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STATUS REPORT FOR OCTOBER 2012 SAMPLING EVENT
FF/NN LANDFILL
RIPON, WISCONSIN

November 19, 2012

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

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Project No. 117-2202.040

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STATUS REPORT FOR OCTOBER 2012 SAMPLING EVENT

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

LIST OF FIGURES

LIST OF CHARTS

TABLE OF CONTENTS (Continued)

LIST OF TABLES

TABLE OF CONTENTS (Continued)

LIST OF ATTACHMENTS

CONTRACT SF-92-01

STATUS REPORT FOR OCTOBER 2012 SAMPLING EVENT

SITE INFORMATION AND CONTACTS

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:
November 19, 2012

FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 27 monitoring wells by Tetra Tech GEO in October 2012. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.

- A total of 16 monitoring wells were sampled for VOCs by Tetra Tech GEO during the October 2012 event. Two duplicate samples were collected for quality control. The revised groundwater monitoring program as outlined in an April 8, 2011 letter from WDNR was followed for this sampling event.

- Jack Wendler from the City of Ripon conducted biweekly landfill gas monitoring of the extraction system vents and wells and collected gas samples for VOC analysis in October 2012.

RESULTS OF FIELD ACTIVITIES

Groundwater Monitoring Event - Groundwater Elevations

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

For the October 2012 sampling event, groundwater elevations were measured in all 27 monitoring wells by Ashley Weimer from Tetra Tech. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping. These elevations are provided in Table 1 and shown on Figures 1 through 4. Each layer is discussed separately below.

Layer 1 Wells

Layer 1 contains nine wells with screen elevations ranging from 812 feet to 821 feet MSL. All of these well screens intersect the water table. The groundwater elevations are displayed on Figure 1 and Chart 1. Compared to the event in July 2012, the water levels have decreased in all nine wells. The water levels decreased an average of 1.56 feet ranging from 1.11 feet in MW-108 to 1.70 feet in MW-101.

Historically, the groundwater flow direction in this layer has been to the southwest. The October 2012 groundwater flow direction is consistent with the historical results toward 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 event in July 2012, the water levels have decreased in all eight wells. The water levels decreased an average of 1.82 feet and ranging from 1.27 feet in P-108 to 3.62 feet in P-106.

Historically, the groundwater flow direction in this layer has been to the south-southwest. The October 2012 groundwater flow direction is consistent with the historical results toward 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. Compared to the event in July 2012, the water levels have decreased in all seven wells. The water levels decreased an average of 0.77 feet ranging from 0.43 feet in both P-113B and P-114 to 1.34 feet in P-103D.

Historically, the groundwater flow direction in this layer has been to the southwest and becomes west-southwest further downgradient. The October 2012 groundwater flow direction is consistent with the historical results.

Layer 4 Wells

Layer 4 contains three wells with screen elevations ranging from 508 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill. The groundwater potentiometric surface for this layer is displayed on Figure 4 and Chart 4. Compared to the event in July 2012, the water levels remained the same in P-113A, but decreased by 0.63 feet in MW-3A and by 0.32 feet P-107D.

When pumping at the City of Ripon Municipal Well # 9 was terminated in May 2007, the flow direction in Layer 4 shifted from the southeast to the west. The City brought Well # 9 back on line in April 2010. The groundwater flow direction in October 2012 is to the southwest indicating that Well #9 was not pumping at the time of measurements.

Groundwater Monitoring Event - Monitoring Well Sampling

The revised groundwater monitoring program as outlined in an April 8, 2011 letter from WDNR was followed for this sampling event. The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B. Analytical results and field forms are provided in Attachments B and C, respectively. The VOC analytical results for the monitoring wells are tabulated in Table 2. The temporal trend of chlorinated compound concentrations in all wells is provided in Charts 36 through 62.

Natural attenuation parameters were taken on selected wells during the October 2012 sampling event. The DO and ORP along with temperature, pH and conductivity were measured using a QED MP20 MicroPurge Flow Cell Meter. The iron II was measured in the field using CHEMetrics analyte-specific Vacu-vials® for photometric analysis using a CHEMetrics Model V-2000 LED photometer.

Following is a summary of the October 2012 VOC analytical results as they relate to groundwater standards for each well that was sampled. To better track impacts at various depths, the results are organized according to the four stratigraphic groupings of wells discussed previously.

Layer 1 Wells

MW-103 No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) has not been detected since October 2007. Trichloroethene (TCE) exceeded its preventive action limit (PAL 0.5 ug/L) with a concentration of 1.7 ug/L. Cis-1,2-dichloroethene (DCE) was detected at a concentration of 2.1 ug/L, well below NR 140 standards.

MW-104 No compounds exceeded the NR 140 PAL. Chlorobenzene (2.8 ug/L) and 1,4-dichlorobenzene (1.8 ug/L) were detected at concentrations below NR 140 standards. VC has not been detected in this well since April 2006.

MW-107 No detection of any VOC.

MW-112 No detection of any VOC. VC has not been detected in this well since July 2011.

Layer 2 Wells

P-103 No detection of any VOC.

P-107 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 7.2 ug/L (6.9 ug/L duplicate). 1,2-DCE (1.7 ug/L) was detected at concentrations below NR 140 standards. The results are similar to past results.

P-113B No detection of any VOC.

P-114 VC exceeded its ES with a concentration of 6.6 ug/L (6.4 ug/L duplicate). This result is similar to past results. 1,2-DCE (1.6 ug/L) was detected at a concentration below NR 140 standards.

P-115 No detection of any VOC.

P-116 No detection of any VOC.

Layer 4 Wells

MW-3A No detection of any VOC.

P-107D VC exceeded its ES with a concentration of 2.0 ug/L. This result is similar to past results.

P-113A No detection of any VOC.

Natural Attenuation Parameters

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

Groundwater Monitoring Event - Private Drinking Water Well Sampling

Historically, seven private wells have been sampled. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Baneck/Perry/Watkins, Gaastra and Rohde) are sampled annually during the April sampling event. Therefore no samples were collected during the October 2012 sampling event.

Landfill Cap Inspection

In response to the ATV traffic on the landfill cap reported in the last quarterly report, the WDNR requested an evaluation of how the ATV users were able to access the site and what can be done to prevent it. A summary response was submitted indicating that this was a one-time incident of trespassing at the landfill site over the past 15 years and that the ATV operators were a neighbor's children who thought that the landfill was their uncle's property. The access was gained through a portion of the site that is not fenced but is landlocked and cannot be accessed by vehicular traffic because of steep terrain limiting access to the landfill property.

The children and their parents were given a warning not to trespass and were informed future trespassing on the landfill property could result in the City of Ripon pursuing legal action against them. The City of Ripon will continue to monitor the landfill for unauthorized trespassing (by the neighbor or any other parties), as part of its monthly inspection of the landfill and vapor extraction system. If it is noted again, contact will be made with the appropriate party or parties through its law enforcement group and the City will determine what appropriate legal action is needed to address the matter.

Interim Landfill Gas Extraction System Performance Monitoring

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

Current extraction is from shallow vent GV-6 and the three deep leachate wells (LC-1, LC-2 and LC-3). The other vents have remained closed to prevent oxygen levels from increasing above 5%. There were a couple modifications to the system during this monitoring period.

- 10/1/2012 – run time decreased to 16.5 hours on/7.5 hours off
- 10/15/2012 – run time decreased to 8.5 hours on/15.5 hours off

Gas samples for VOC analysis were collected on October 16, 2012. The results are

summarized on Table 7 and the lab report is included in Attachment B. The VOCs are lower than the previous round of sampling in wells GP-3, LC-1, and LC-2, but higher than in the previous round of sampling in wells GV-6 and LC-3. 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 indicate 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 (5.0%).

UPCOMING ACTIVITIES PLANNED

Quarterly groundwater sampling, water level measurements and landfill gas extraction point sampling will be conducted in January 2013.

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

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

PERSONNEL

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Ms. Ashley Weimer is the Project Geologist who oversaw the field activities. The laboratory analyses for October 2012 groundwater samples were completed by Pace Analytical Services, Inc. in Green Bay, Wisconsin. The laboratory analyses for the air samples was completed by Pace Analytical Services, Inc. located in Minneapolis, Minnesota.

