	1110	GP-2	4 *	0.4	20.0	
	0845	GP-3	4 *	0.2	19.8	
	0720	GP-4	0 *	0.0	19.6	
	0804	GP-5	4 *	4.4	17.0	
	1125	GP-6	4 *	0.4	20.0	
	1120	GP-7	4 *	0.4	20.0	
	1115	GP-8	4 *	0.4	20.0	
	1100	GP-10	4 *	0.4	20.0	
	1029	GP-11	4 *	3.6	16.6	
	0819	GP-12	5.0*	5.4	14.6	
	0753	Leg 1	11.0	19.6	3.7	
	0755	Leg 2	35.5	28.2	2.3	
	0758	Leg3	19.5	20.2	6.2	
↓	0811	Exhaust	87 *	4.2	17.1	



GeoTrans, inc.

GAS PROBE DATA

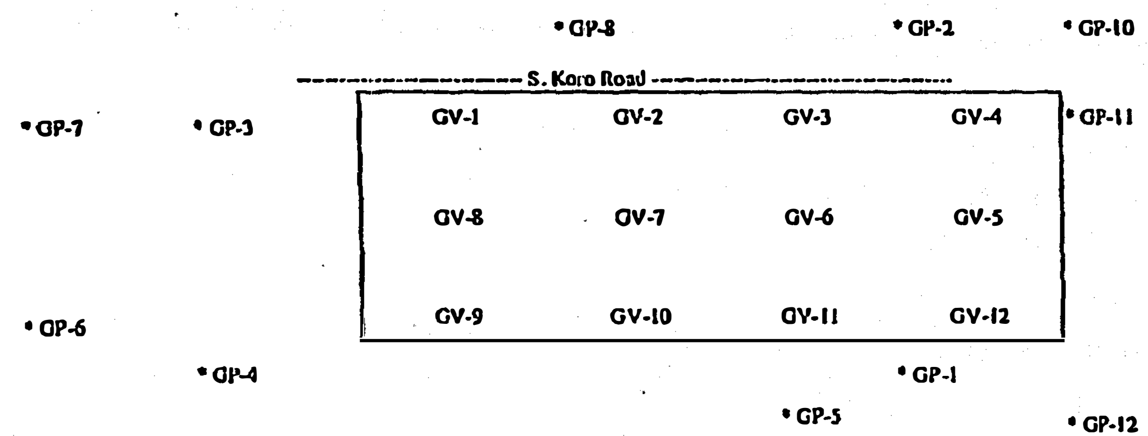
ill

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

Barometric Pressure: 29.0 Hg
Temperature (ambient): 2 F
Measuring Device: Eagle
2 gauge -1 Hg

* LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
2.11.11	1130	Background	1.*	0.0	20.9	—	—	
	1215	LC-1	34.0	24.6	1.7	—	—	
	1145	LC-2	52.0	30.8	1.5	—	—	
	1230	LC-3	29.5	21.6	6.1	—	—	
		GV-1						
		GV-4						
	1200	GV-6	30.5	20.8	0.5			
		GV-7						
		GV-9						
		GV-12						
	1135/1245	GP-1	1*/9*	4.0/3.0	9.4/13.5	—	—	



Replaced belt @ 1000. Shut system down

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GAS PROBE DATA

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: JackWendler

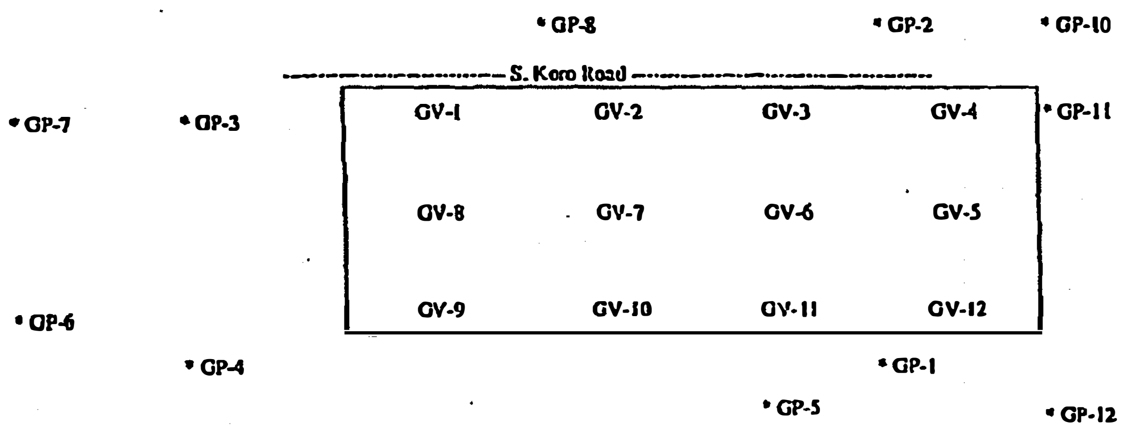
Barometric Pressure: 29.1 Hg
Temperature (ambient): ______ F
Measuring Device: Eagle

Note!

* LEL

6 gauge Hg

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
2.22.11	0915	Background	0 *	0.0	20.9	—	—	
	0953	LC-1	✓	✓	✓	—	—	✓ Ice/frost in line
	0930	LC-2	12.0	8.4	15.1	—	—	
	1015	LC-3	15.5	17.0	7.7	—	—	
		GV-1						
		GV-4						
	0940	GV-6	64 *	7.4	14.2	—	—	
		GV-7						
		GV-9						
		GV-12						
	0920/1020	GP-1	3*/7*	1.0/0.2	18.1/20.9	—	—	



24" of water in tank that is inside trailer !!

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GeoTrans, Inc.

GAS PROBE DATA

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

Barometric Pressure: 29.3 Hg
Temperature (ambient): 22° F
Measuring Device: Eagle 5 gauge "Hg
% LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Vel (ft/min)	Pressure (in H^2O)	Comments
3.7-11	0850	Background	0 *	0.0	20.9			
	0920	LC-1	97 *	15.2	6.5			
	0905	LC-2	13.0	9.2	14.5			
	0930	LC-3	15.5	17.4	7.1			
		GV-1						
		GV-4						
	0905	GV-6	88 *	10.0	11.5			
		GV-7						
		GV-9						
		GV-12						
	0855	GP-1	2 * / 9 *	1.4 / 0.2	13.1 / 20.9	—	—