FIGURES

CHARTS

Chart 1: Layer 1 Historic Water Level Data

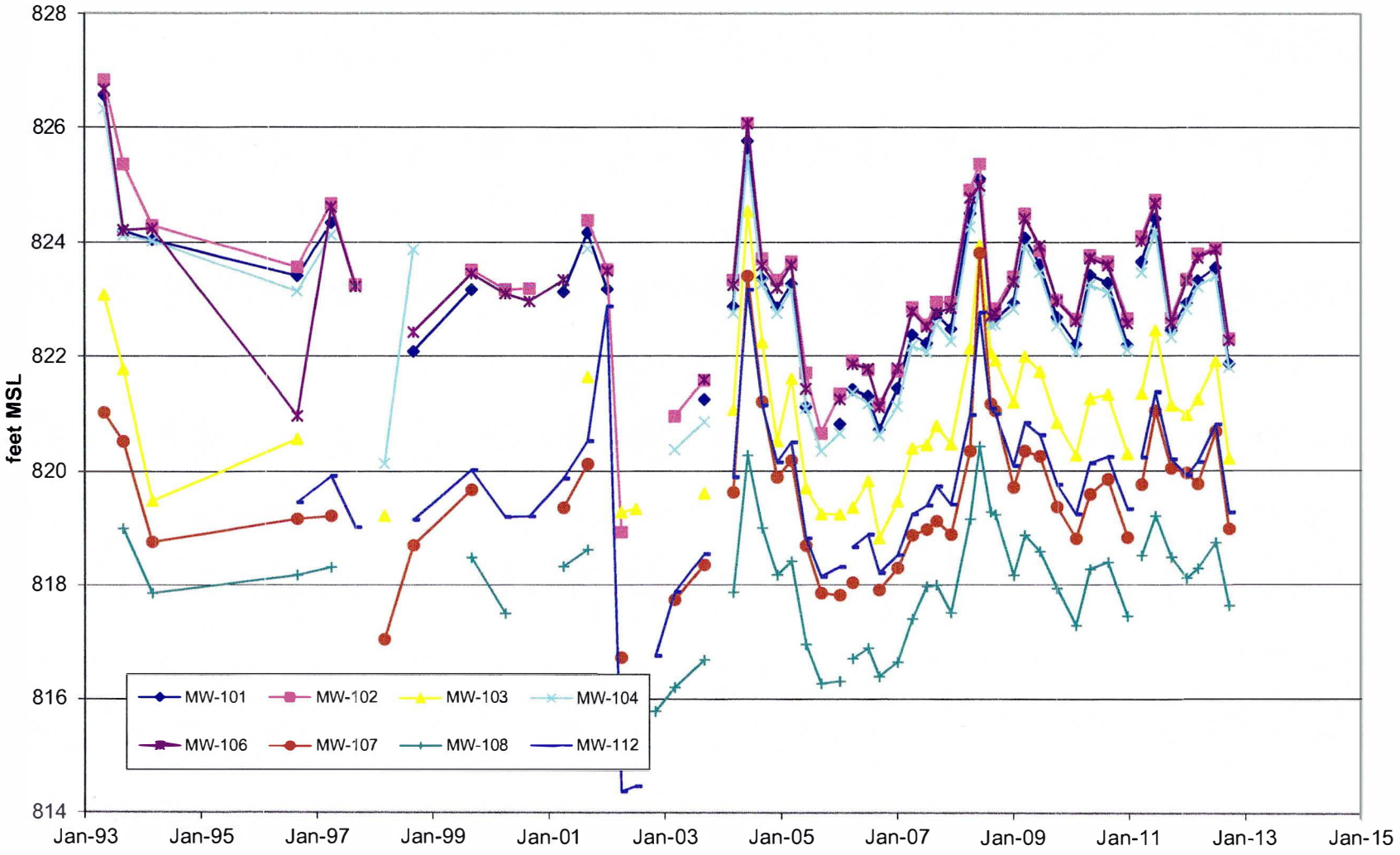


Chart 2: Layer 2 Historic Water Level Data

Chart 3: Layer 3 Historic Water Level Data

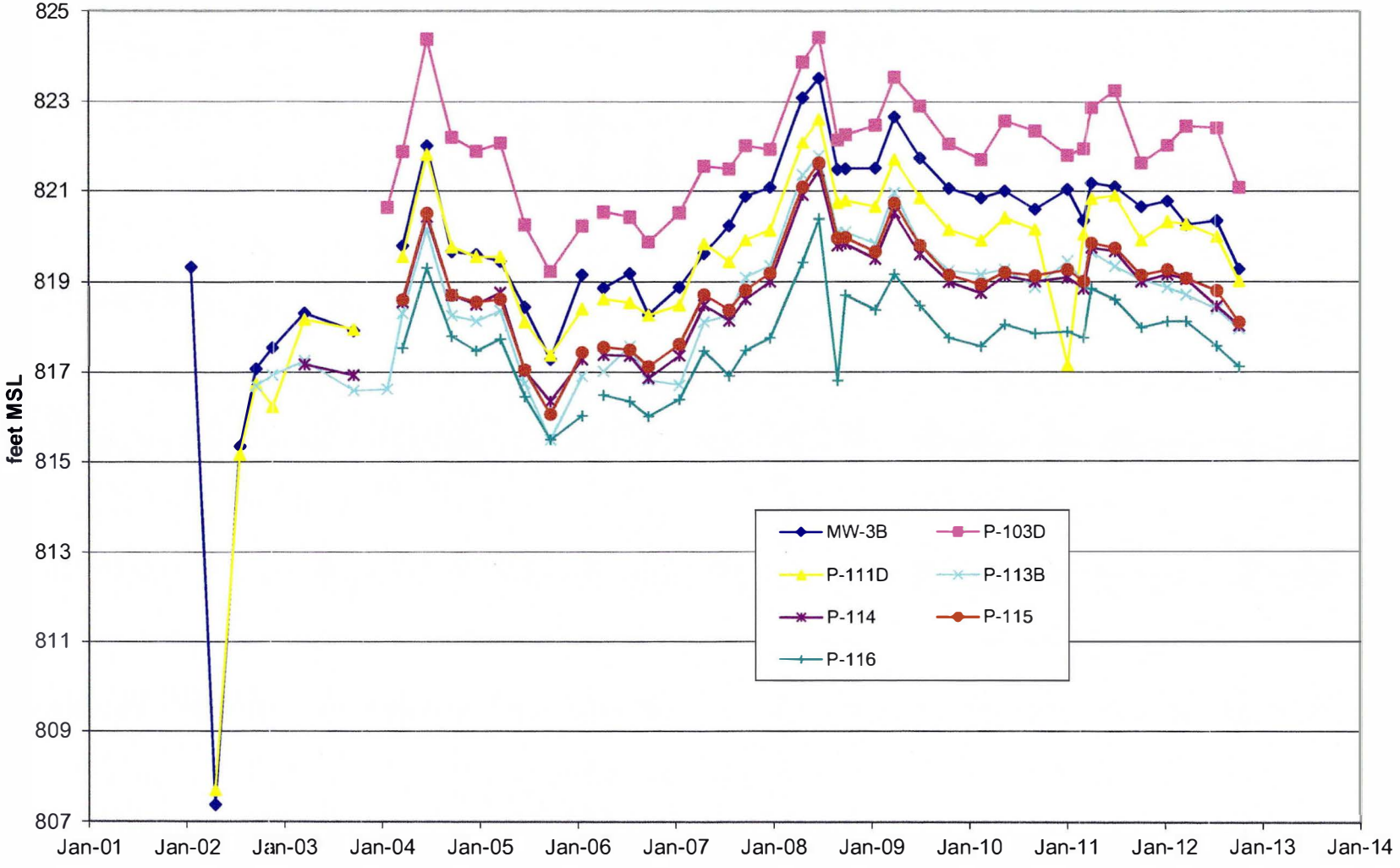


Chart 4: Layer 4 Historic Water Level Data

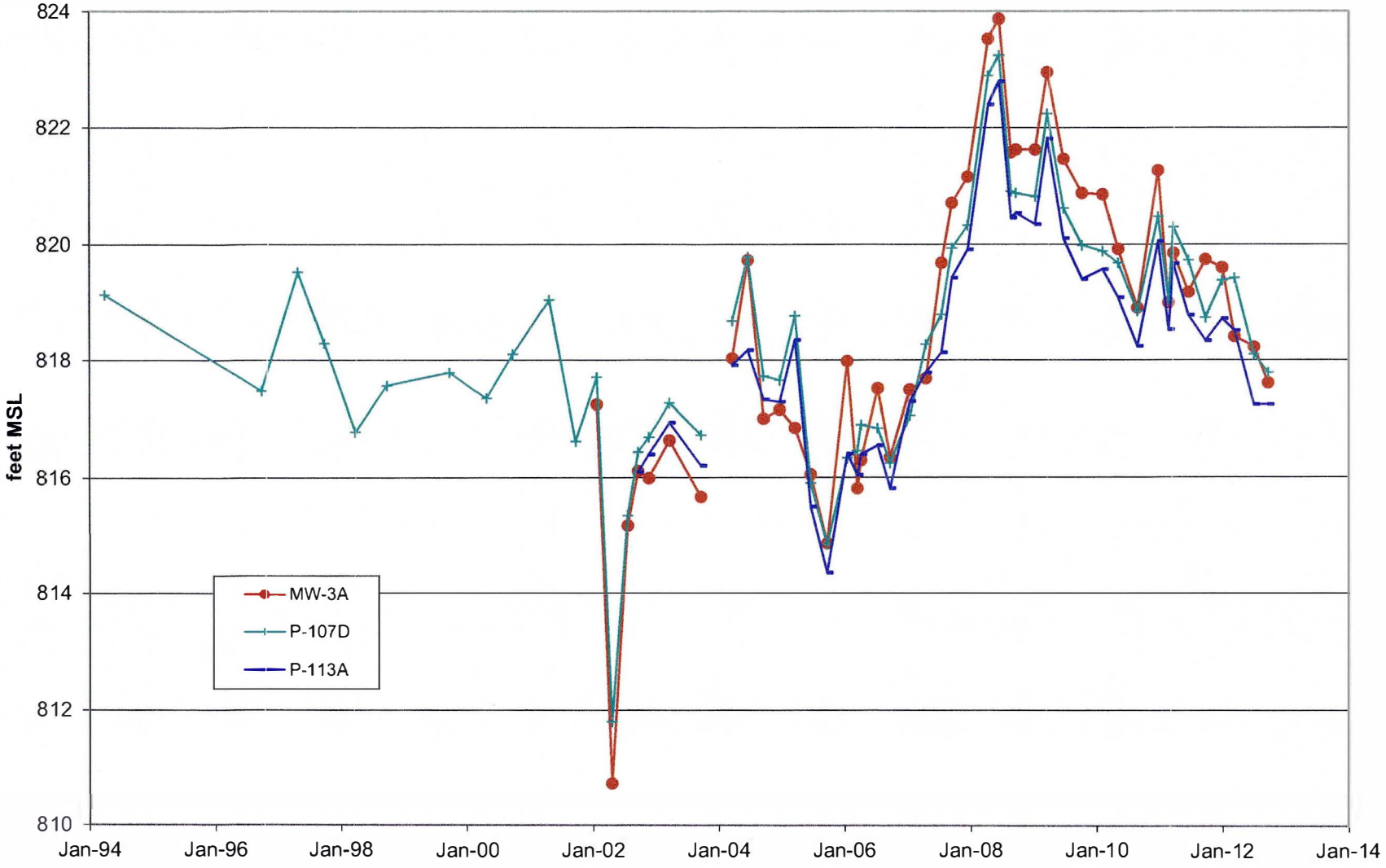


Chart 5: GV-1 Gas Concentrations

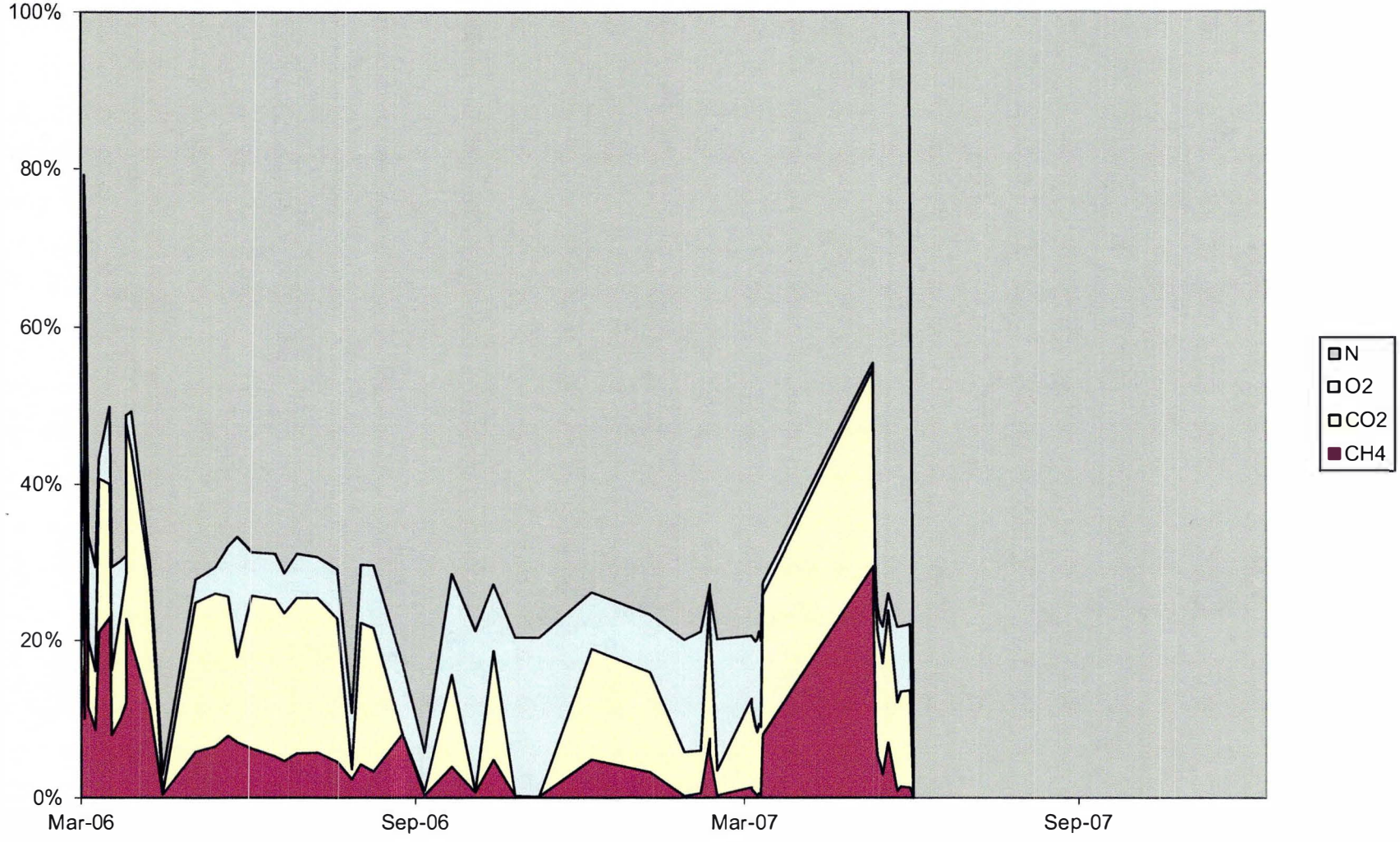


Chart 6: GV-4 Gas Concentrations

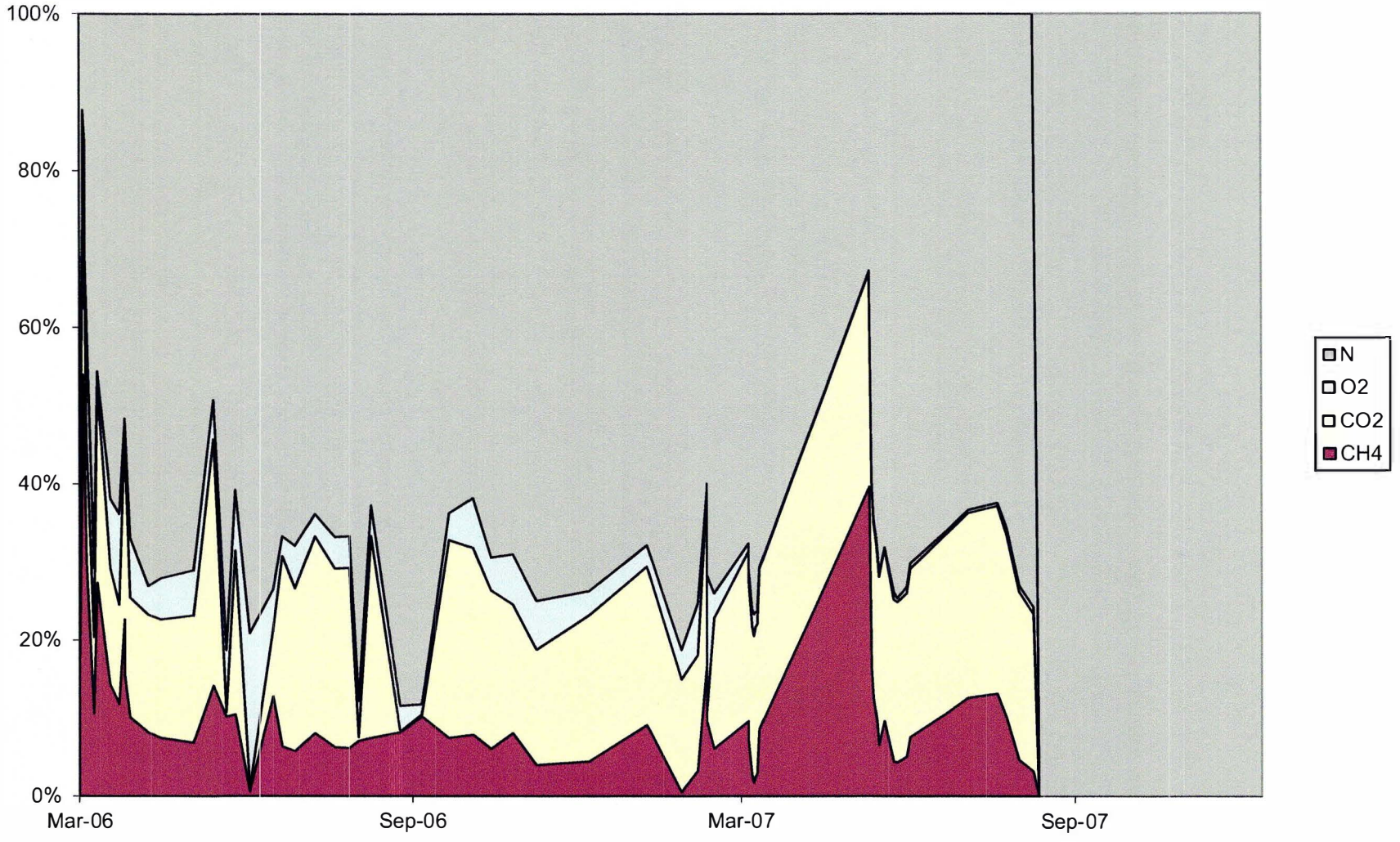


Chart 7: GV-6 Gas Concentrations

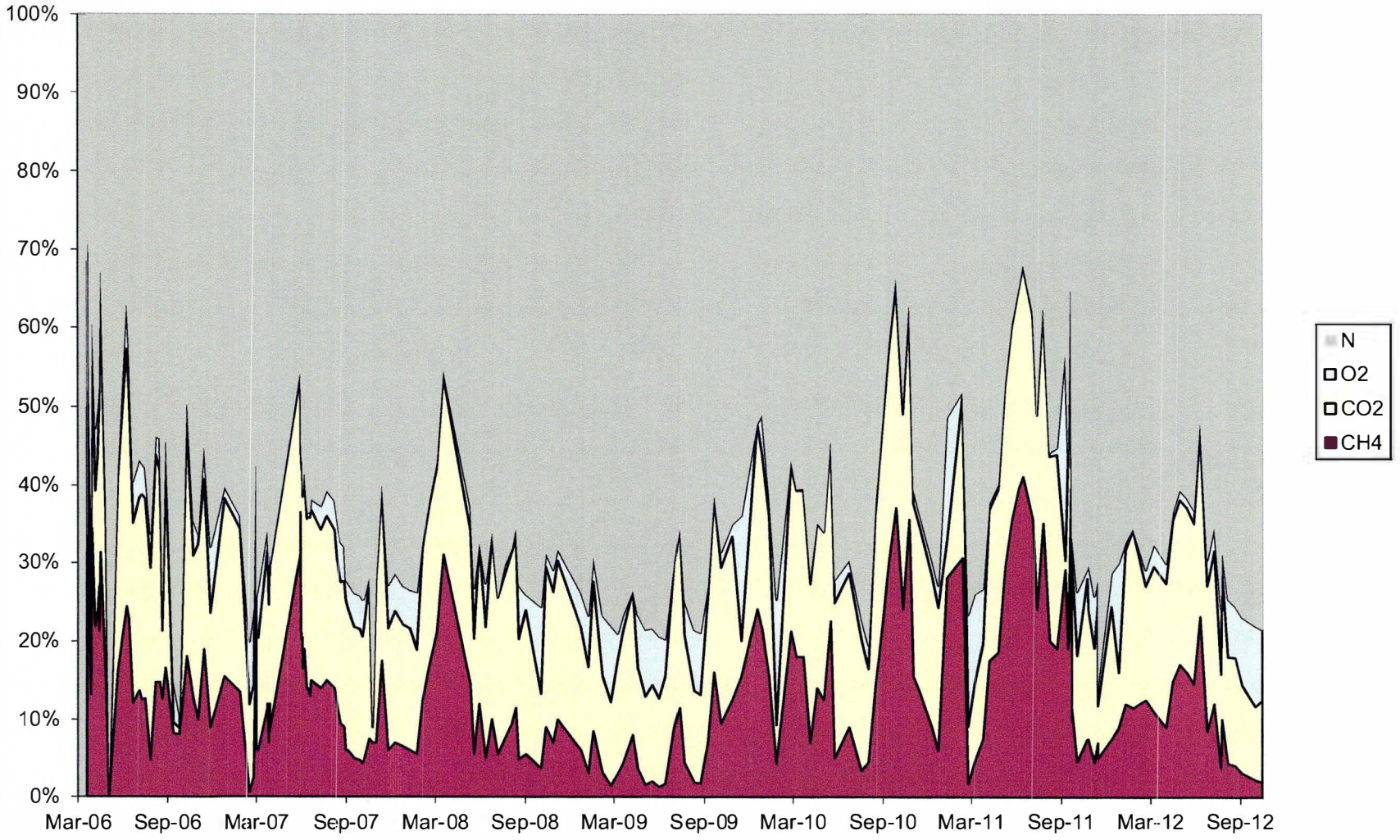


Chart 8: GV-7 Gas Concentrations

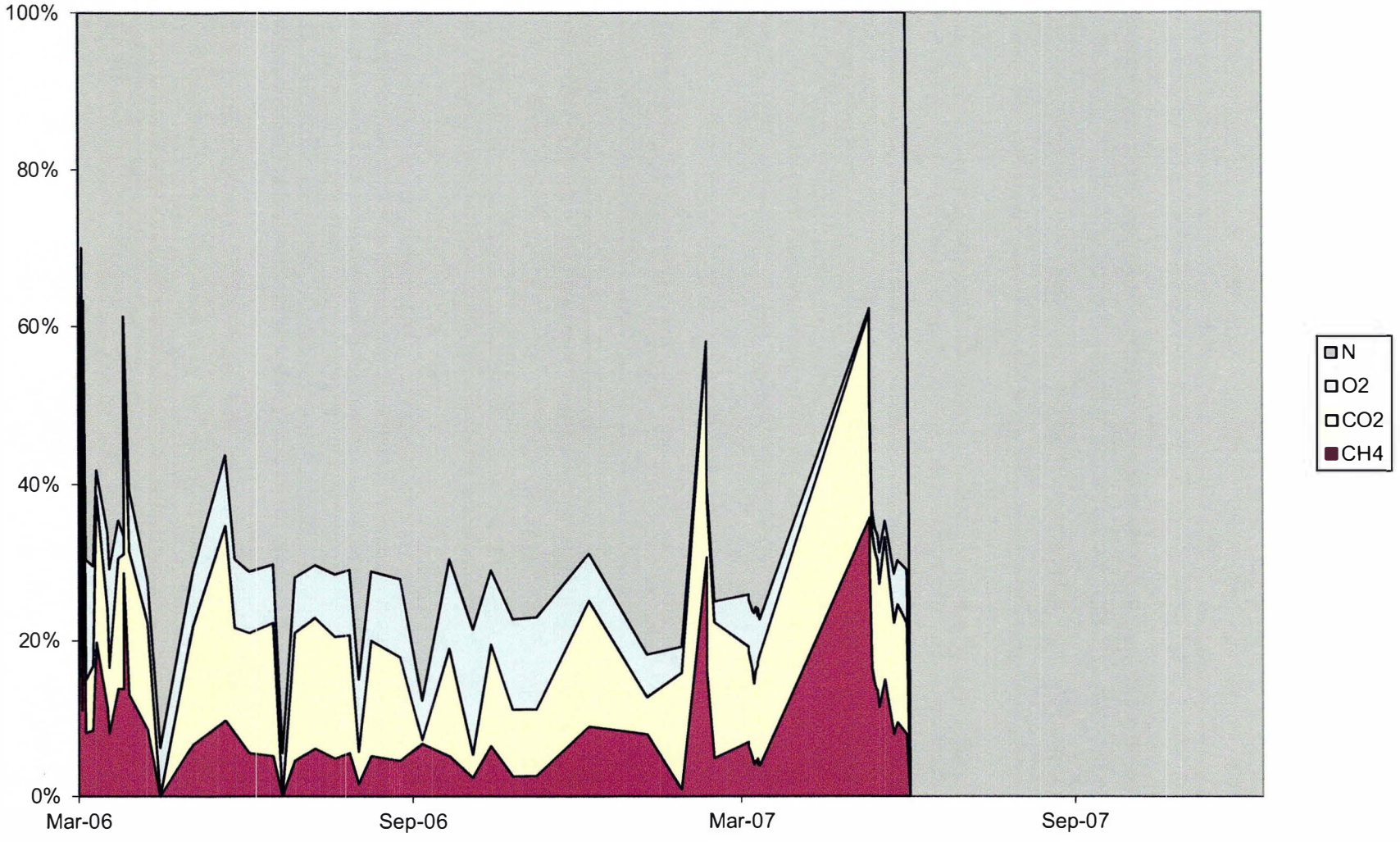


Chart 9: GV-9 Gas Concentrations

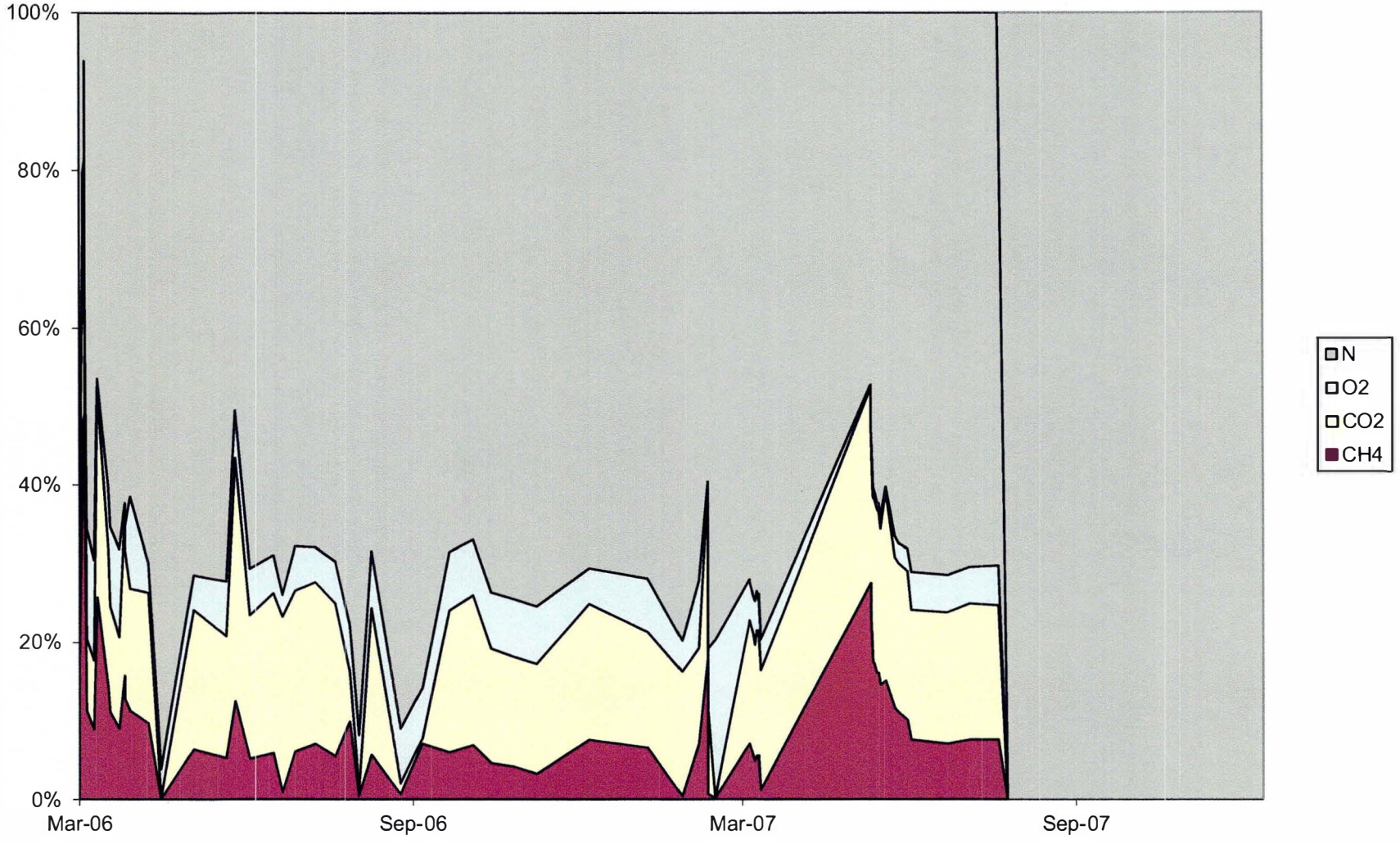


Chart 10: GV-12 Gas Concentrations

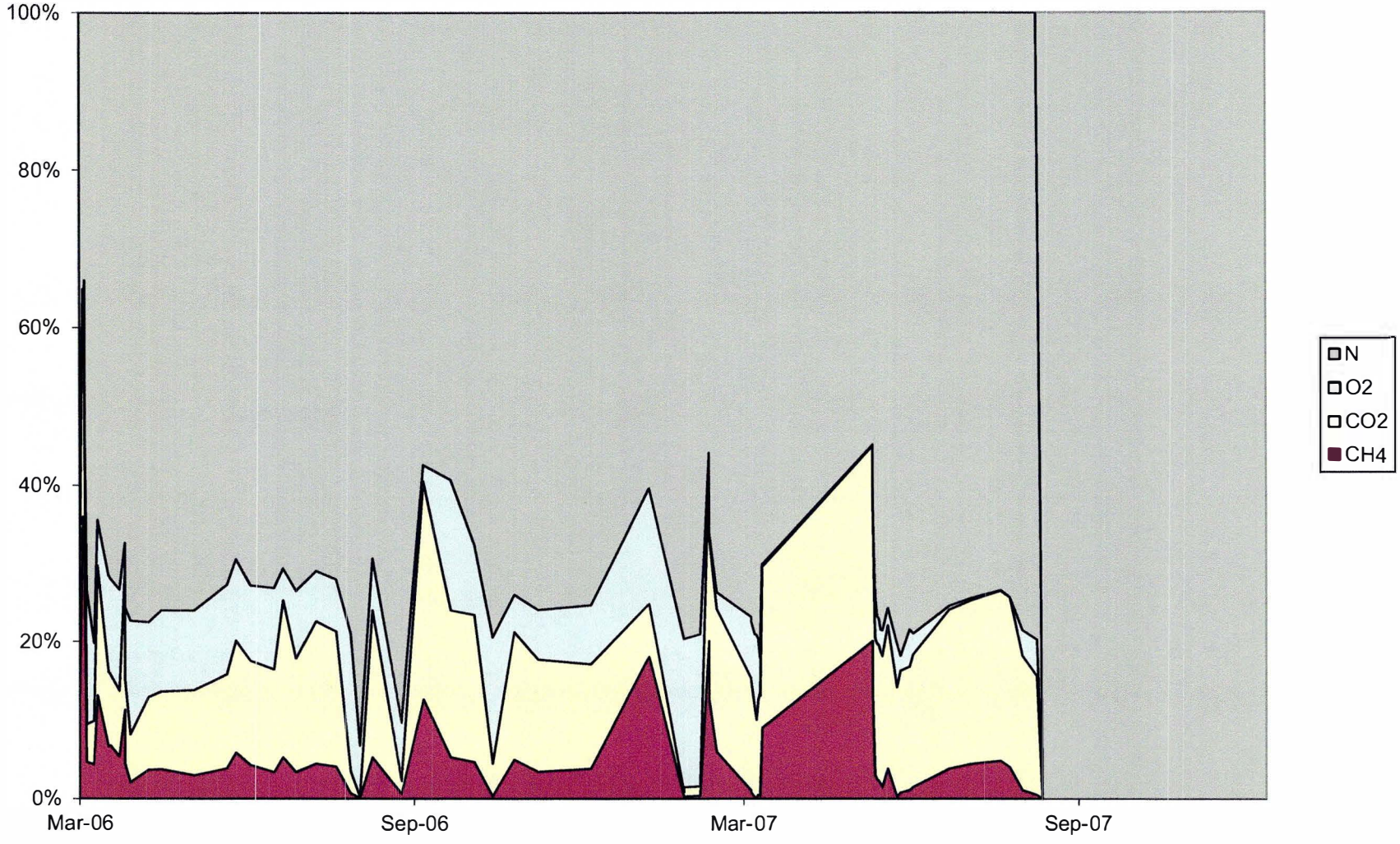


Chart 11: LC-1 Gas Concentrations

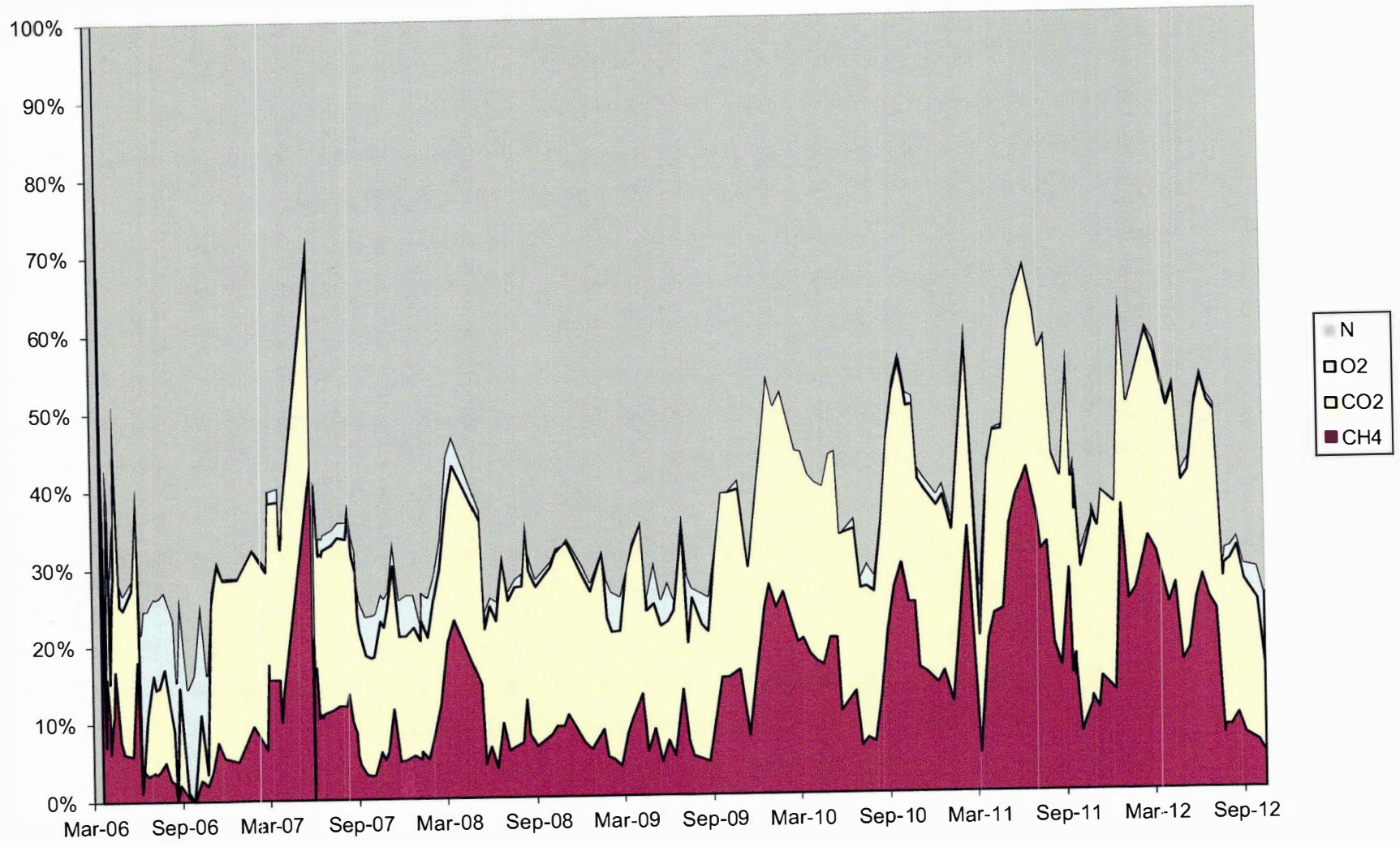


Chart 12: LC-2 Gas Concentrations

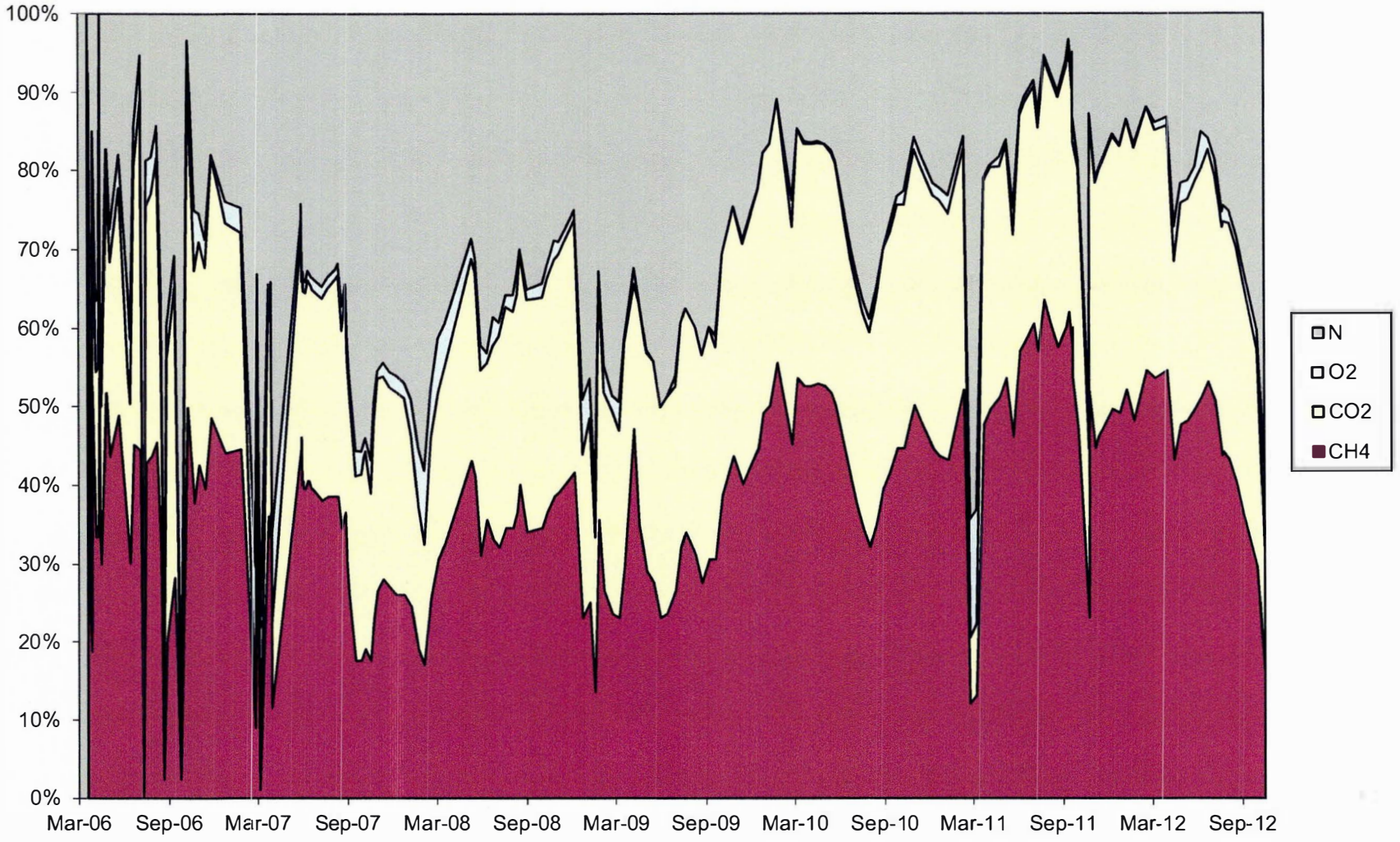


Chart 13: LC-3 Gas Concentrations

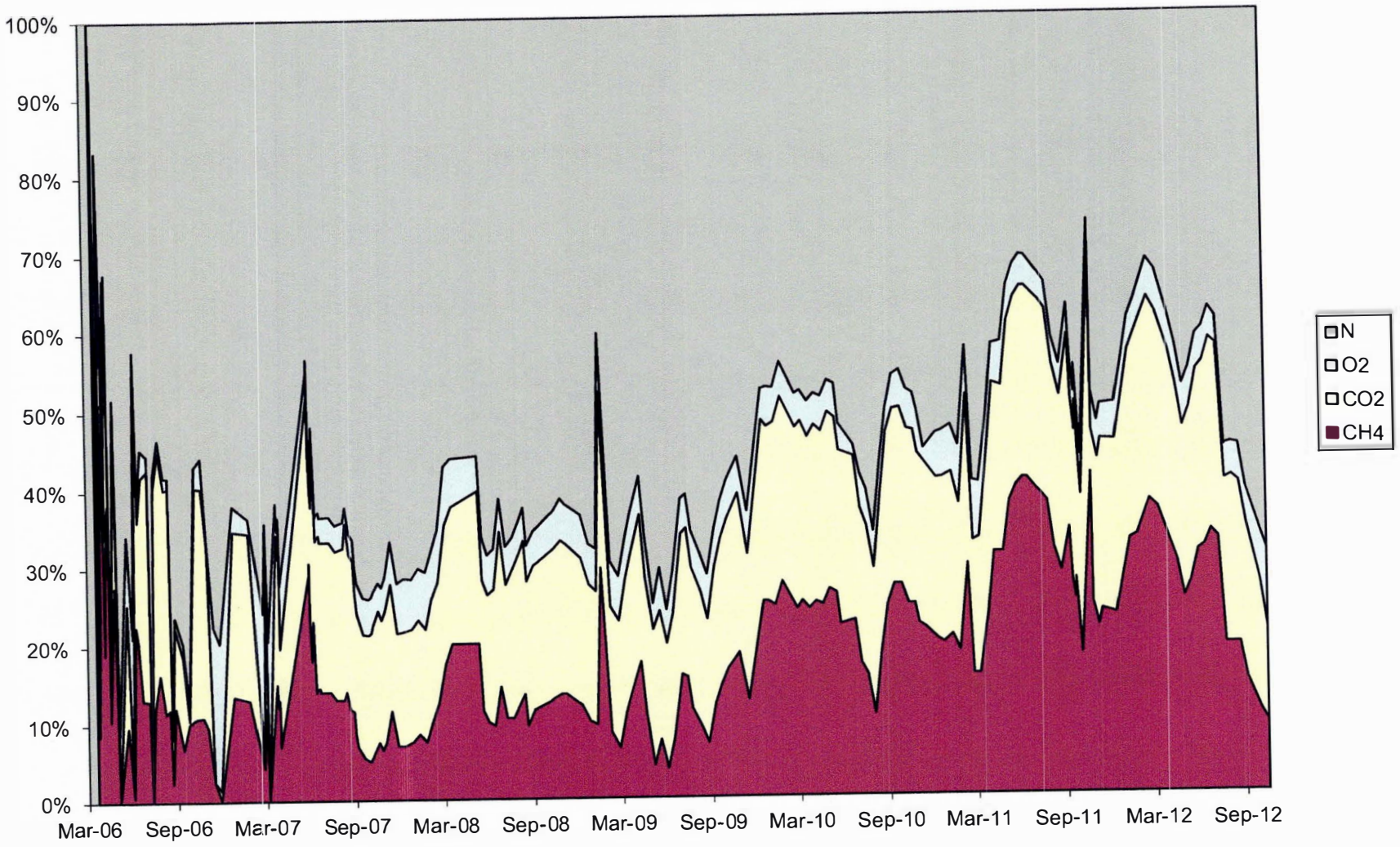


Chart 14: System Exhaust

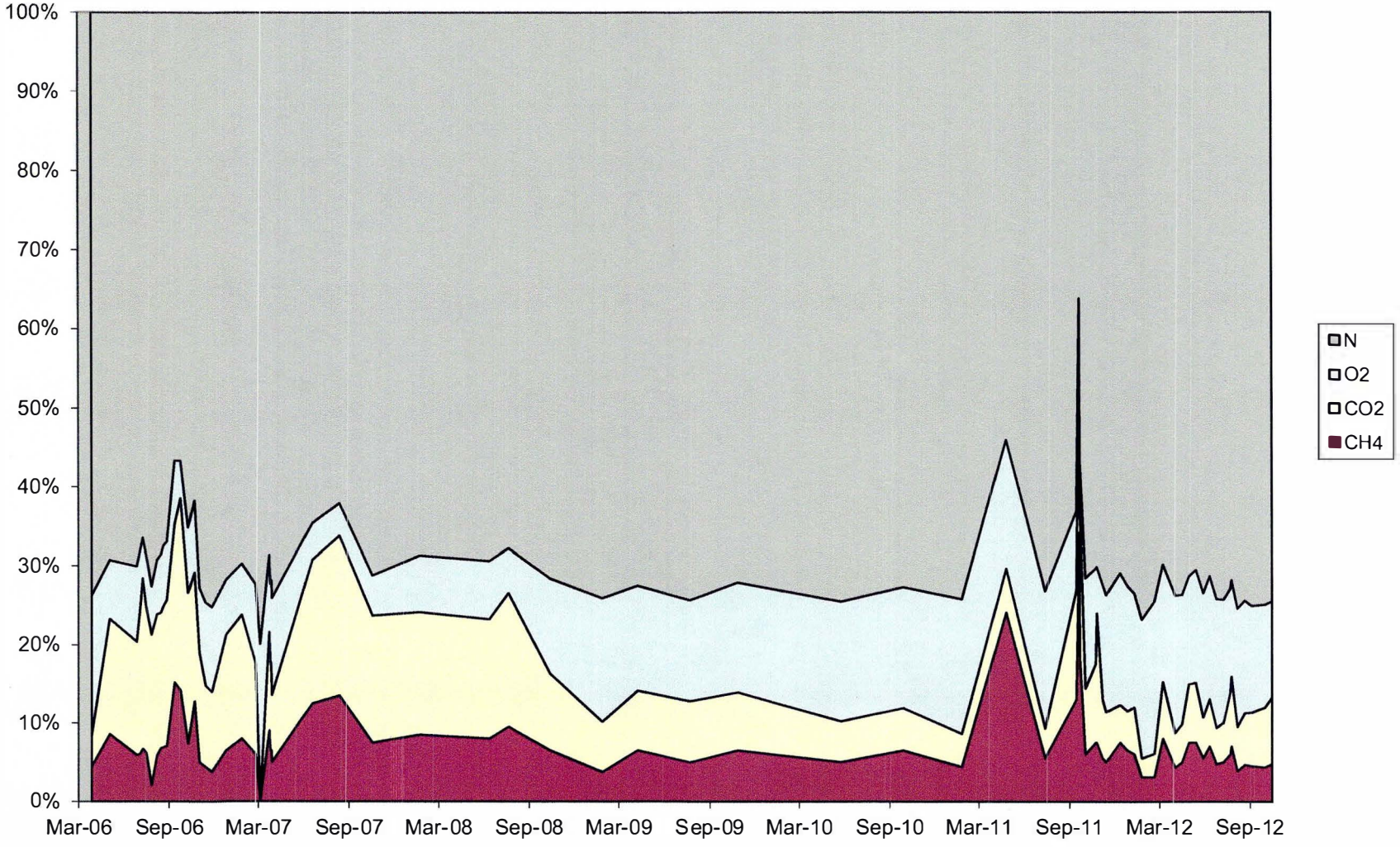


Chart 15: GP-1 Gas Concentrations

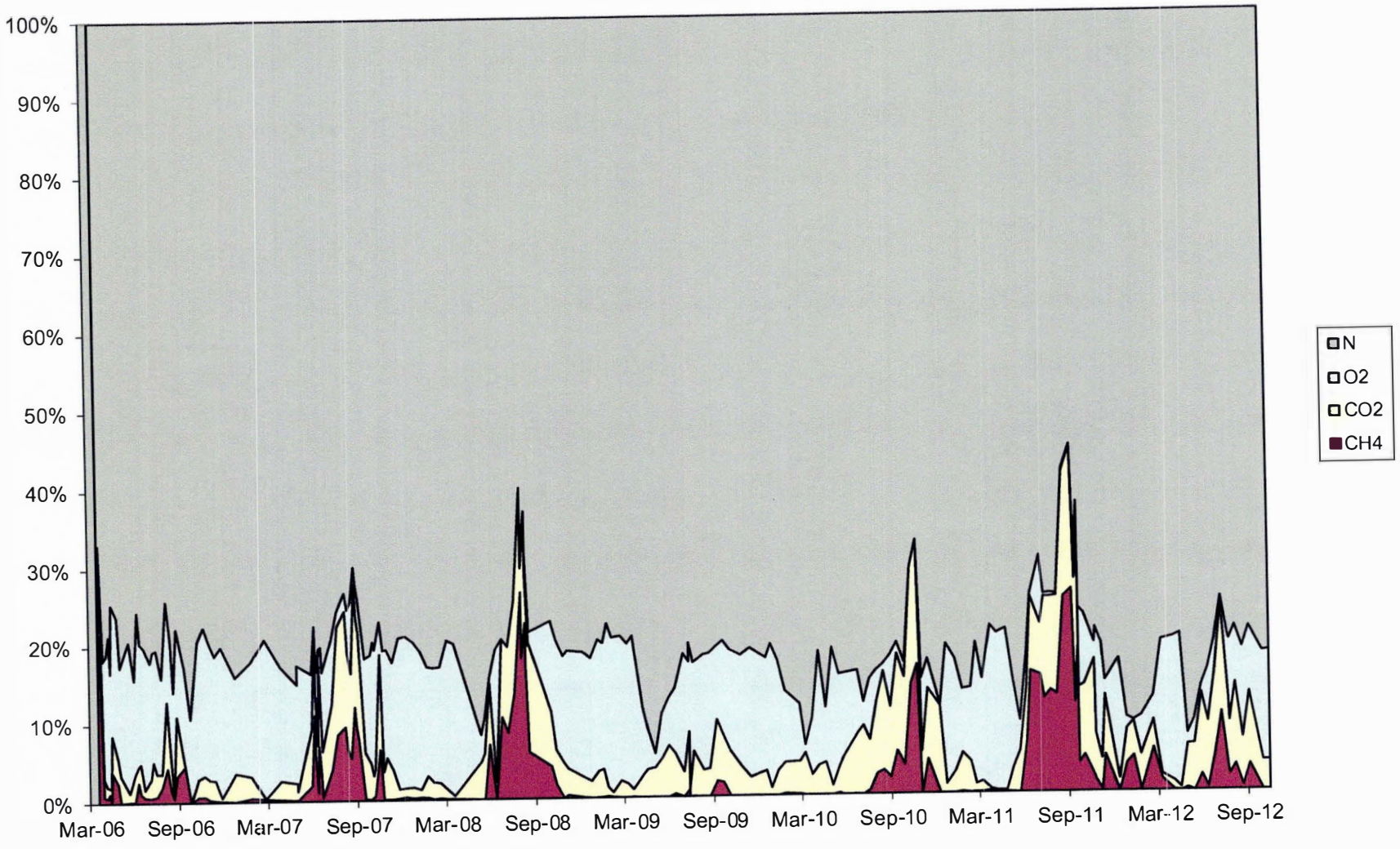


Chart 16: GP-2 Gas Concentrations

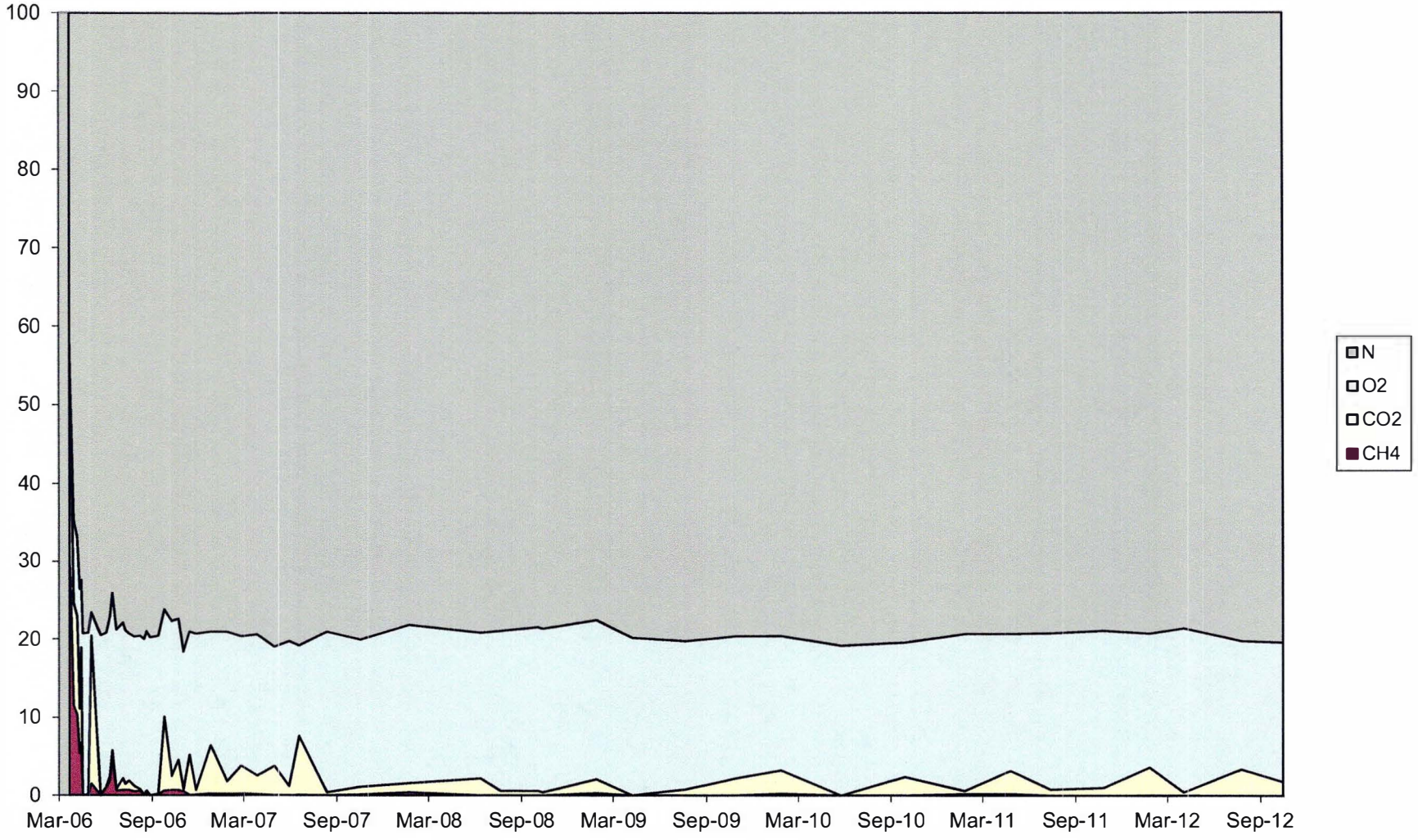


Chart 17: GP-3 Gas Concentrations

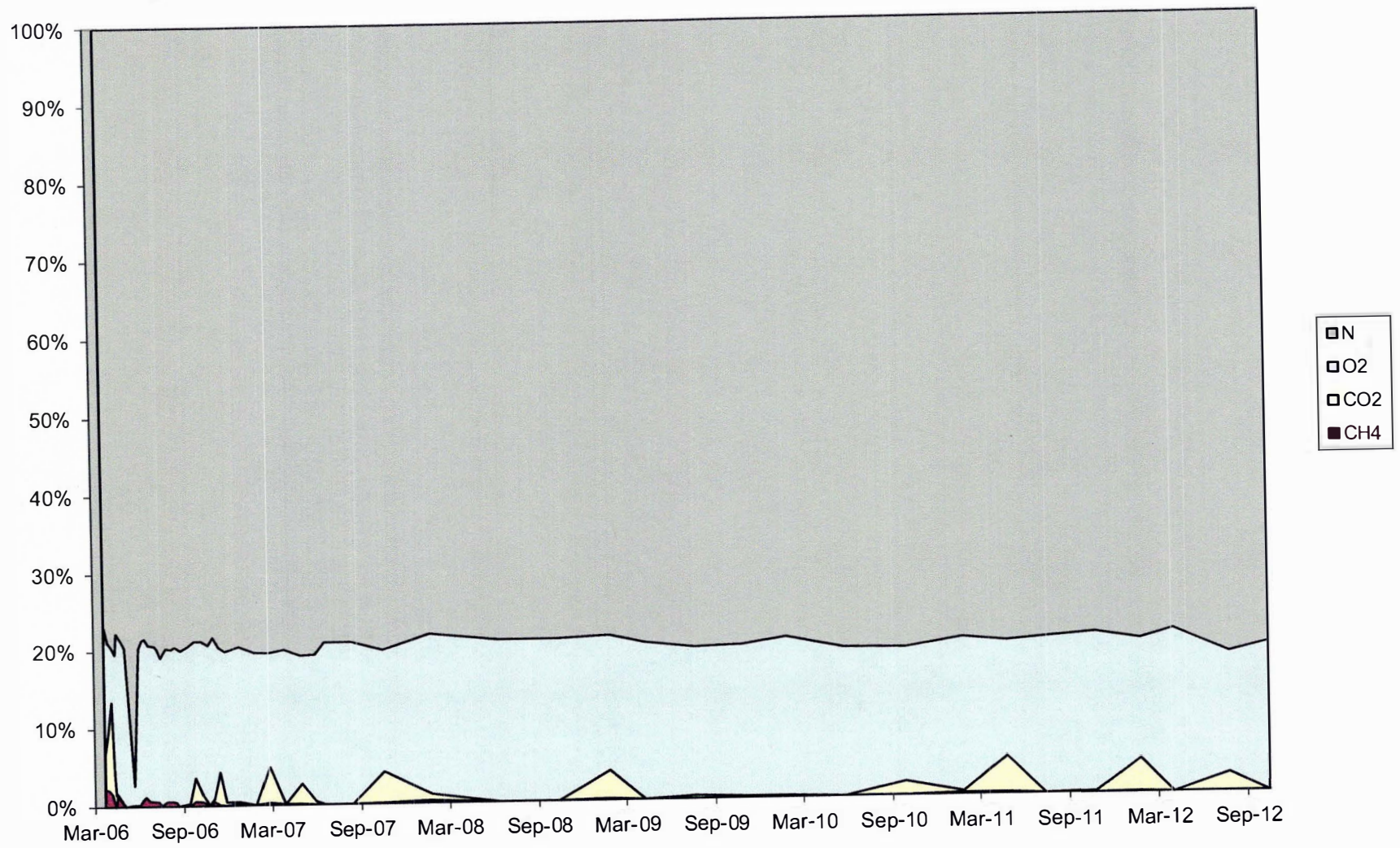


Chart 18: GP-4 Gas Concentrations

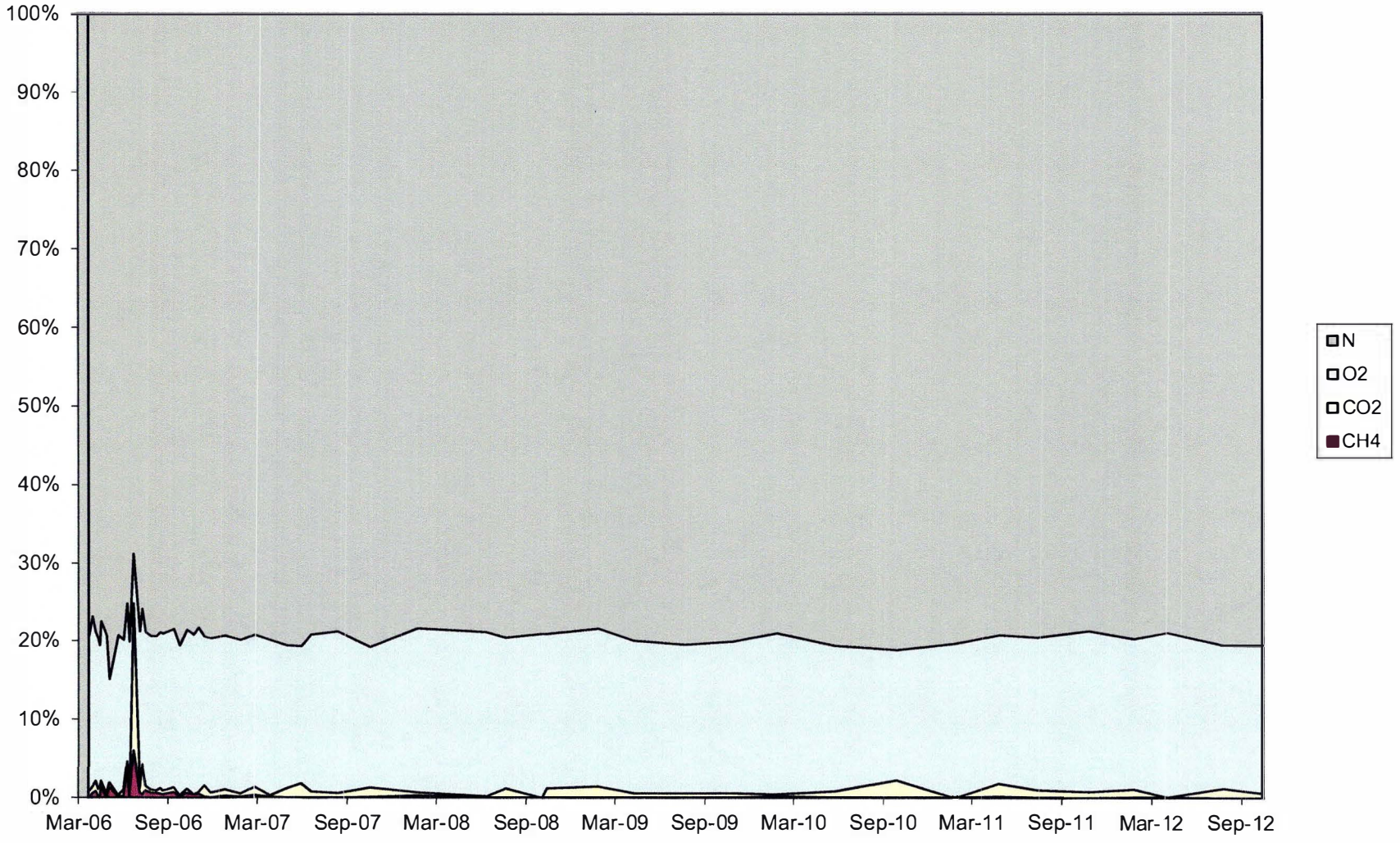


Chart 19: GP-5 Gas Concentrations

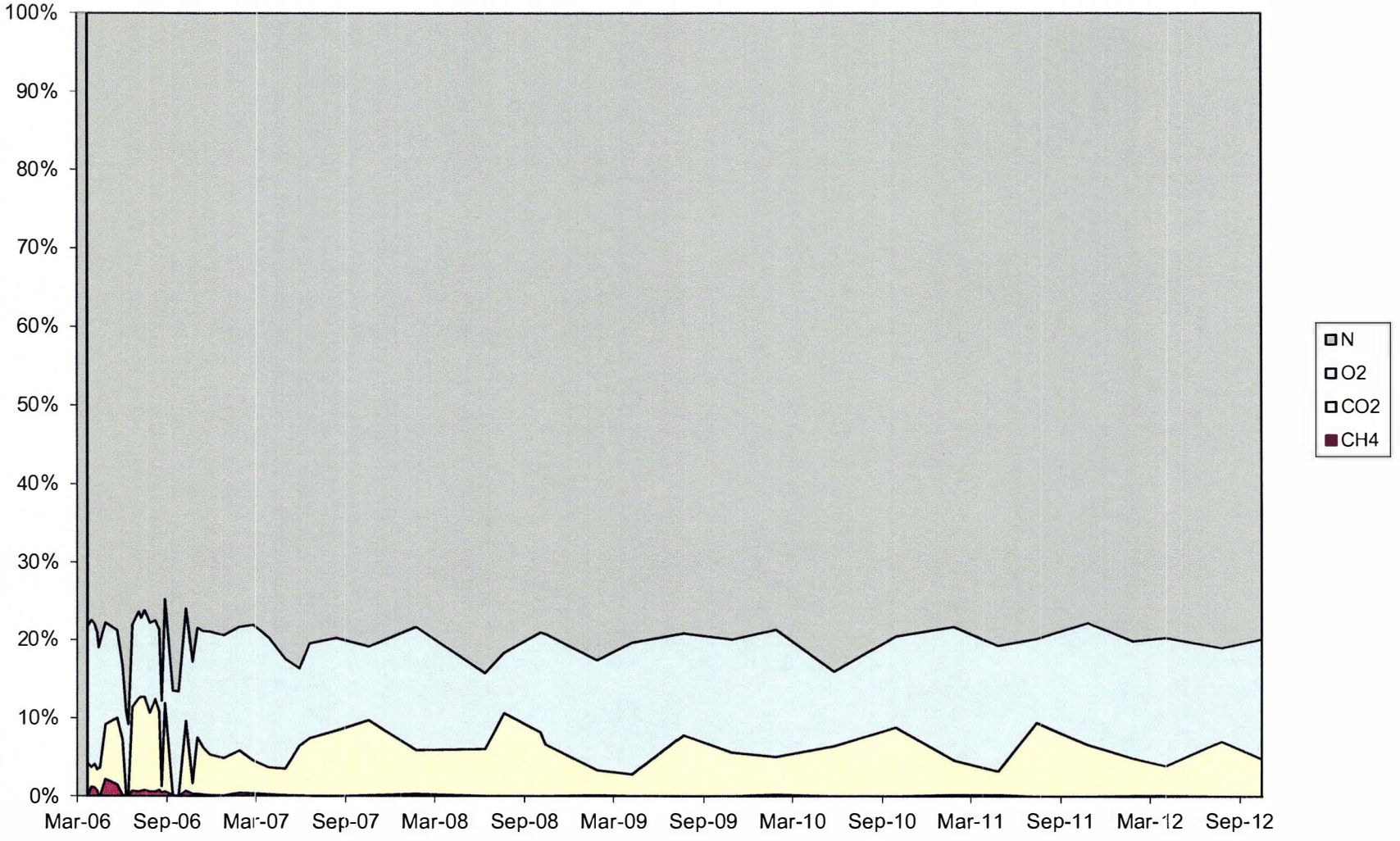


Chart 20: GP-6 Gas Concentrations

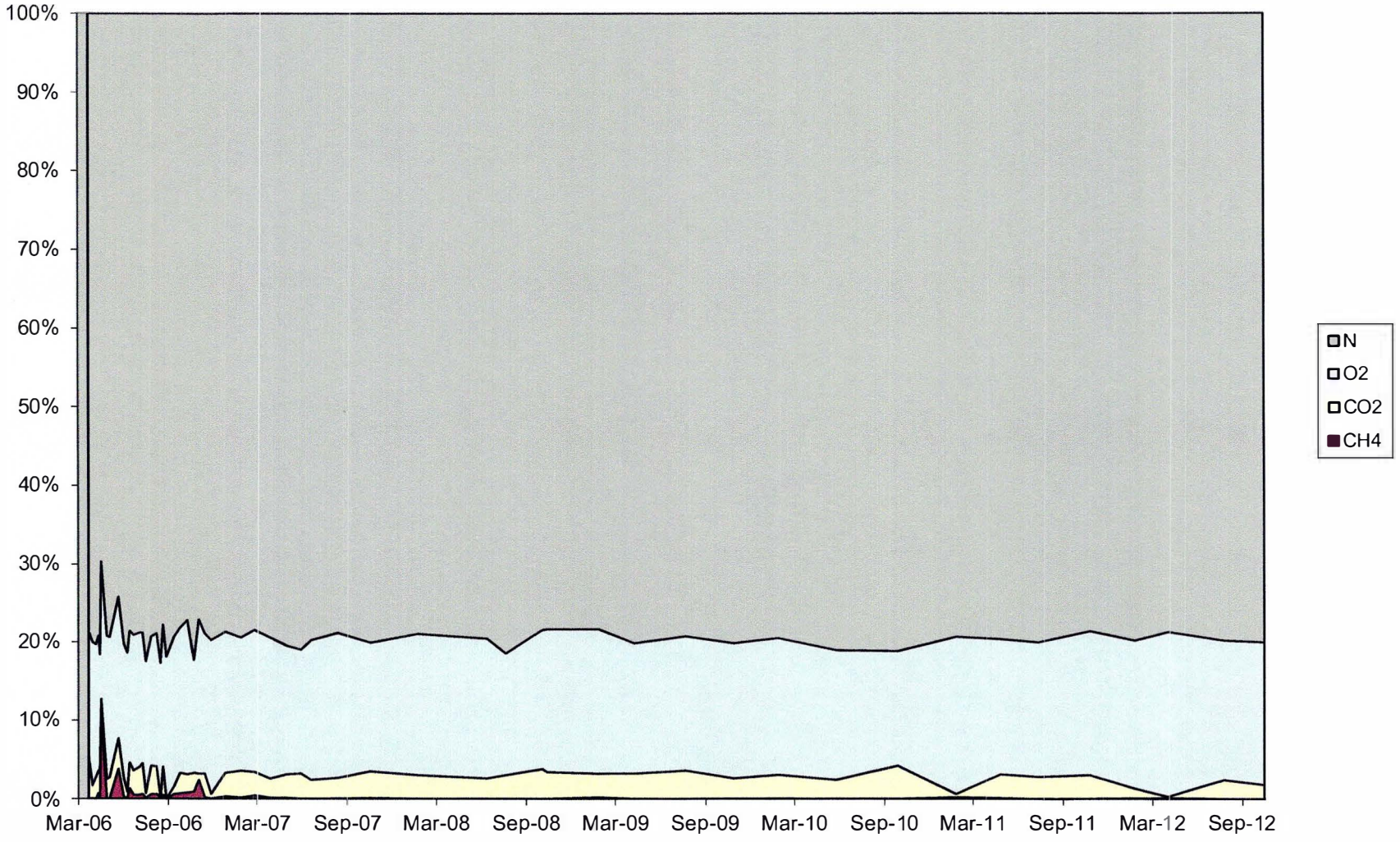


Chart 21: GP-7 Gas Concentrations

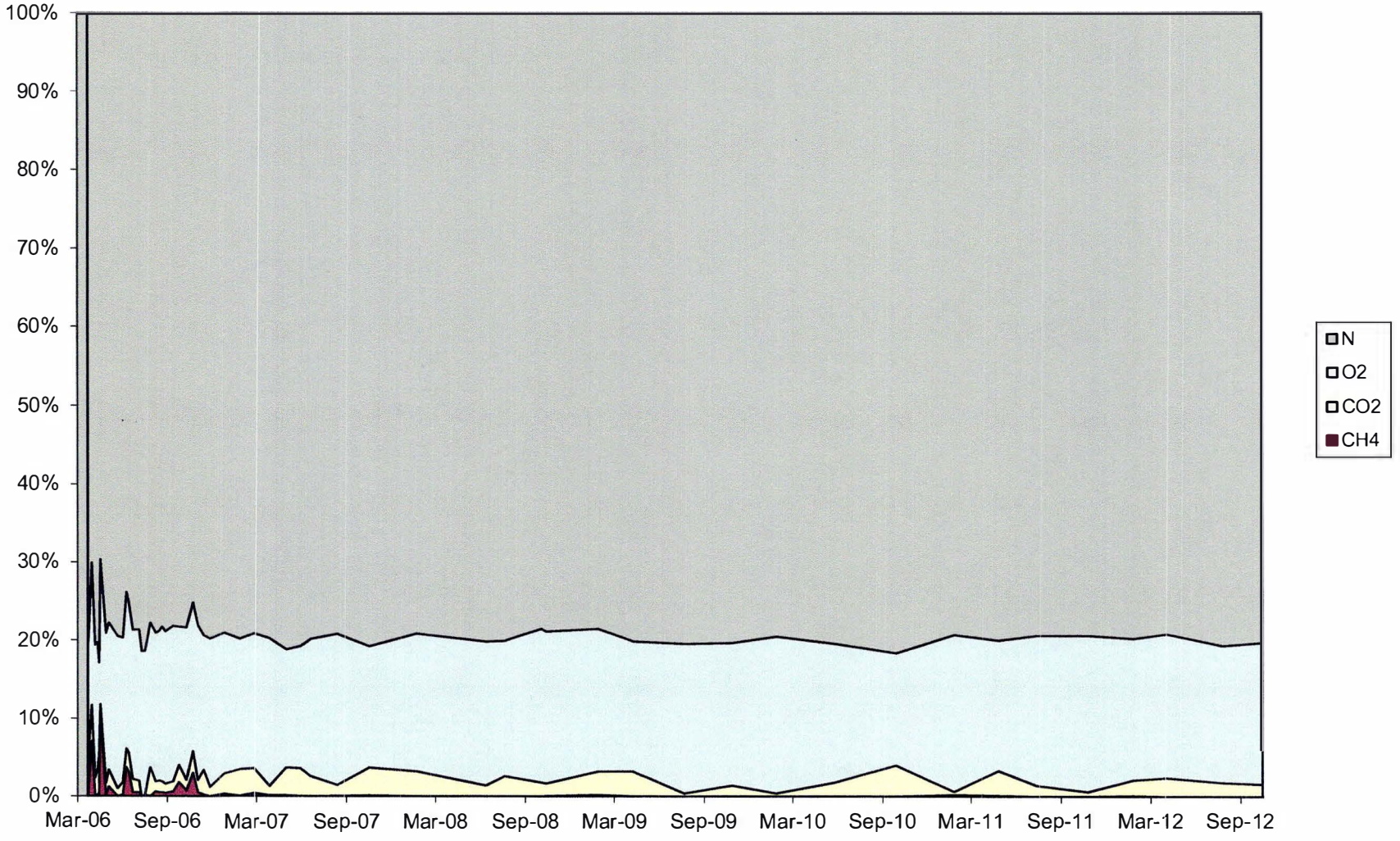


Chart 22: GP-8 Gas Concentrations

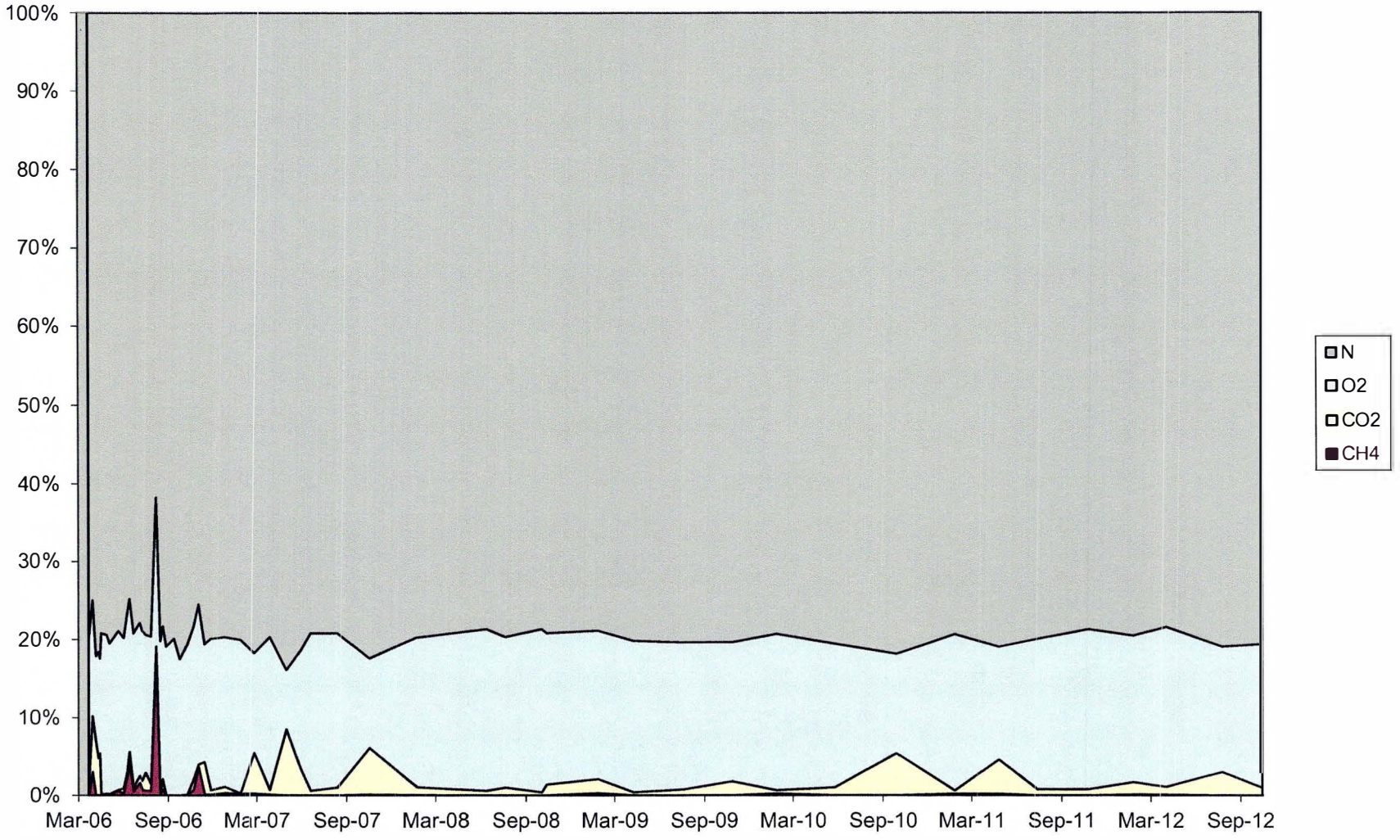


Chart 23: GP-10 Gas Concentrations

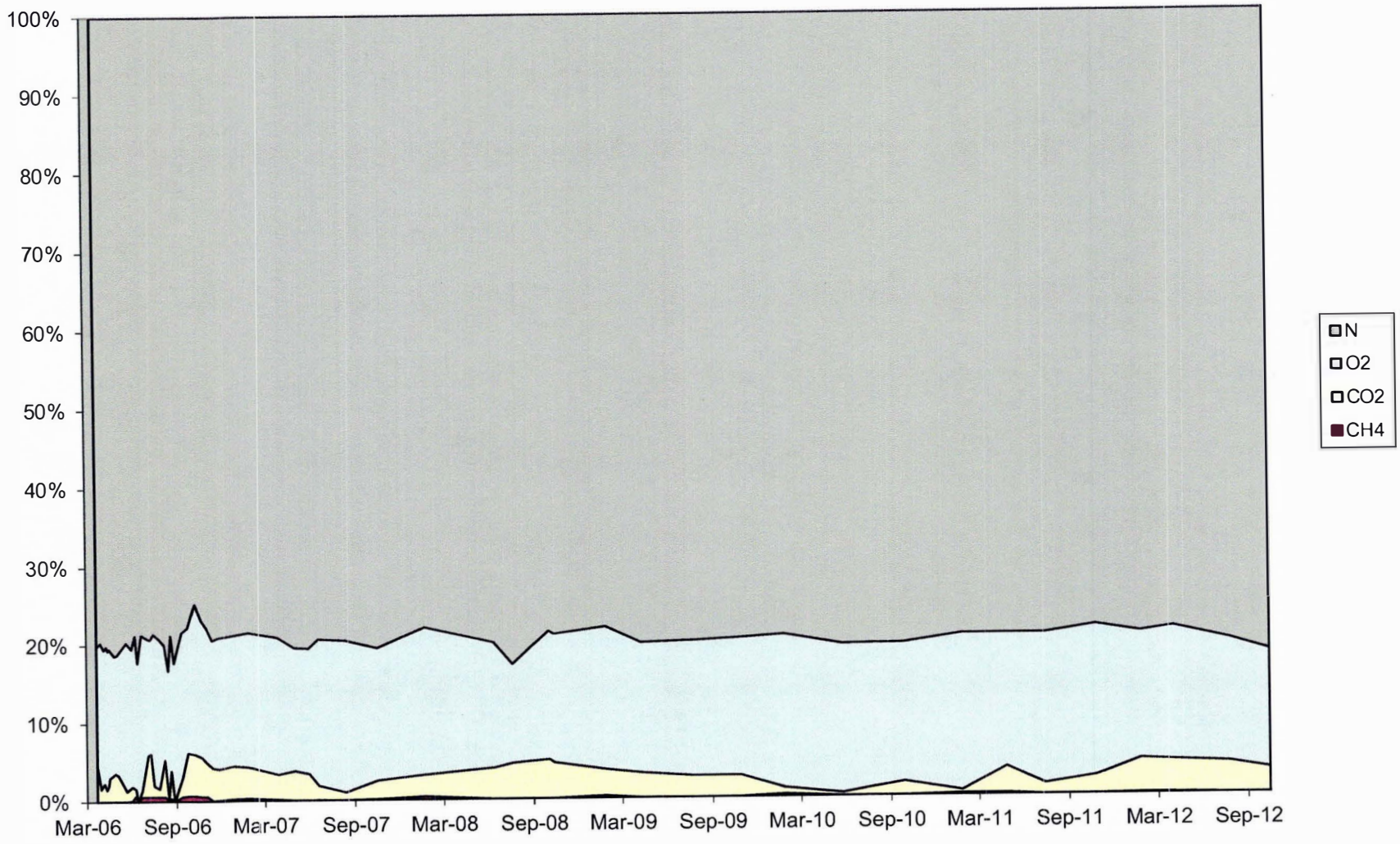


Chart 24: GP-11 Gas Concentrations

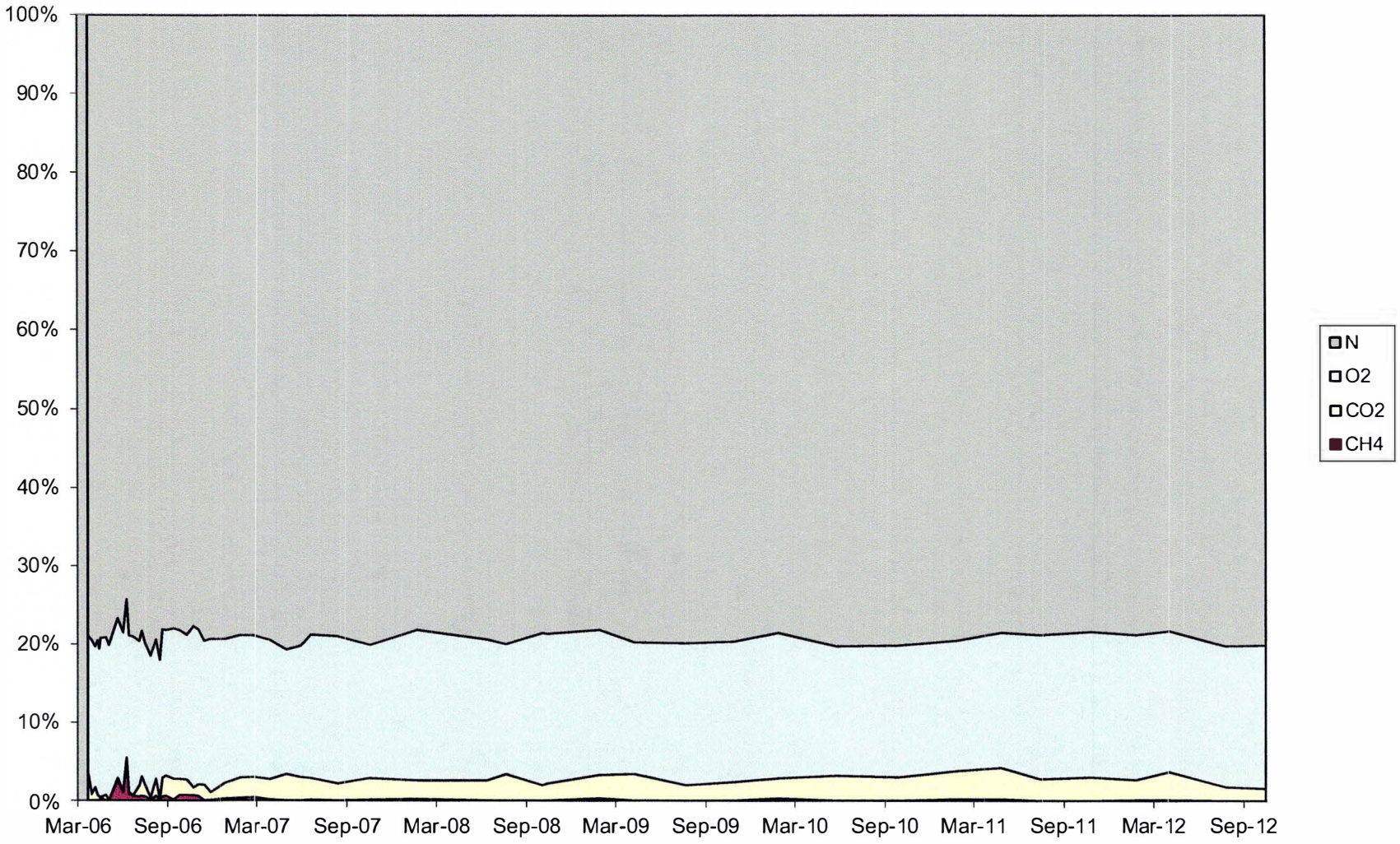


Chart 25: GP-12 Gas Concentrations

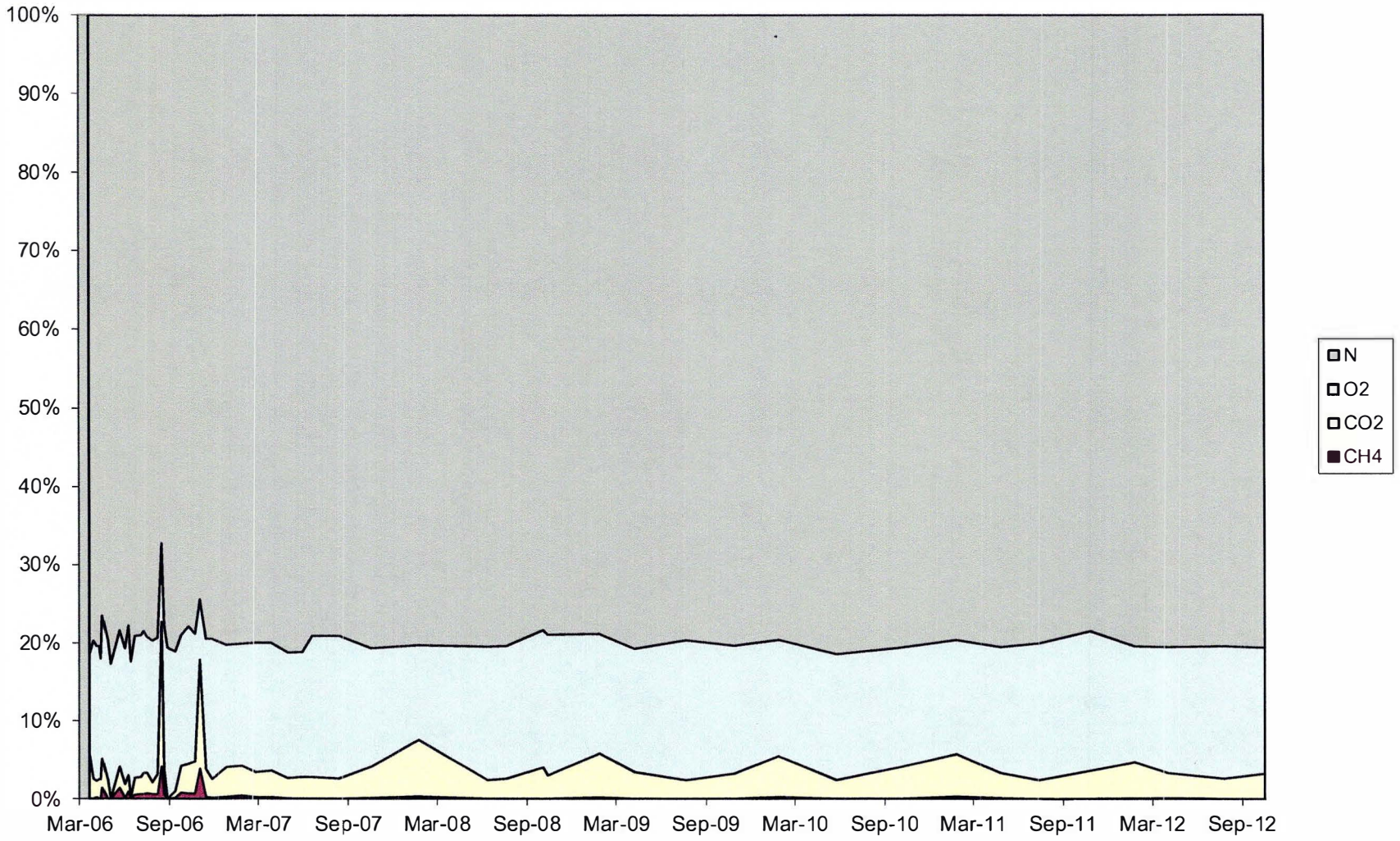


Chart 26: MW-101 Gas Concentrations

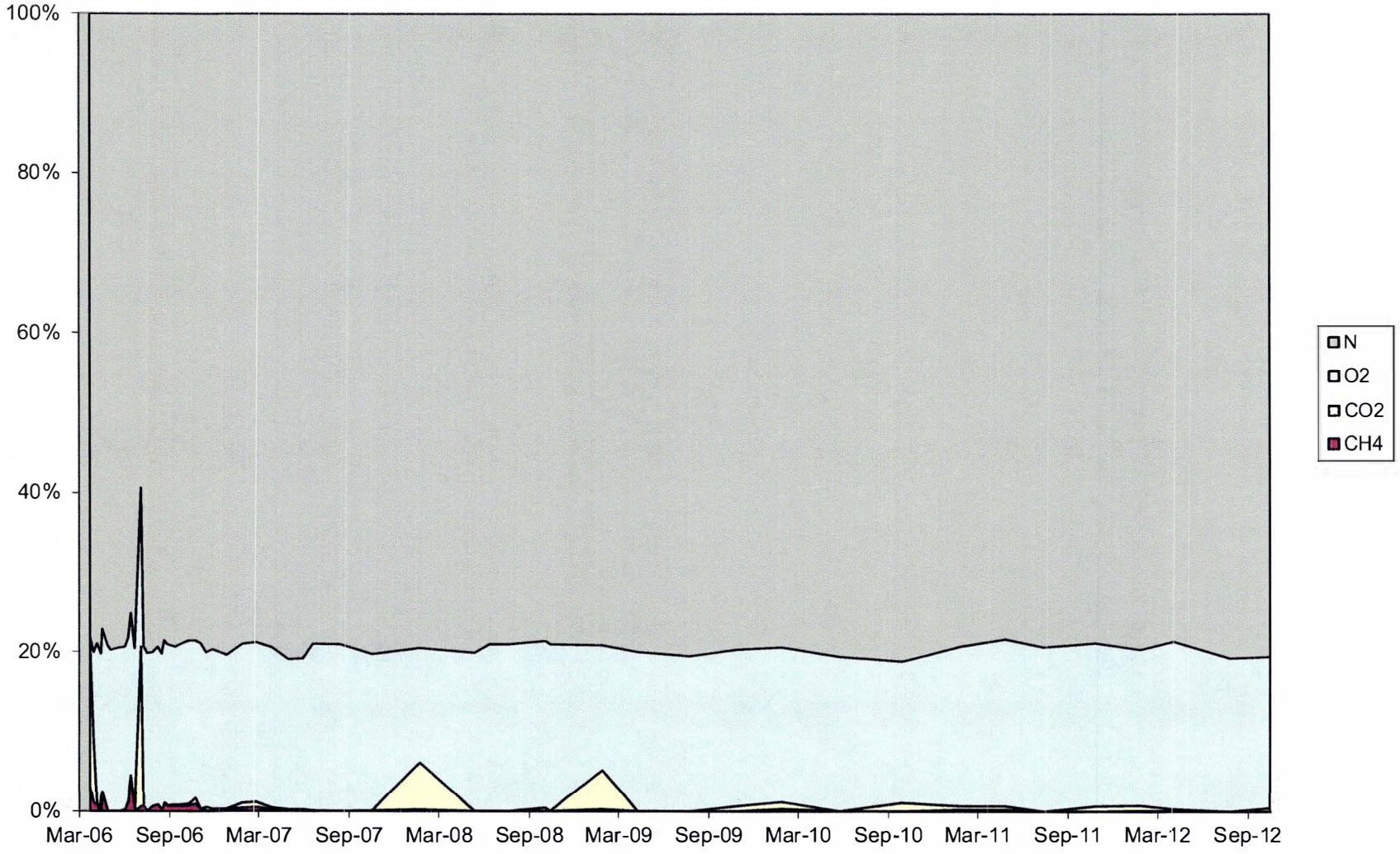


Chart 27: MW-102 Gas Concentrations

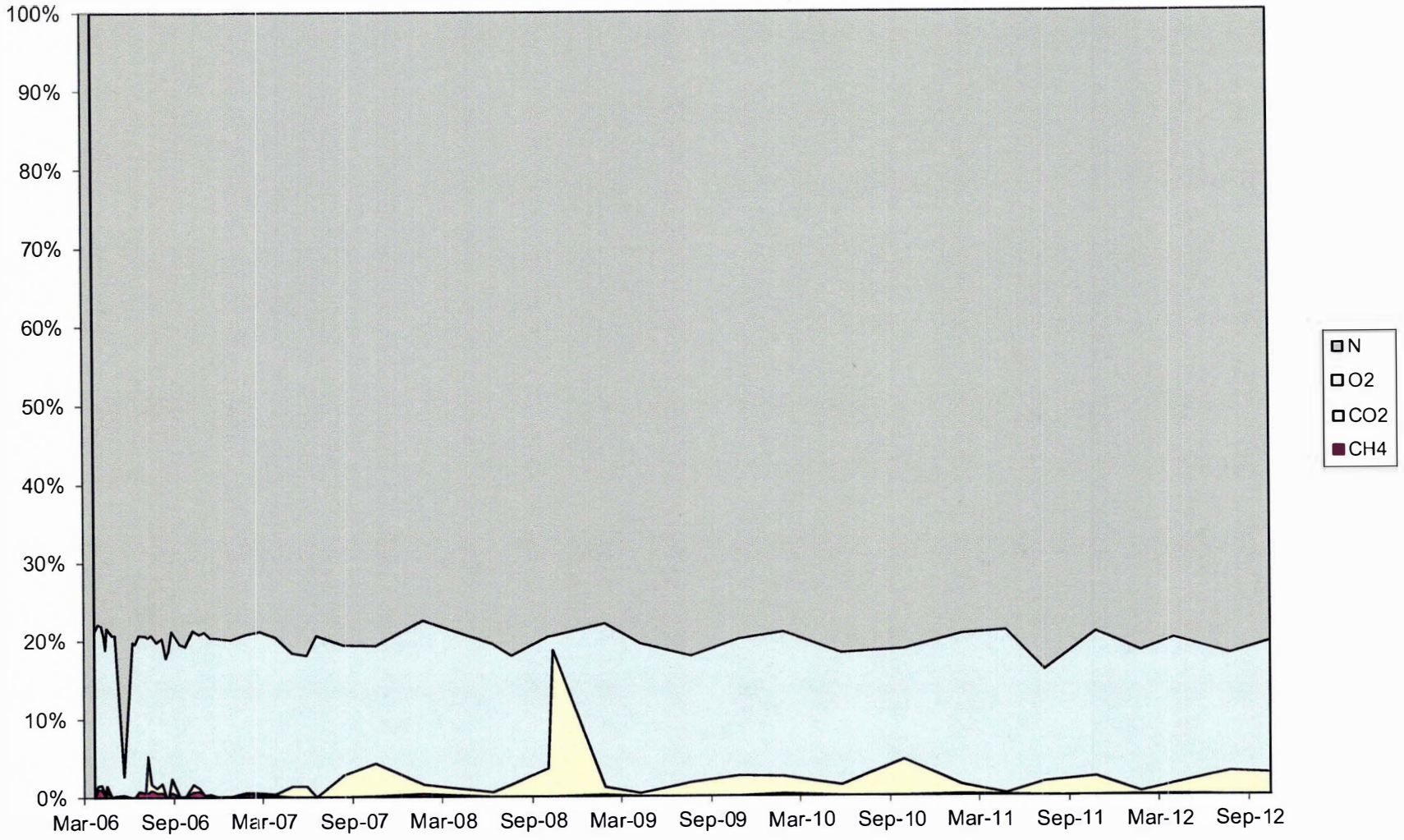


Chart 28: MW-103 Gas Concentrations

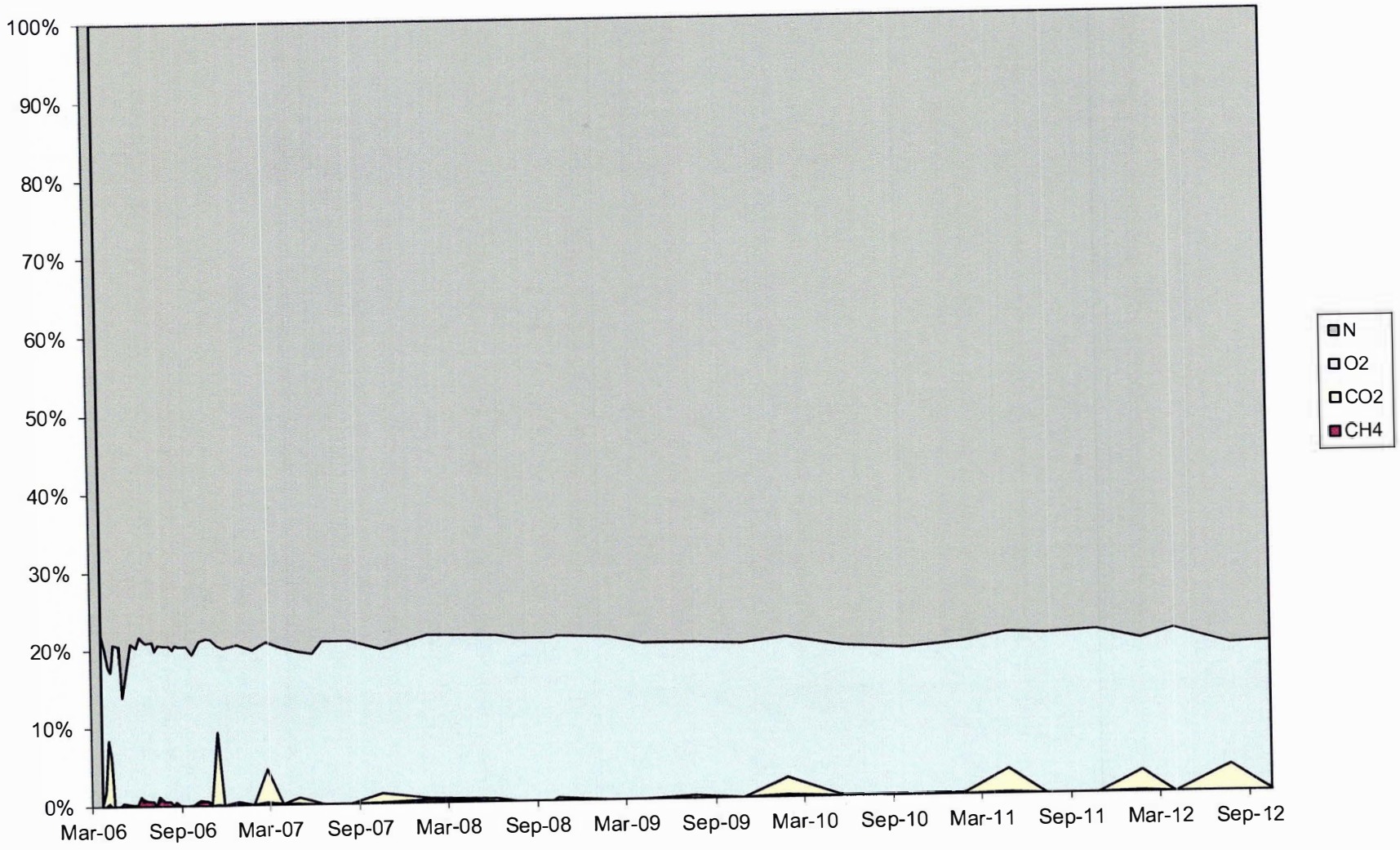


Chart 29: MW-104 Gas Concentrations

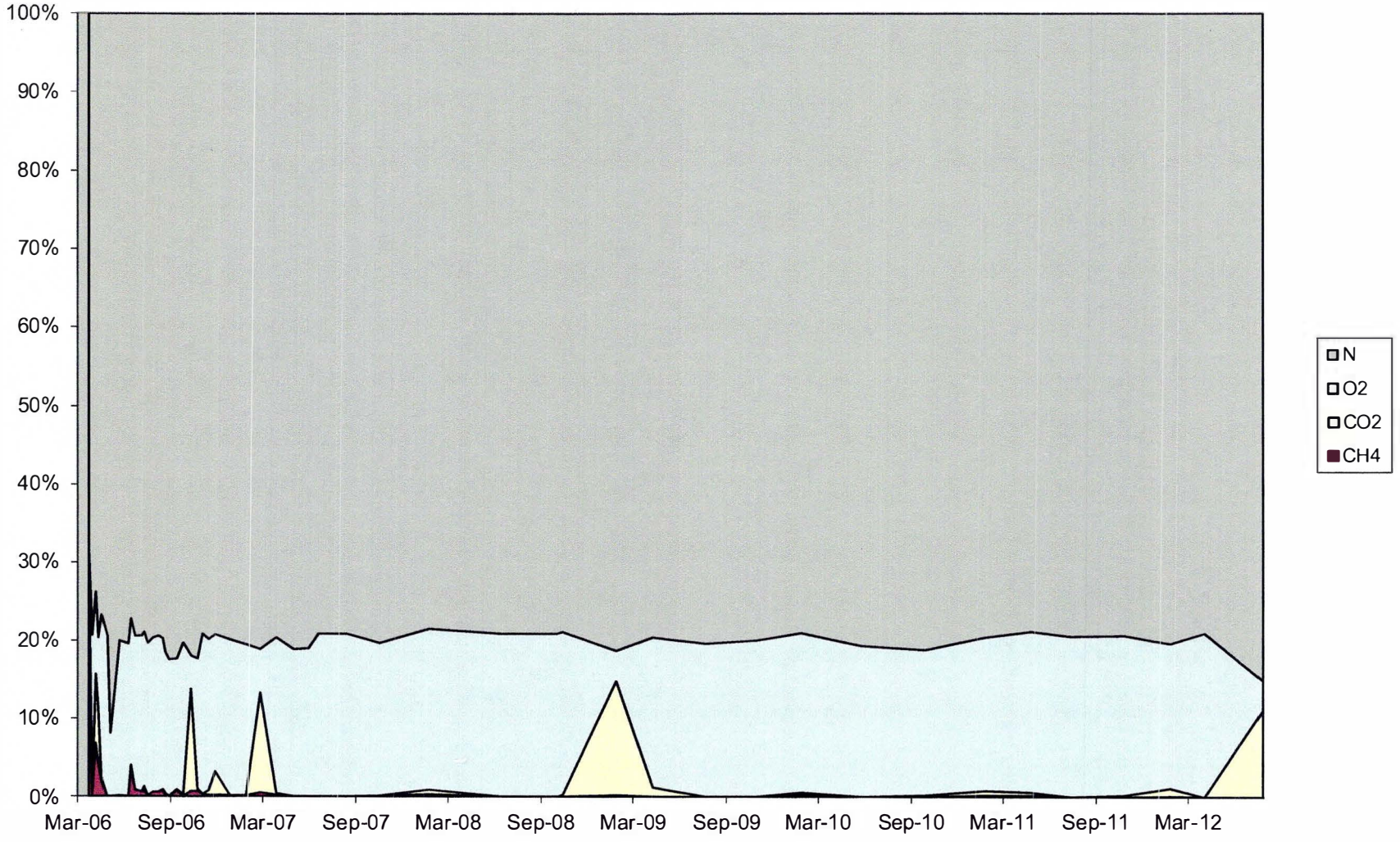


Chart 30: Barometric Pressure
(Weather Station: Ripon, WI)

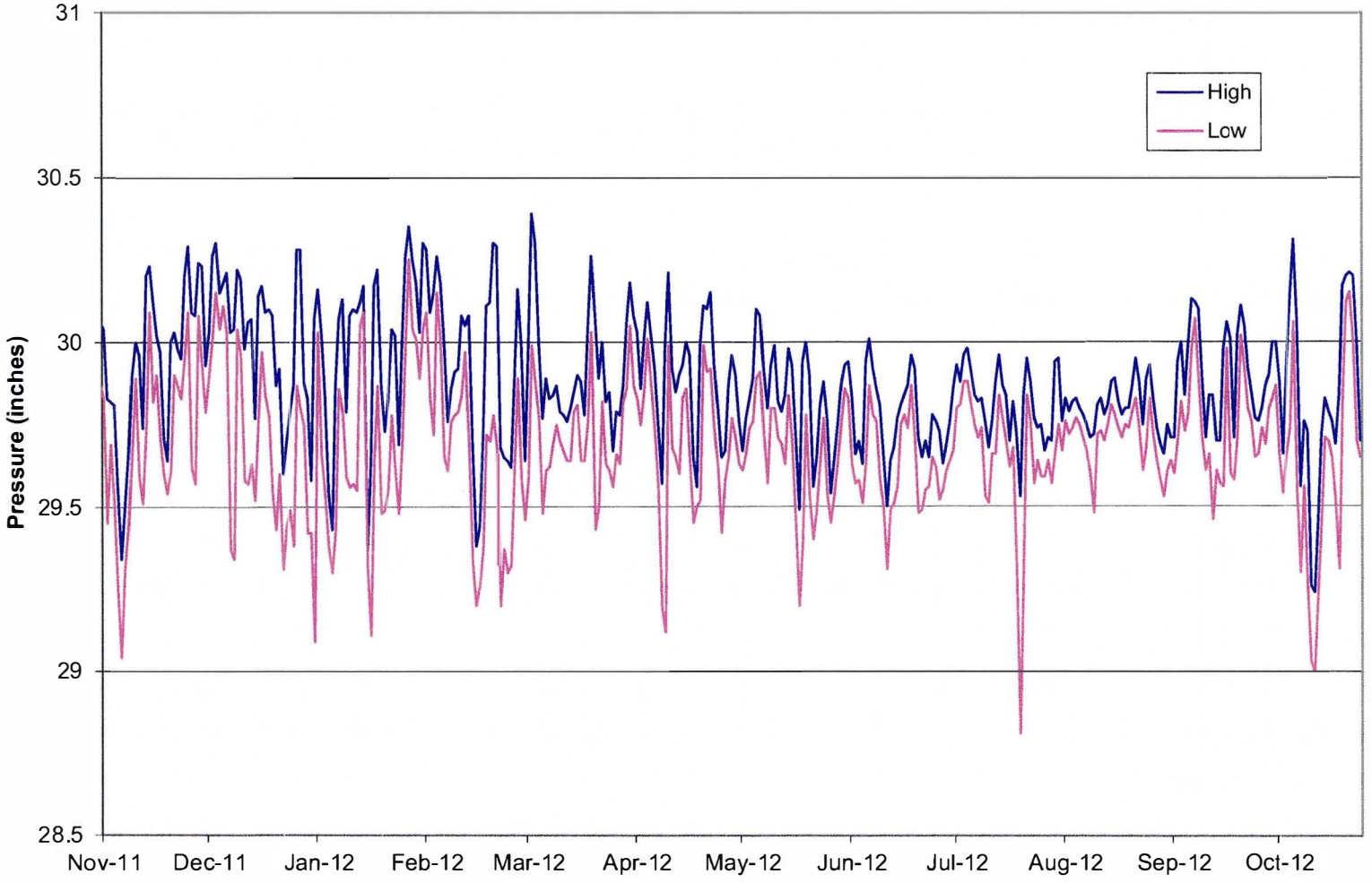


Chart 31: LC-1
Total Gas VOCs

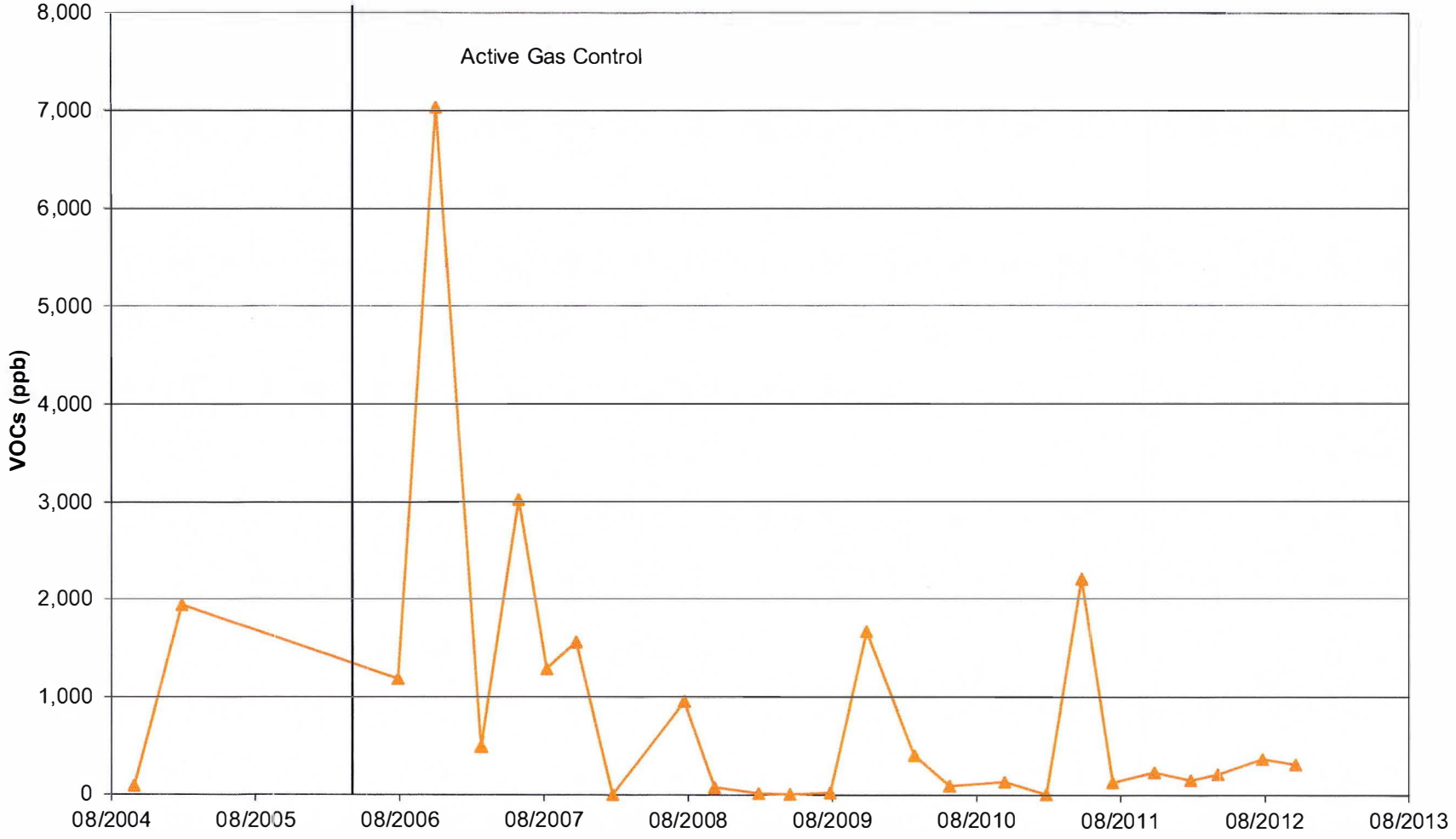


Chart 32: LC-2
Total Gas VOCs

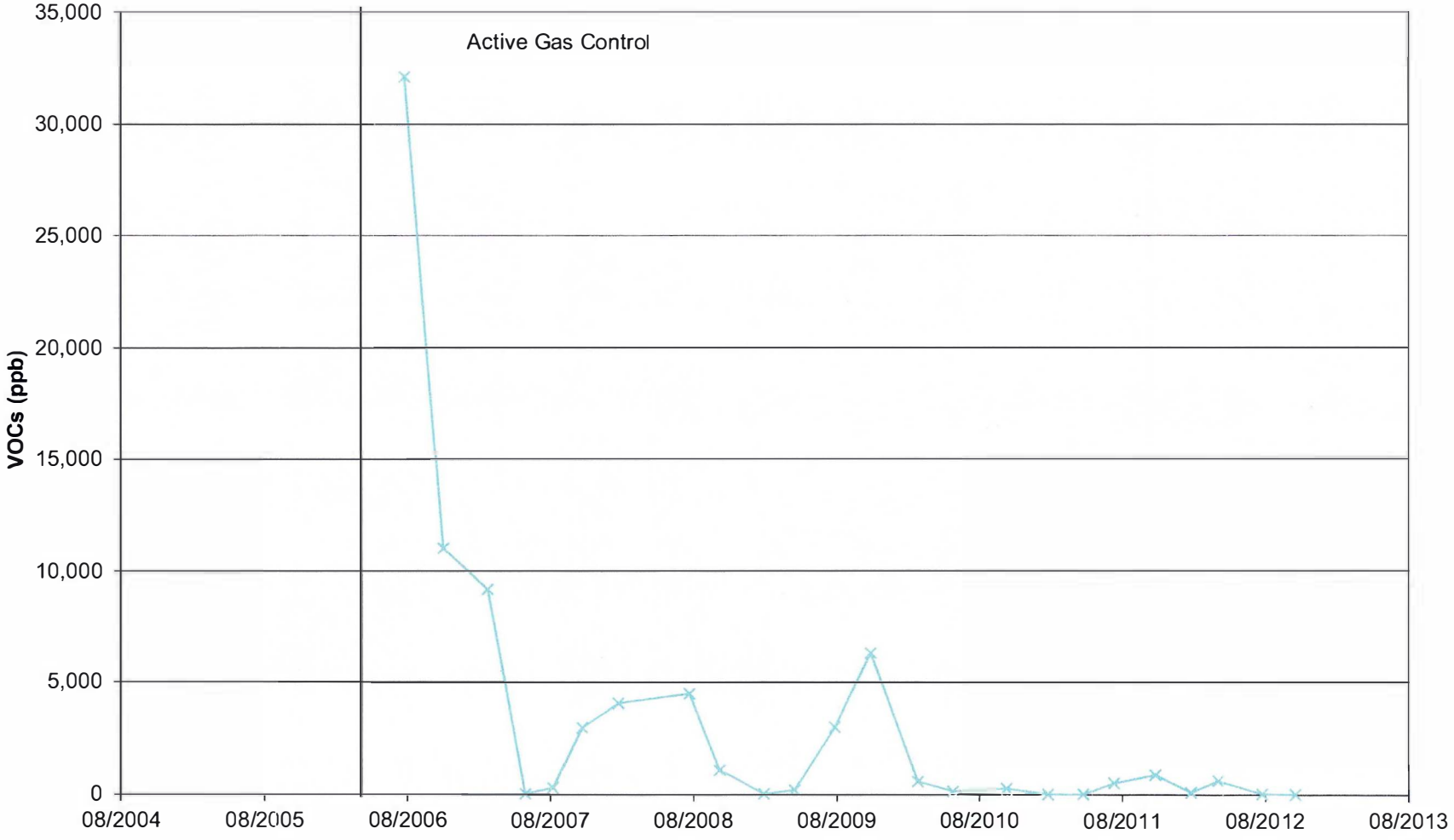


Chart 33: LC-3
Total Gas VOCs

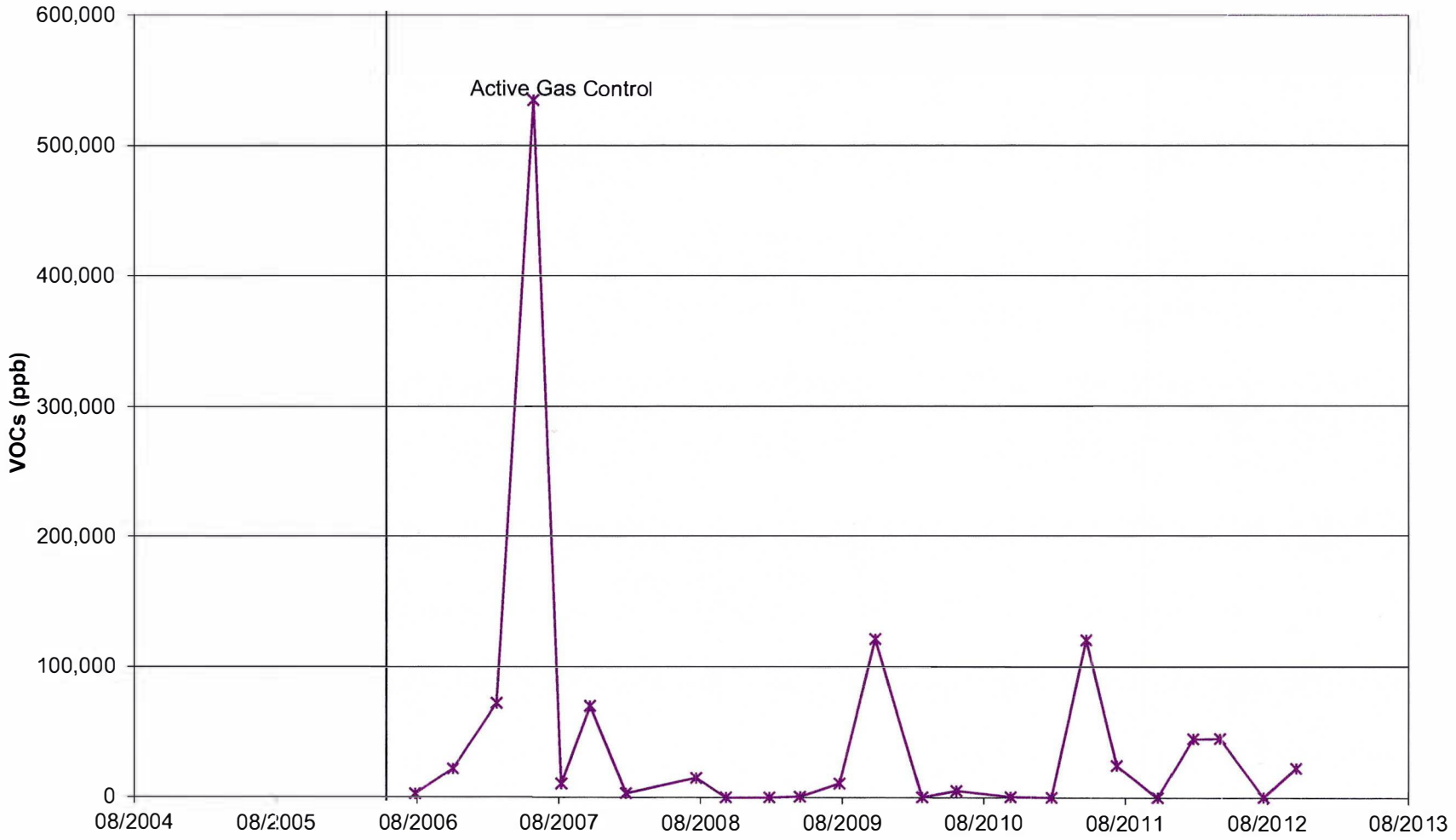


Chart 34: GV-6
Total Gas VOCs

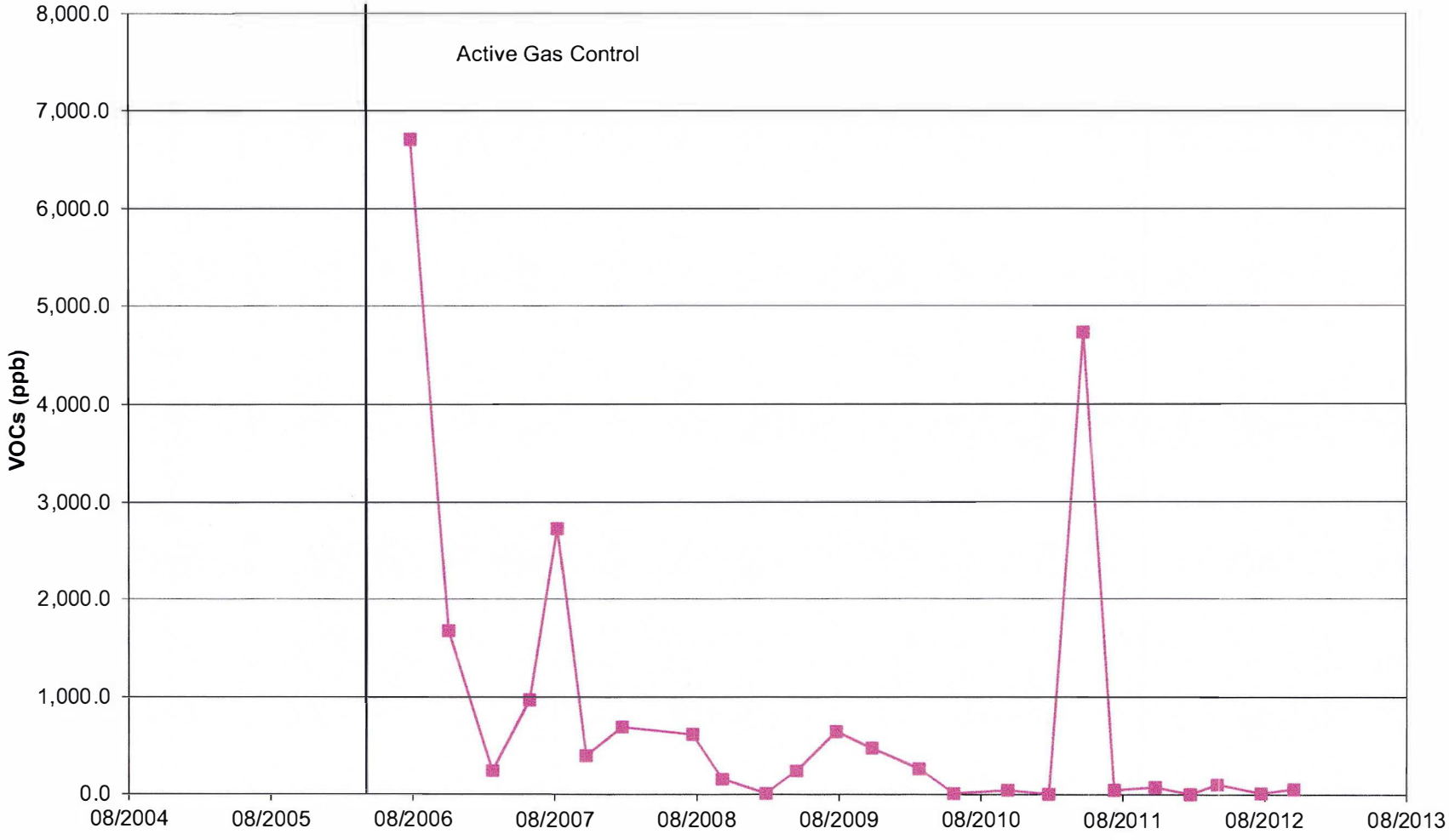


Chart 35: GP-3
Total Gas VOCs

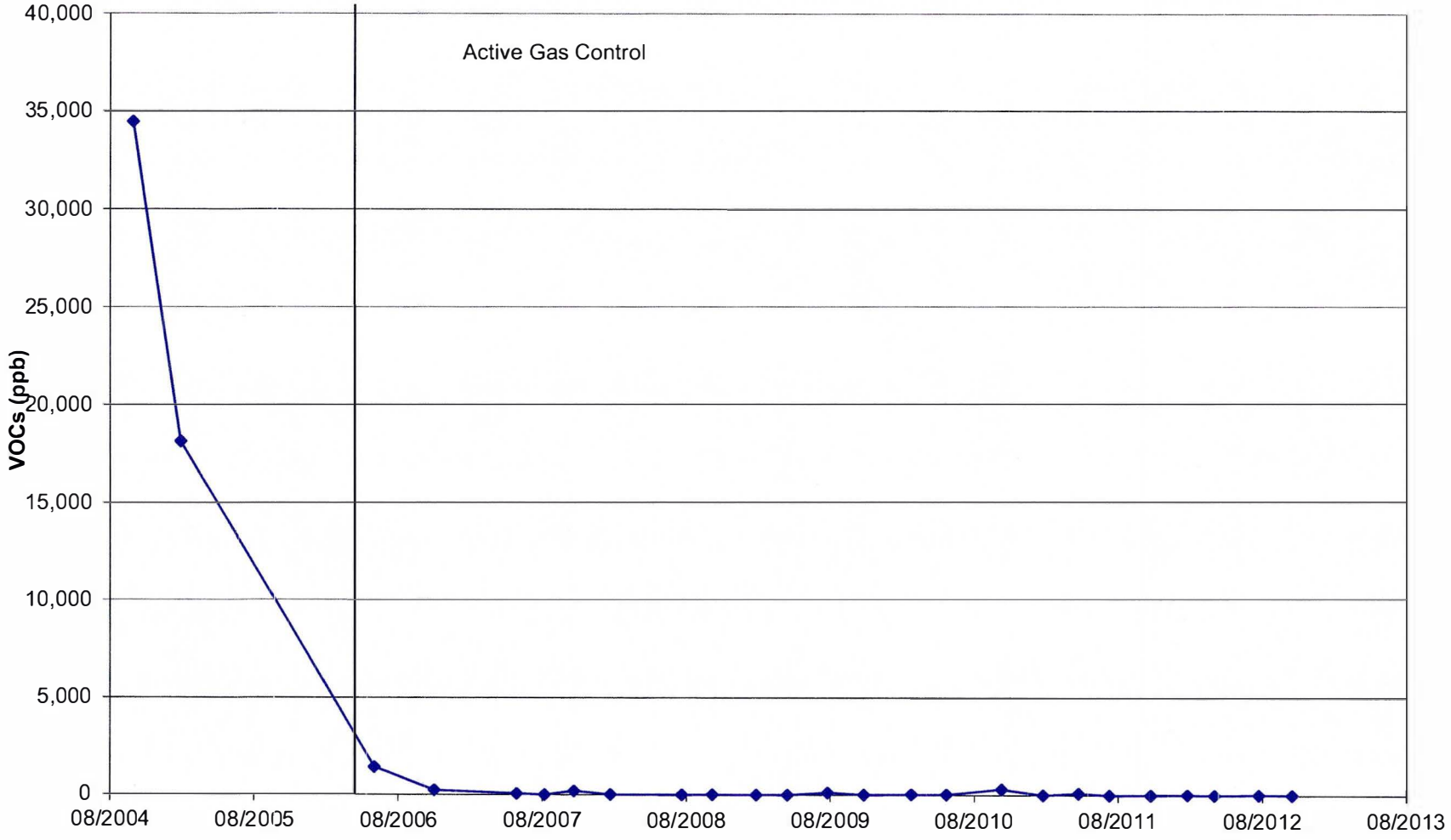
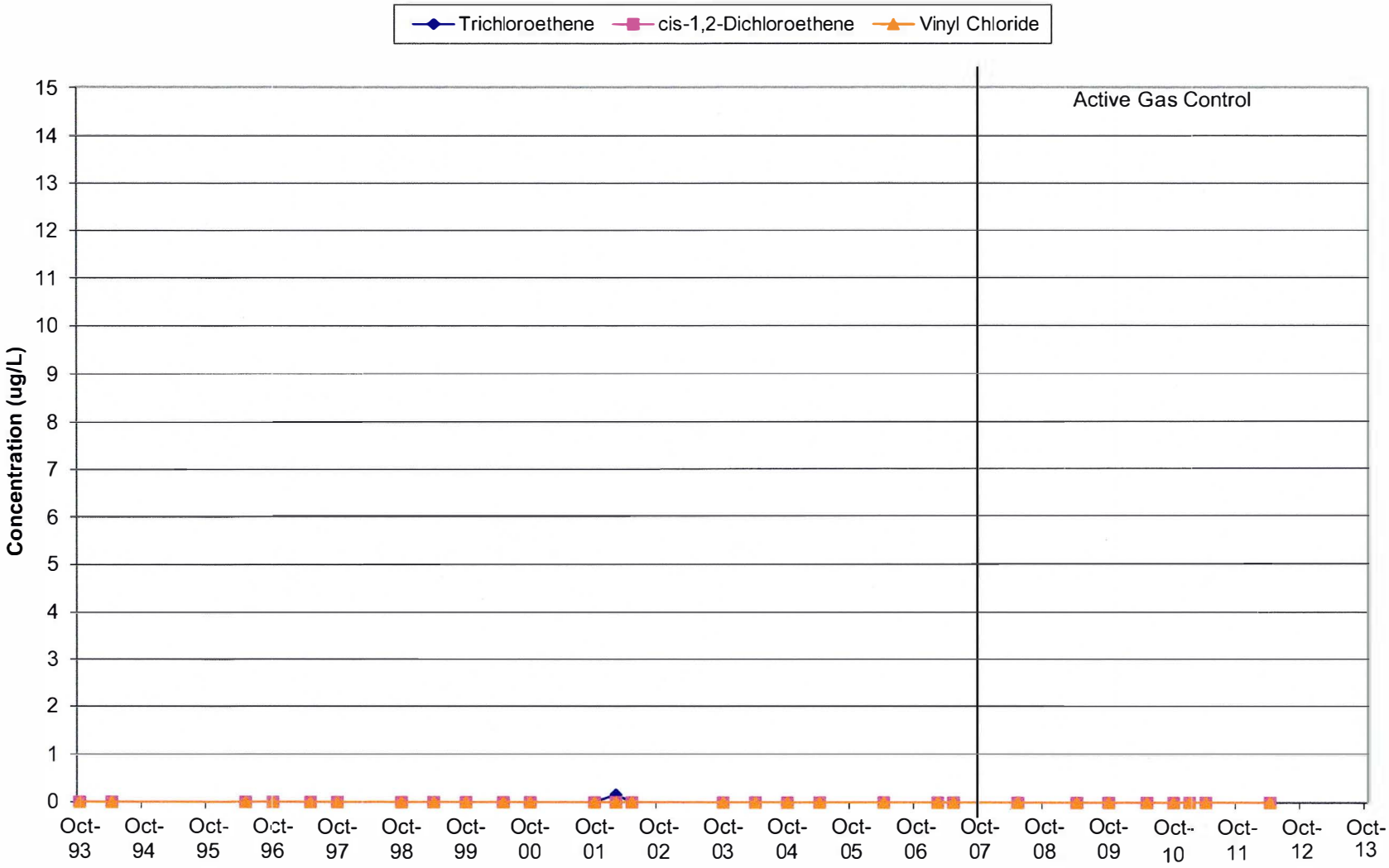


Chart 36: MW-101
Layer 1 Well

Upgradient



Side gradient

Chart 37: MW-102
Layer 1 Well

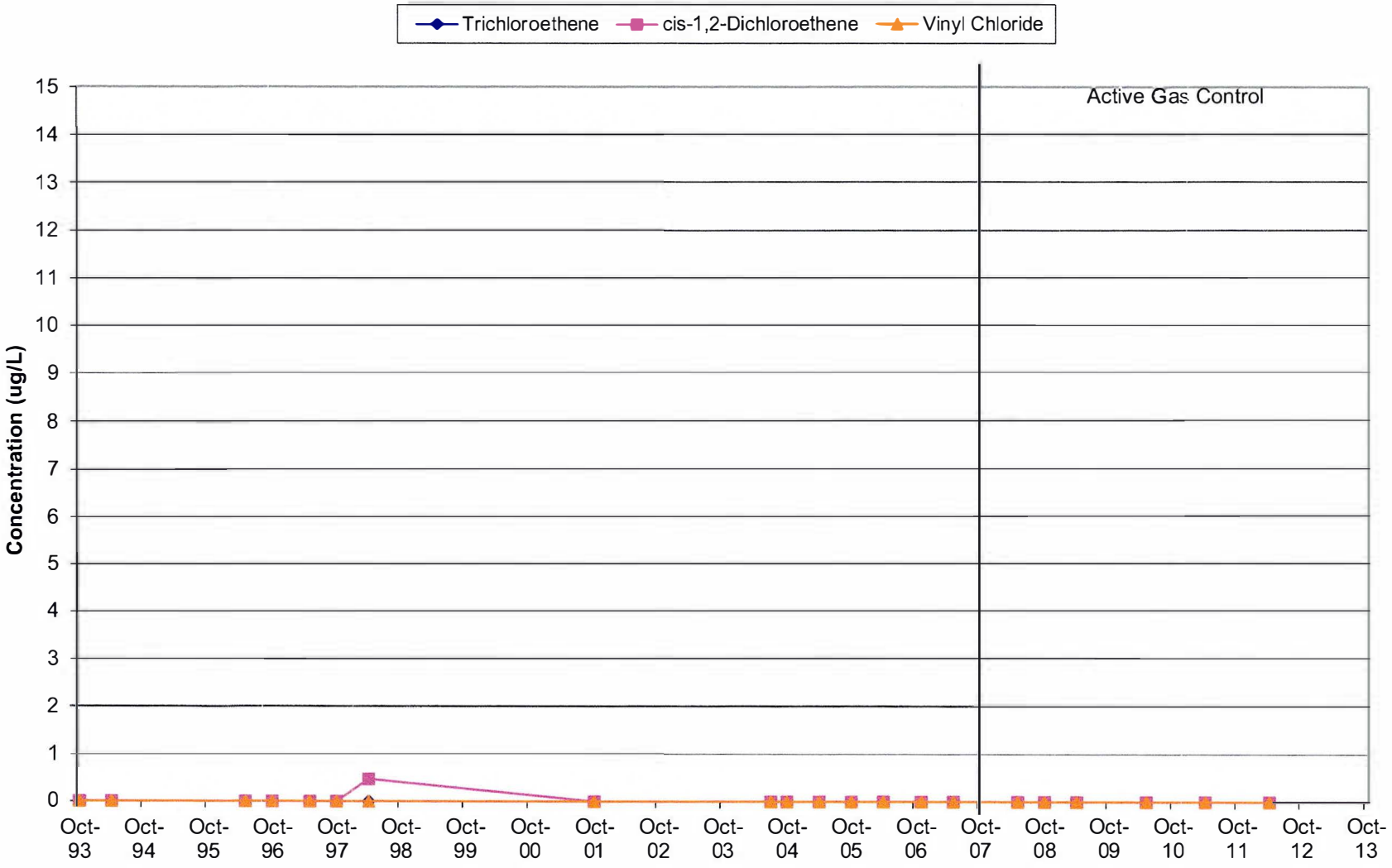


Chart 38: MW-103
Layer 1 Well

10' Down gradient

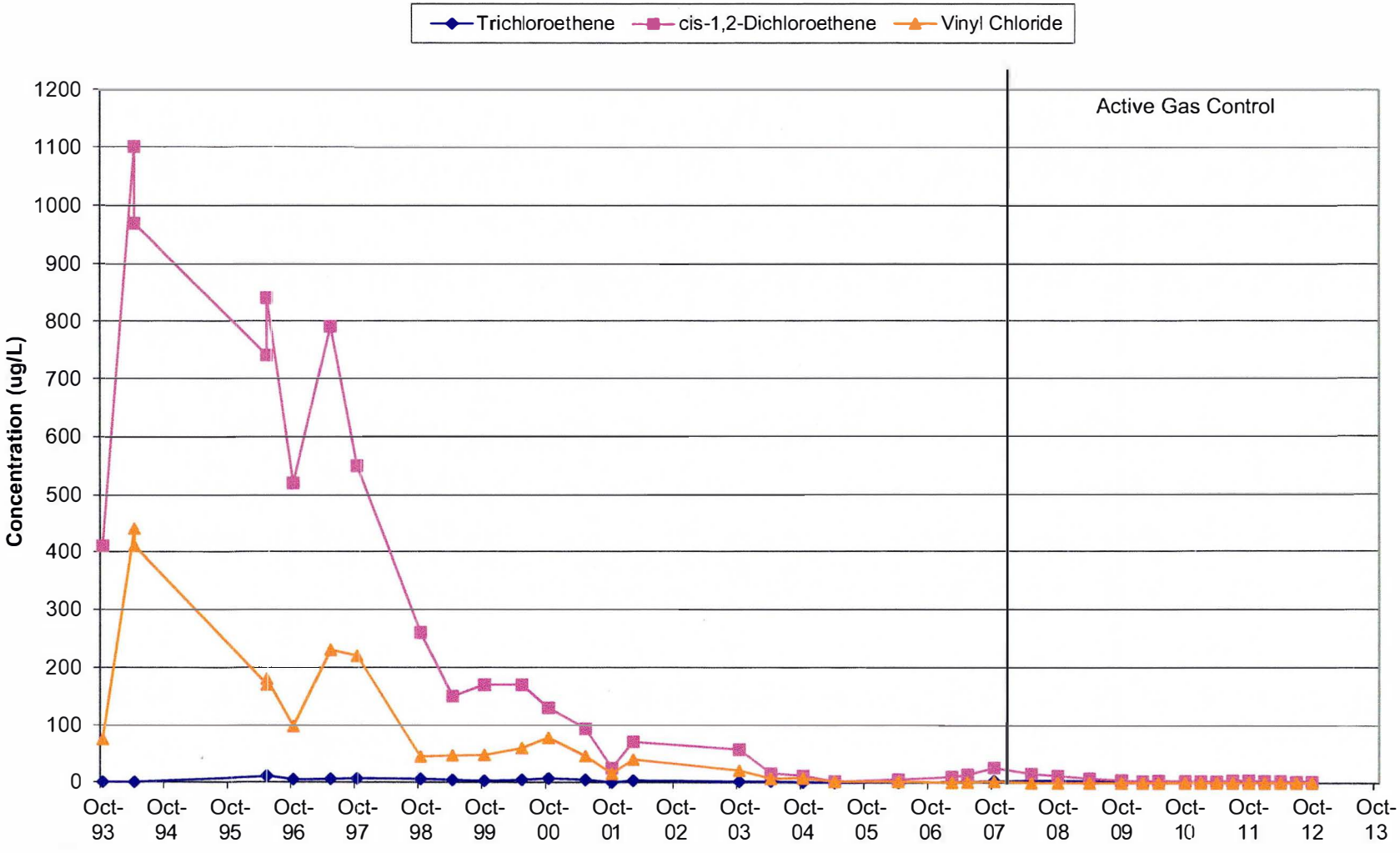


Chart 39: MW-104
Layer 1 Well

Side gradient

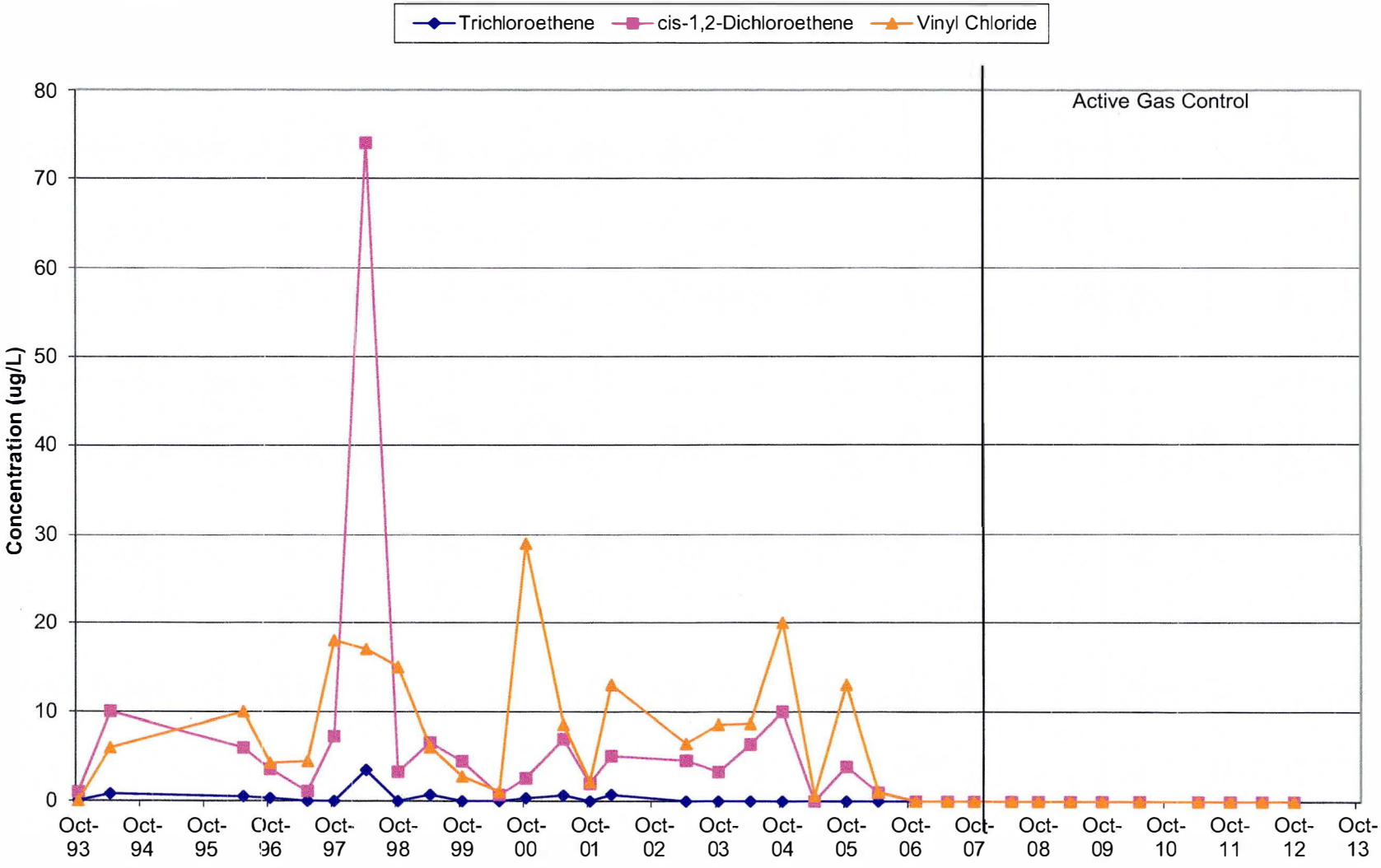


Chart 40: MW-106
Layer 1 Well

Side gradient

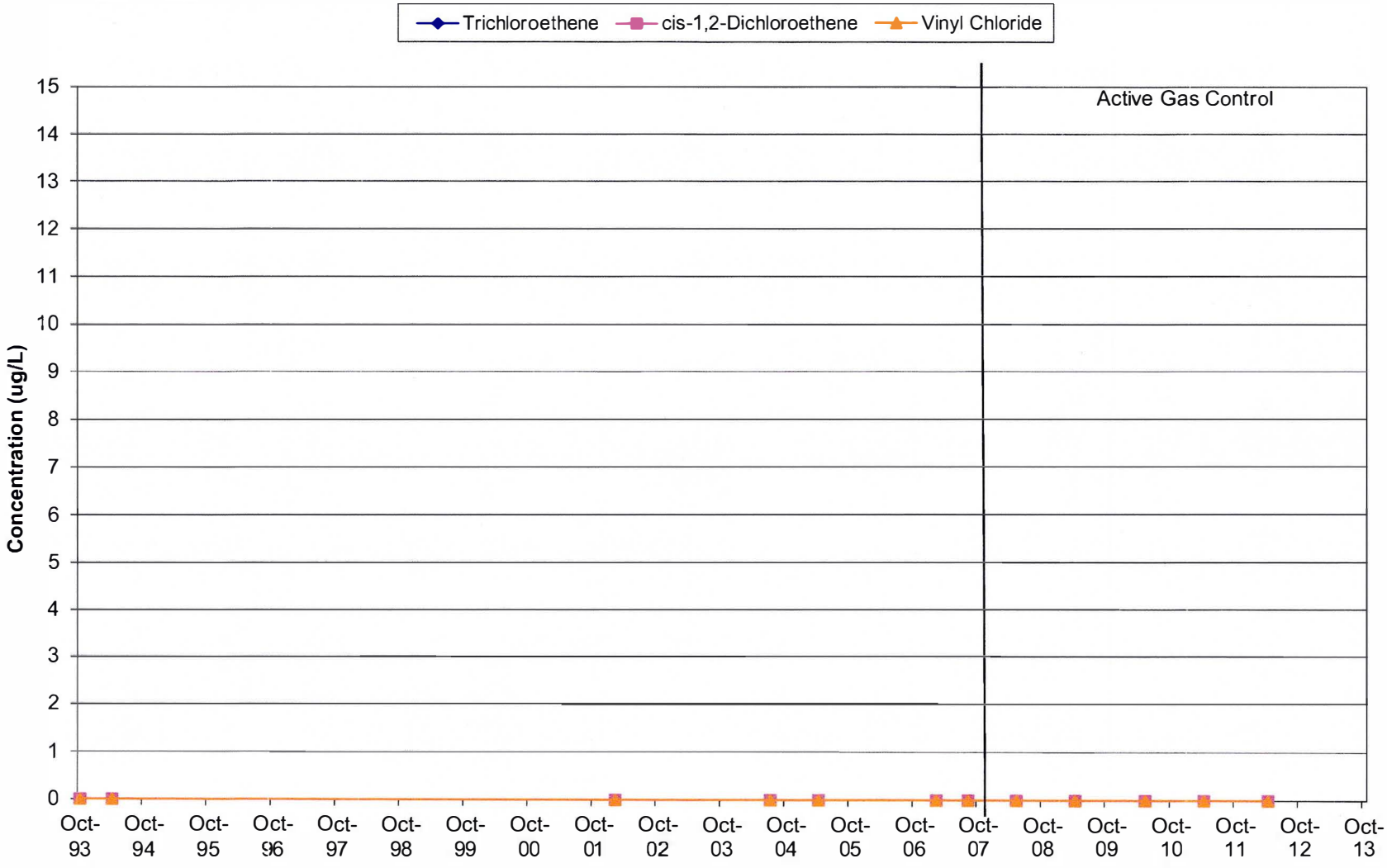


Chart 41: MW-107
Layer 1 Well

370' Down gradient

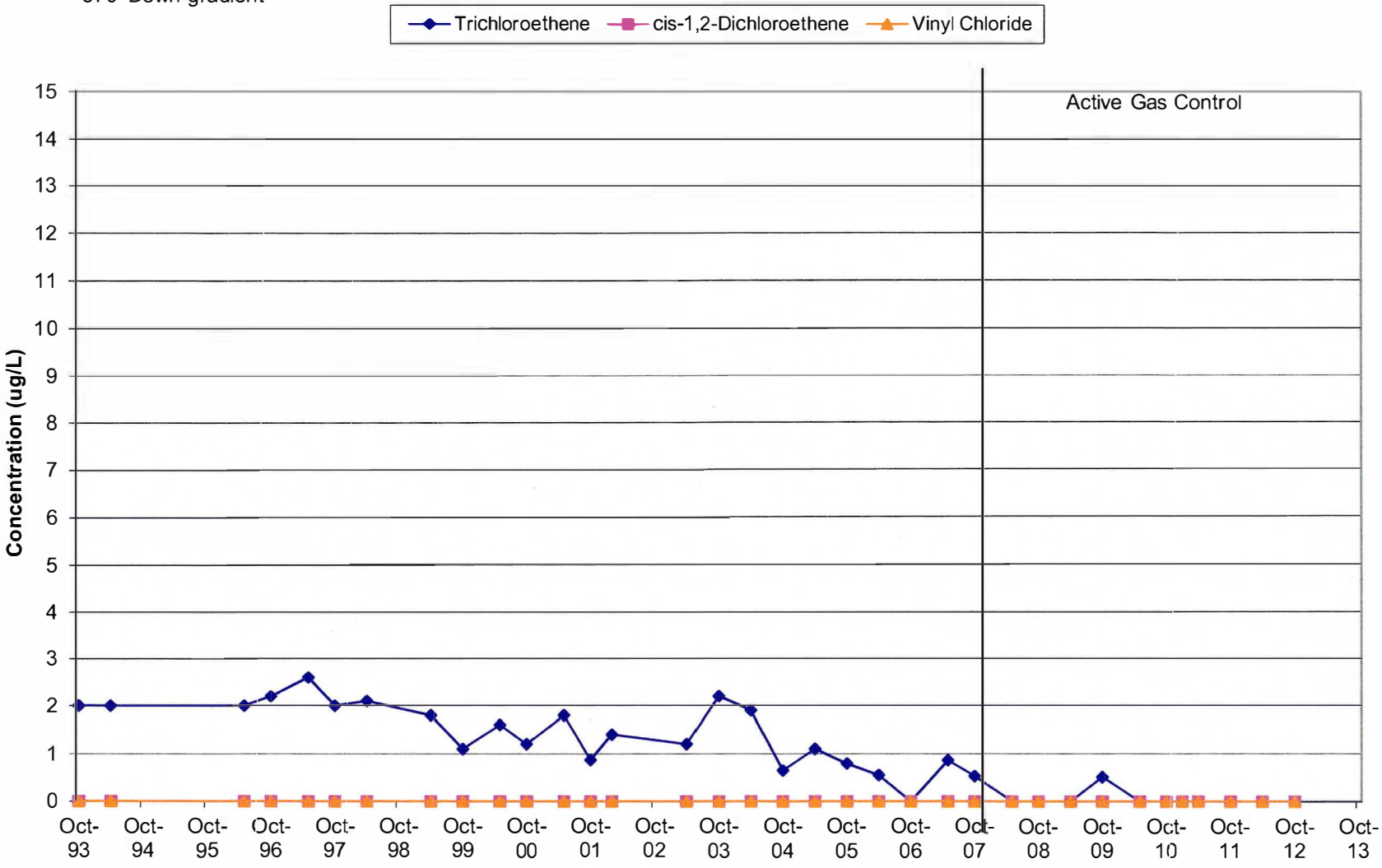


Chart 42: MW-108
Layer 1 Well

Side gradient

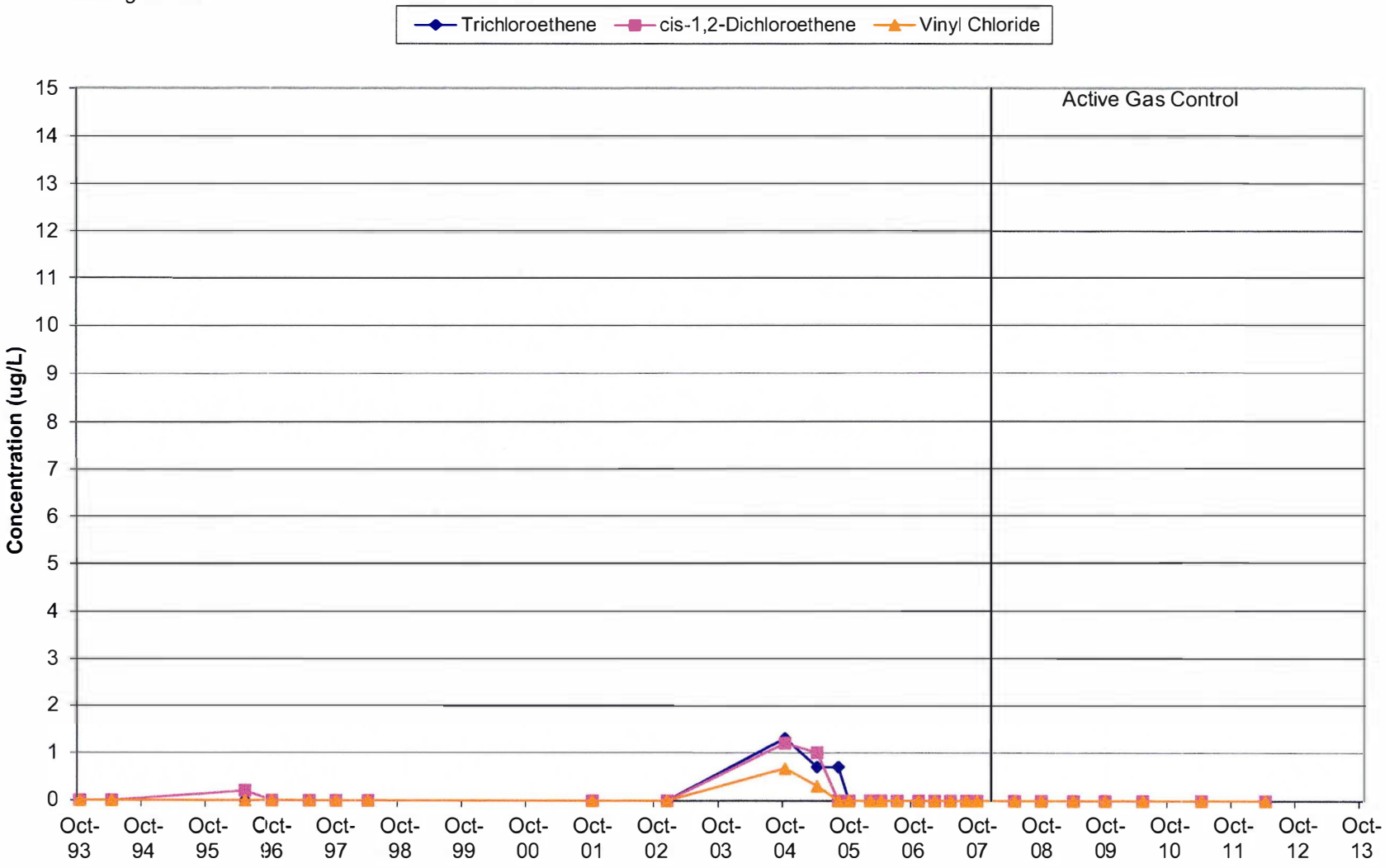


Chart 43: MW-111
Layer 1 Well

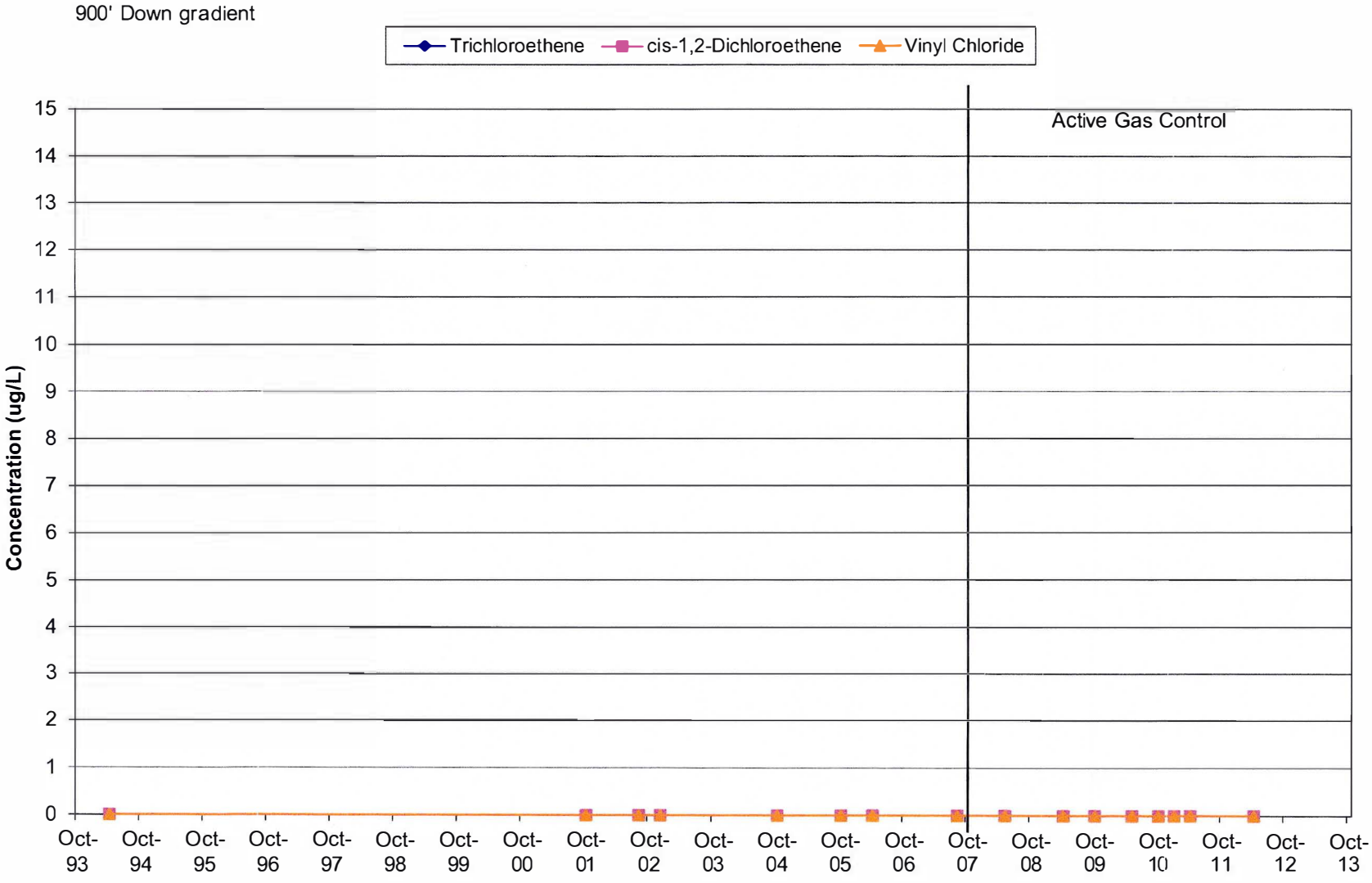


Chart 44: MW-112
Layer 1 Well

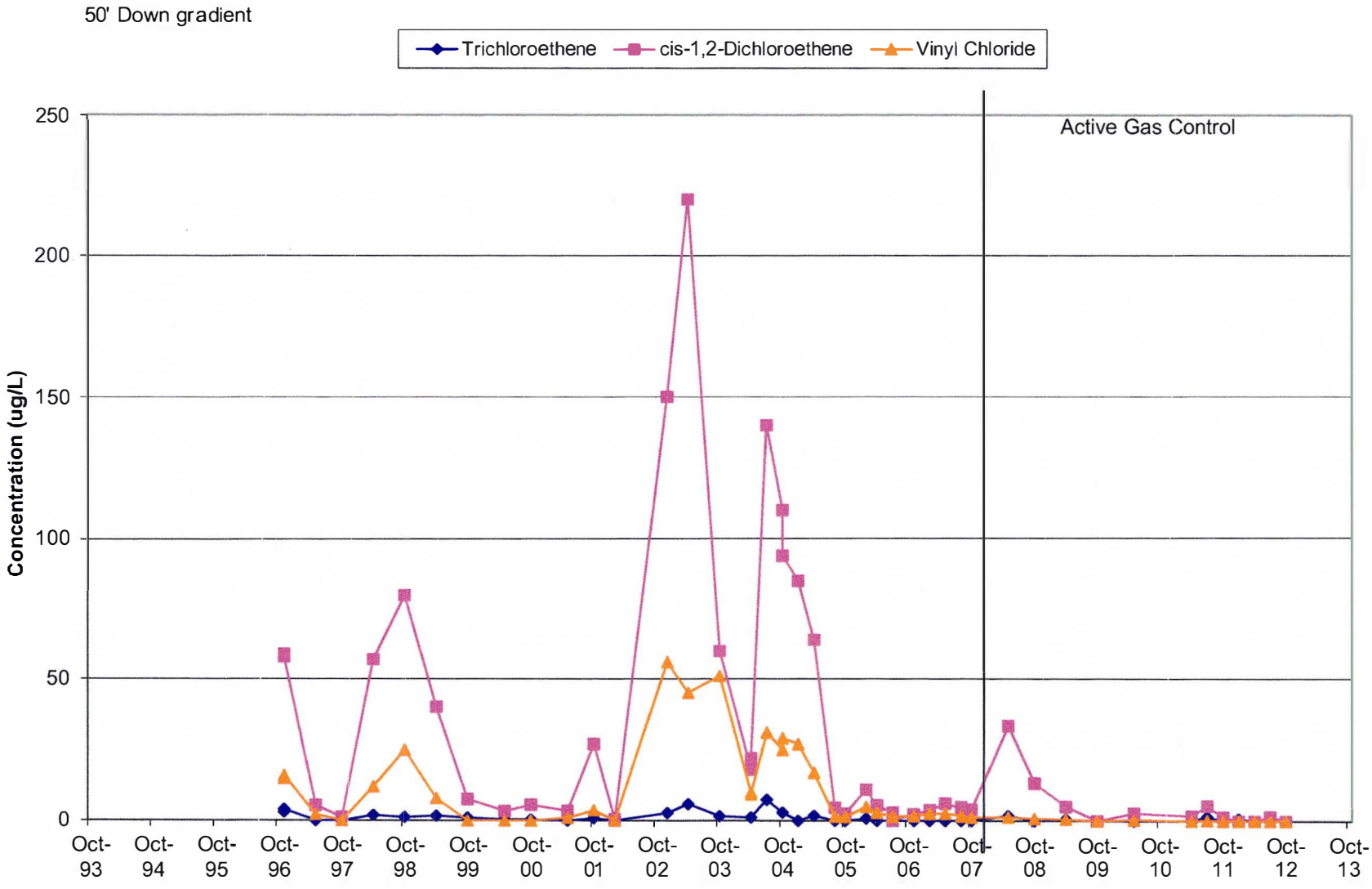


Chart 45: P-101
Layer 2 Well

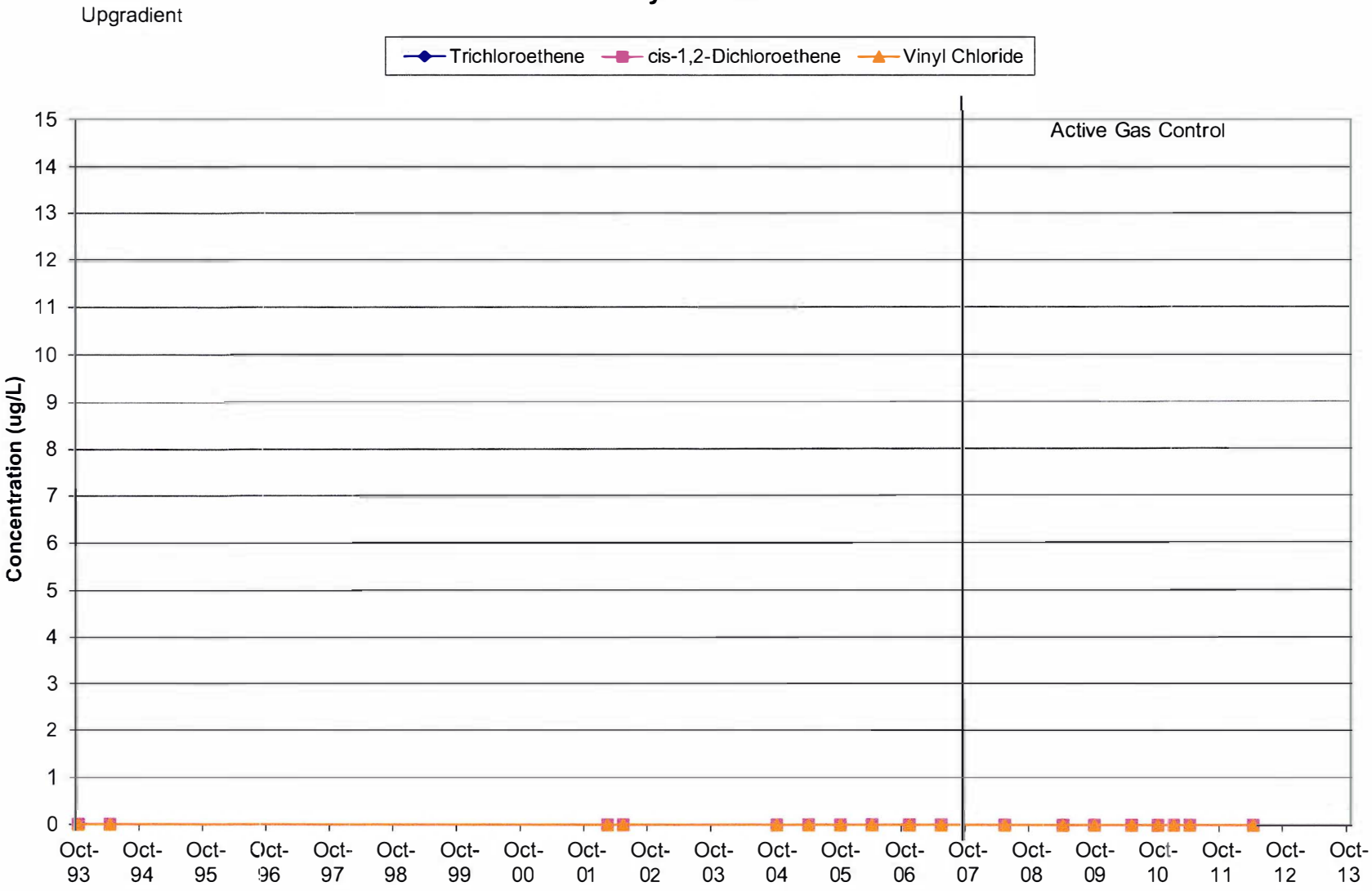


Chart 46: P-102
Layer 2 Well

Side gradient

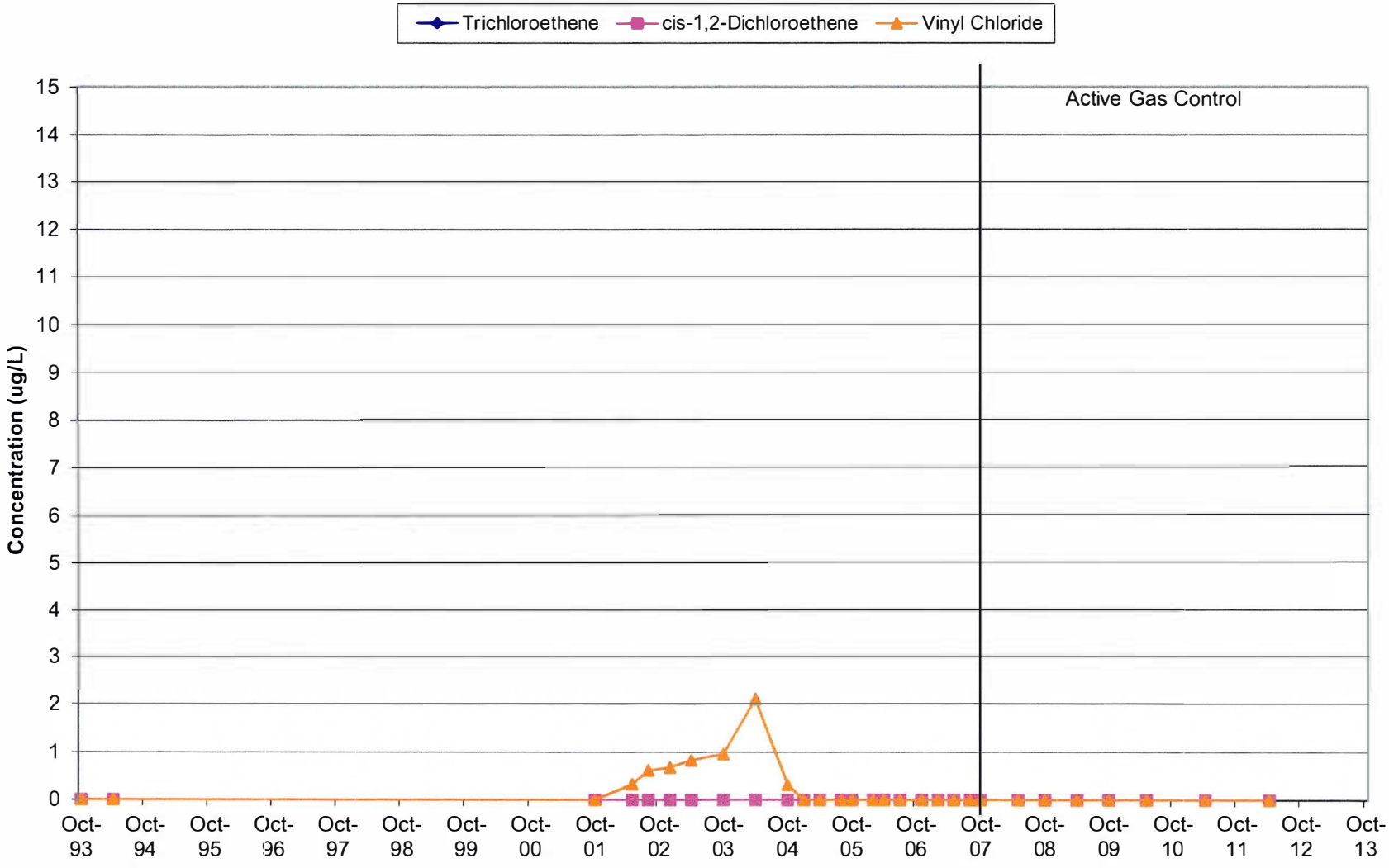


Chart 47: P-103
Layer 2 Well

10' Down gradient

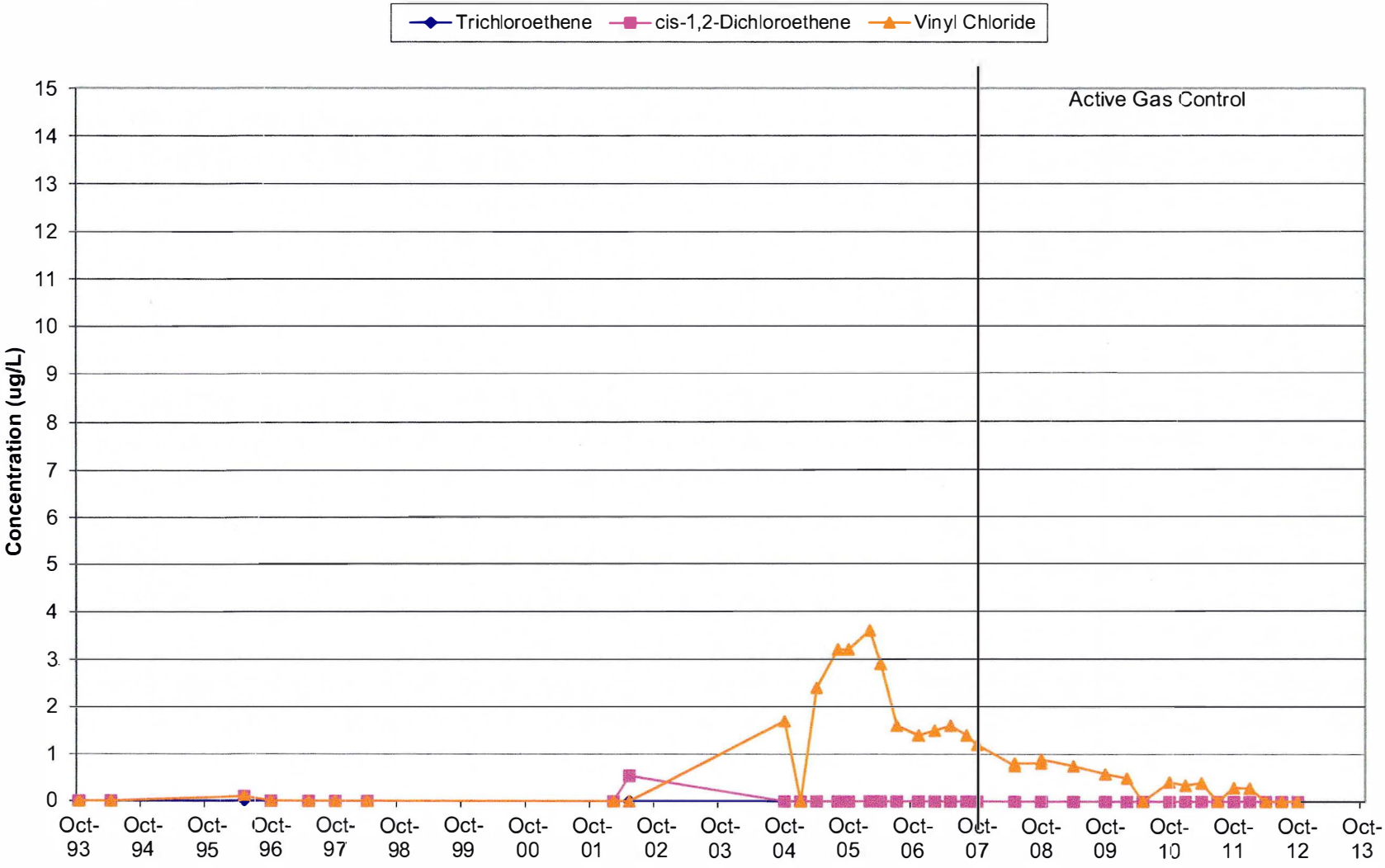


Chart 48: P-104
Layer 2 Well

Side gradient

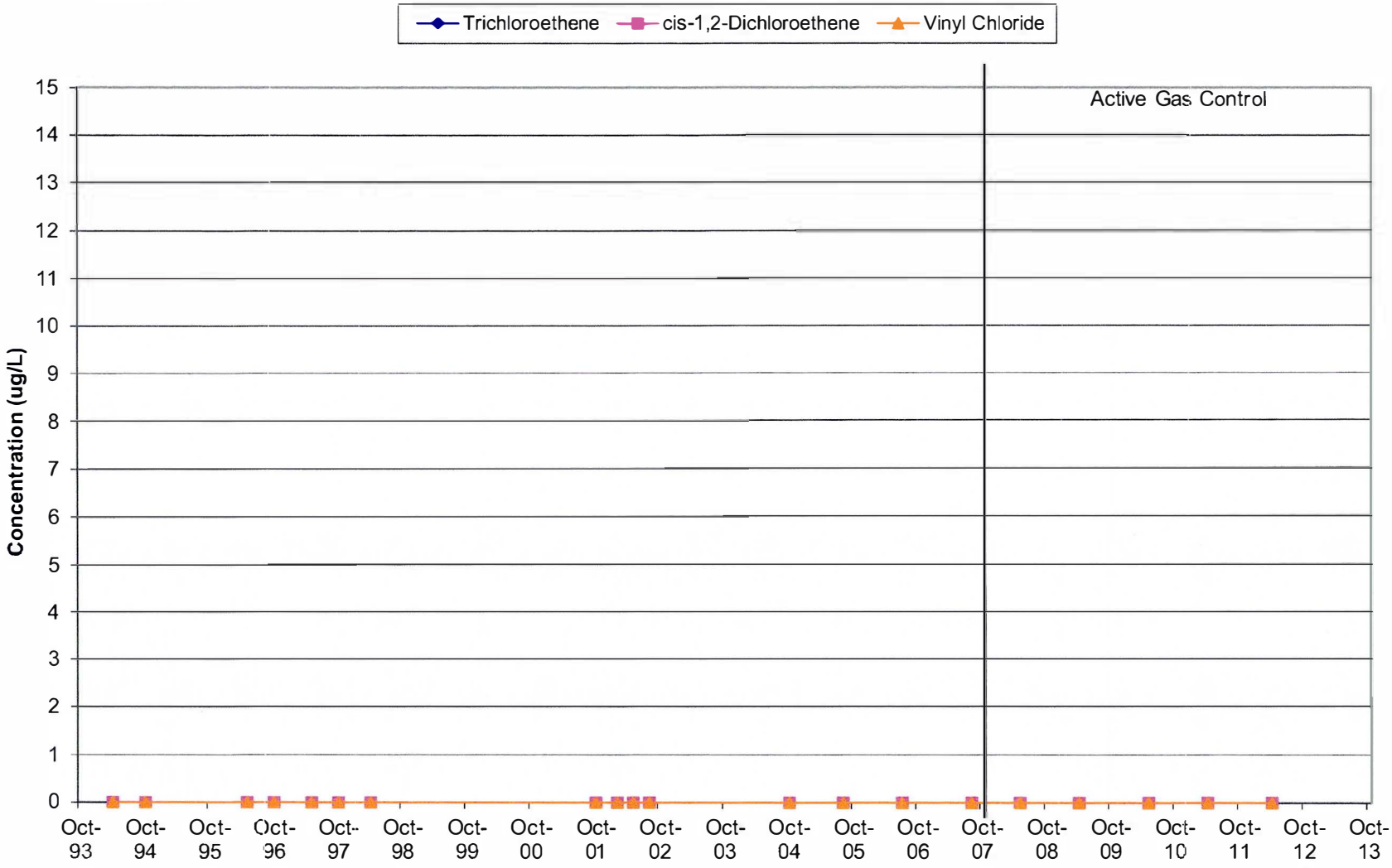


Chart 49: P-106
Layer 2 Well

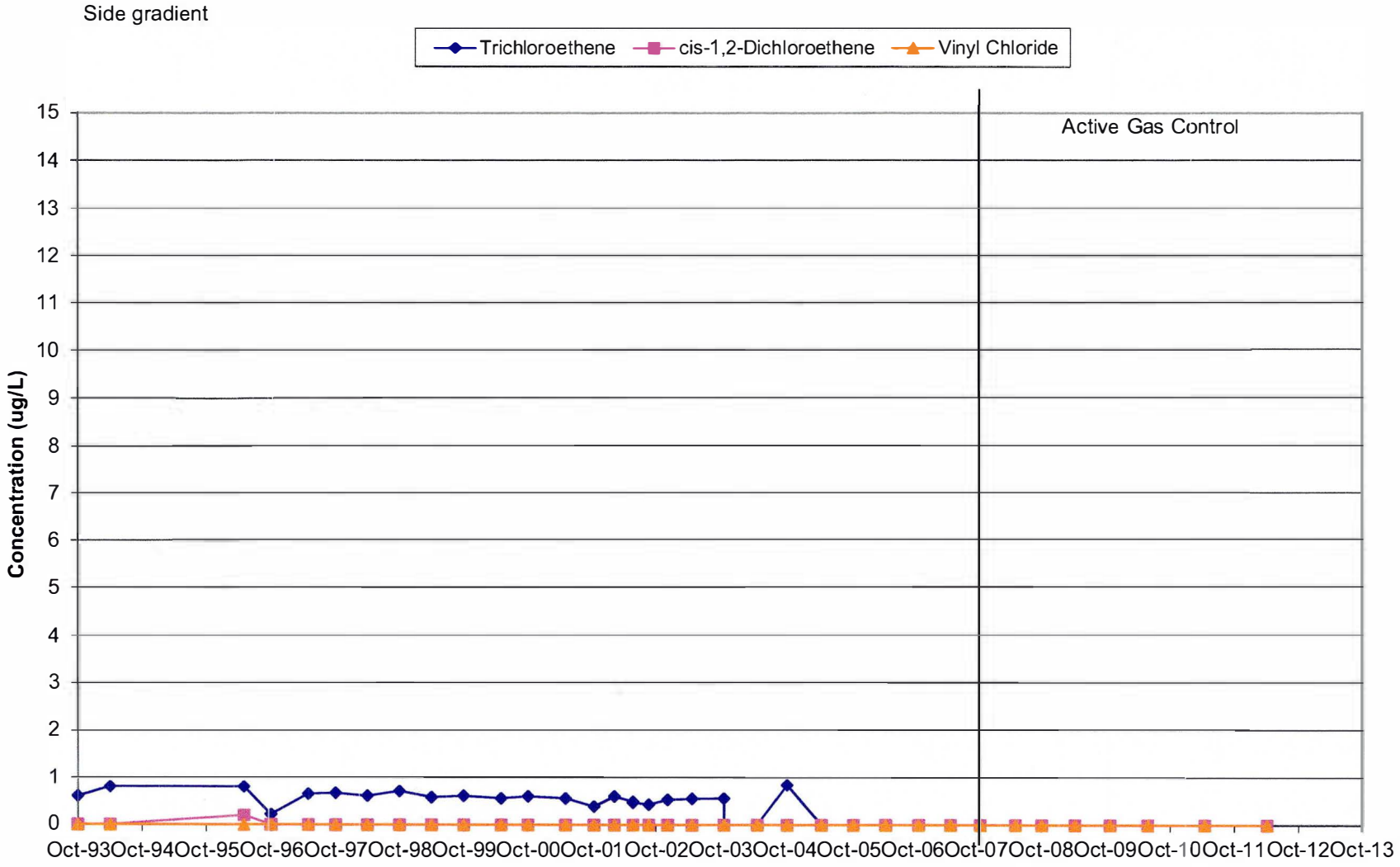


Chart 50: P-107
Layer 2 Well

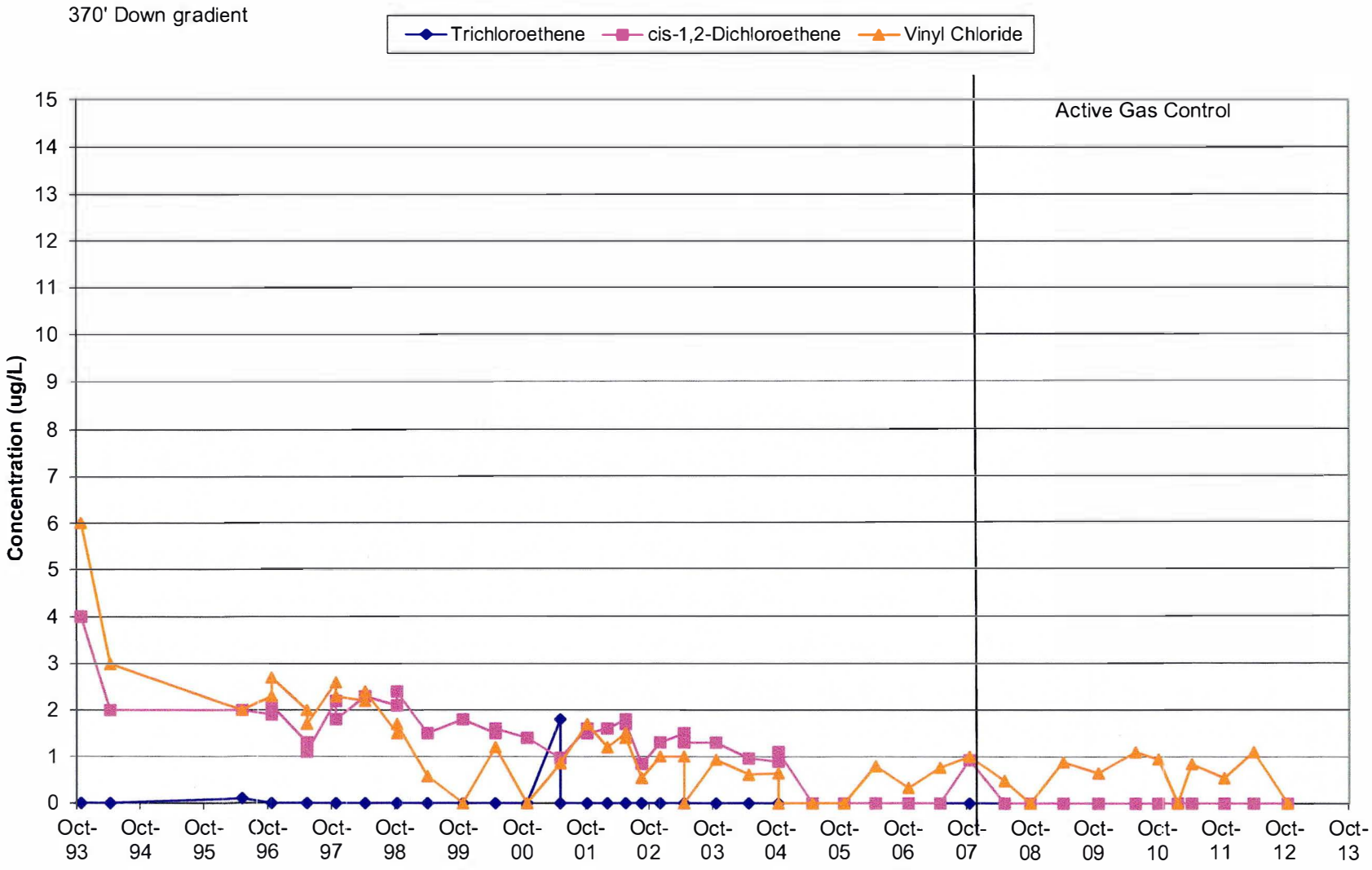


Chart 51: P-108
Layer 2 Well

Side gradient

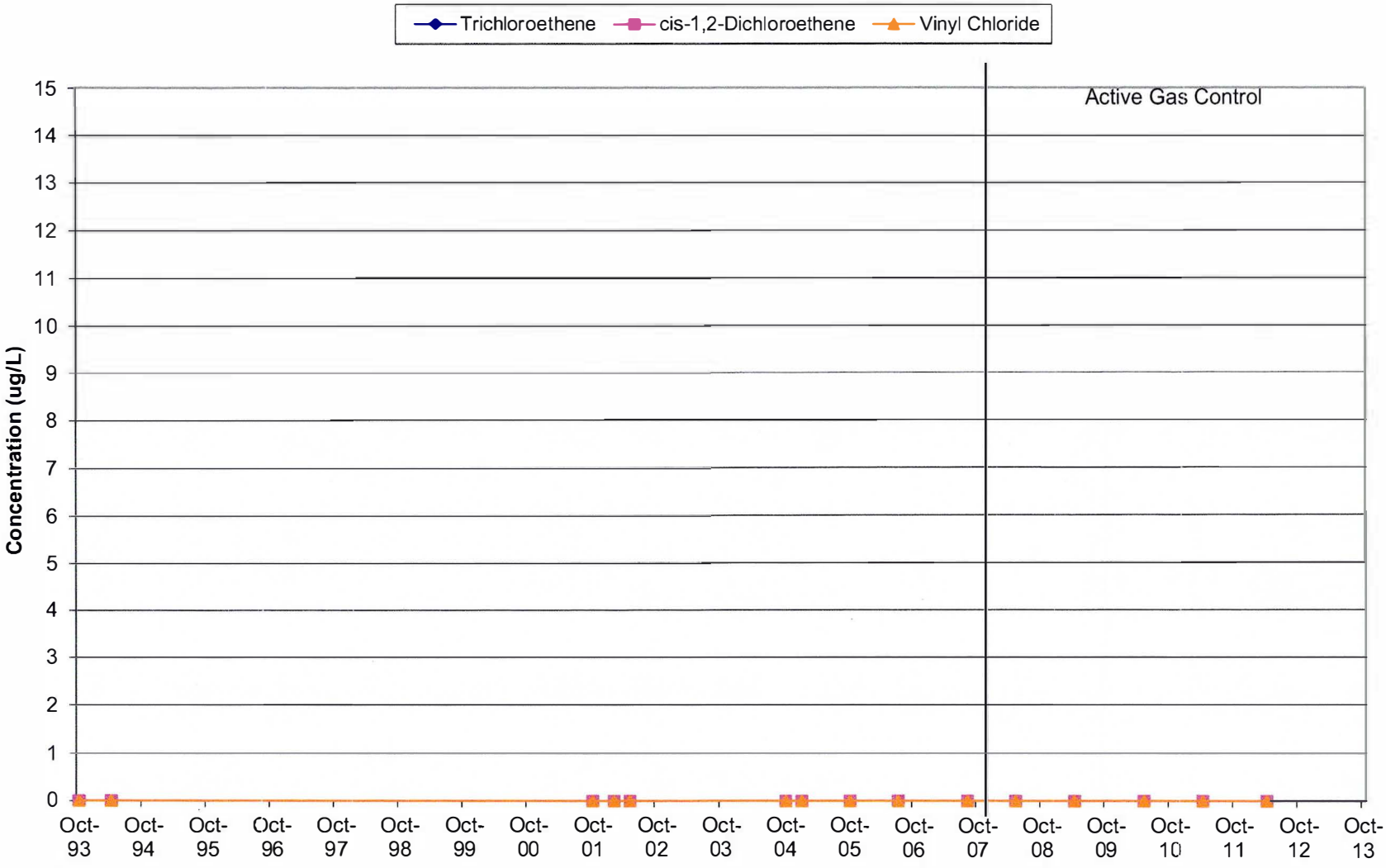


Chart 52: P-111
Layer 2 Well

900' Down gradient

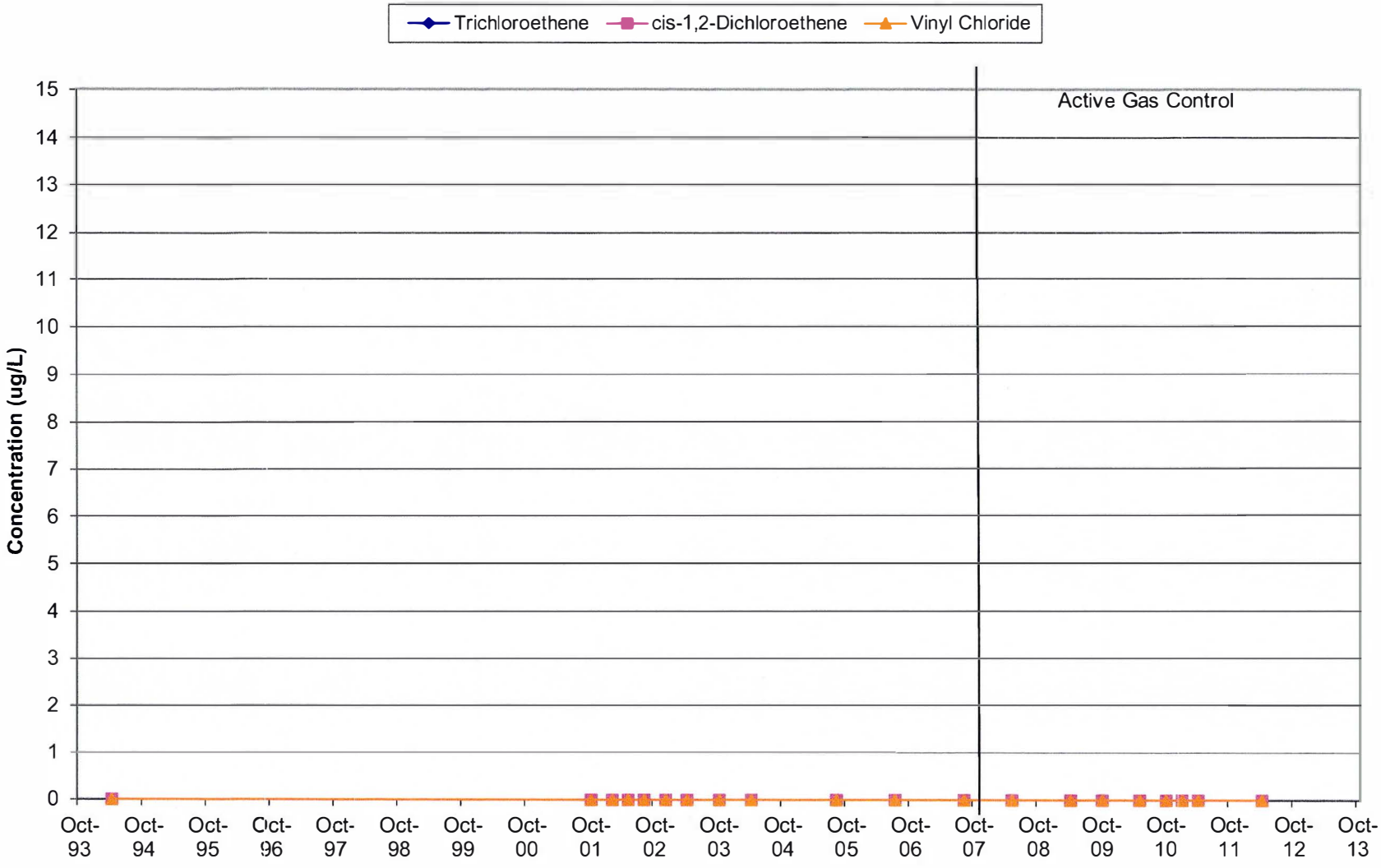


Chart 53: P-103D
Layer 3 Well

10' Down gradient

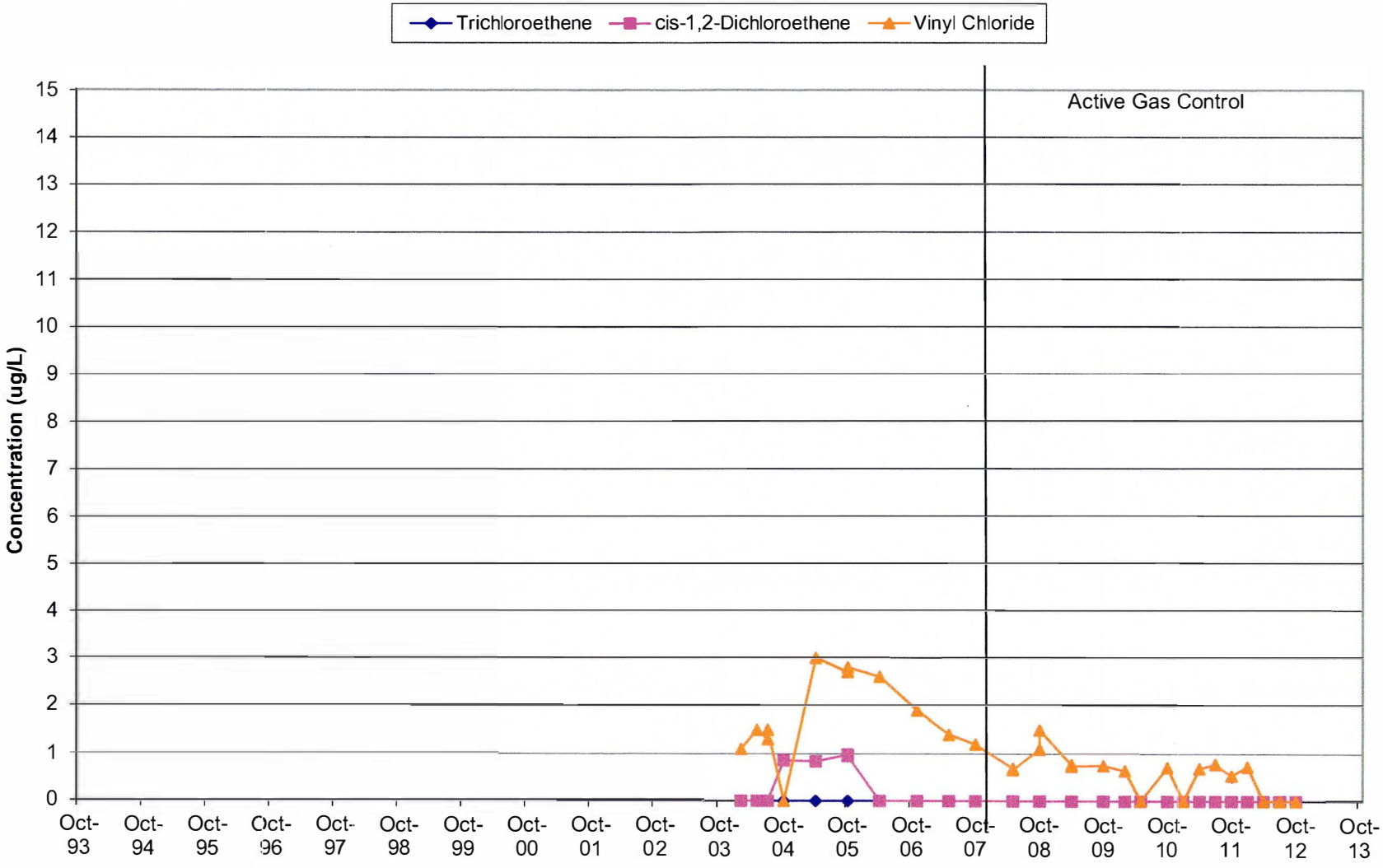


Chart 54: P-111D
Layer 3 Well

900' Down gradient

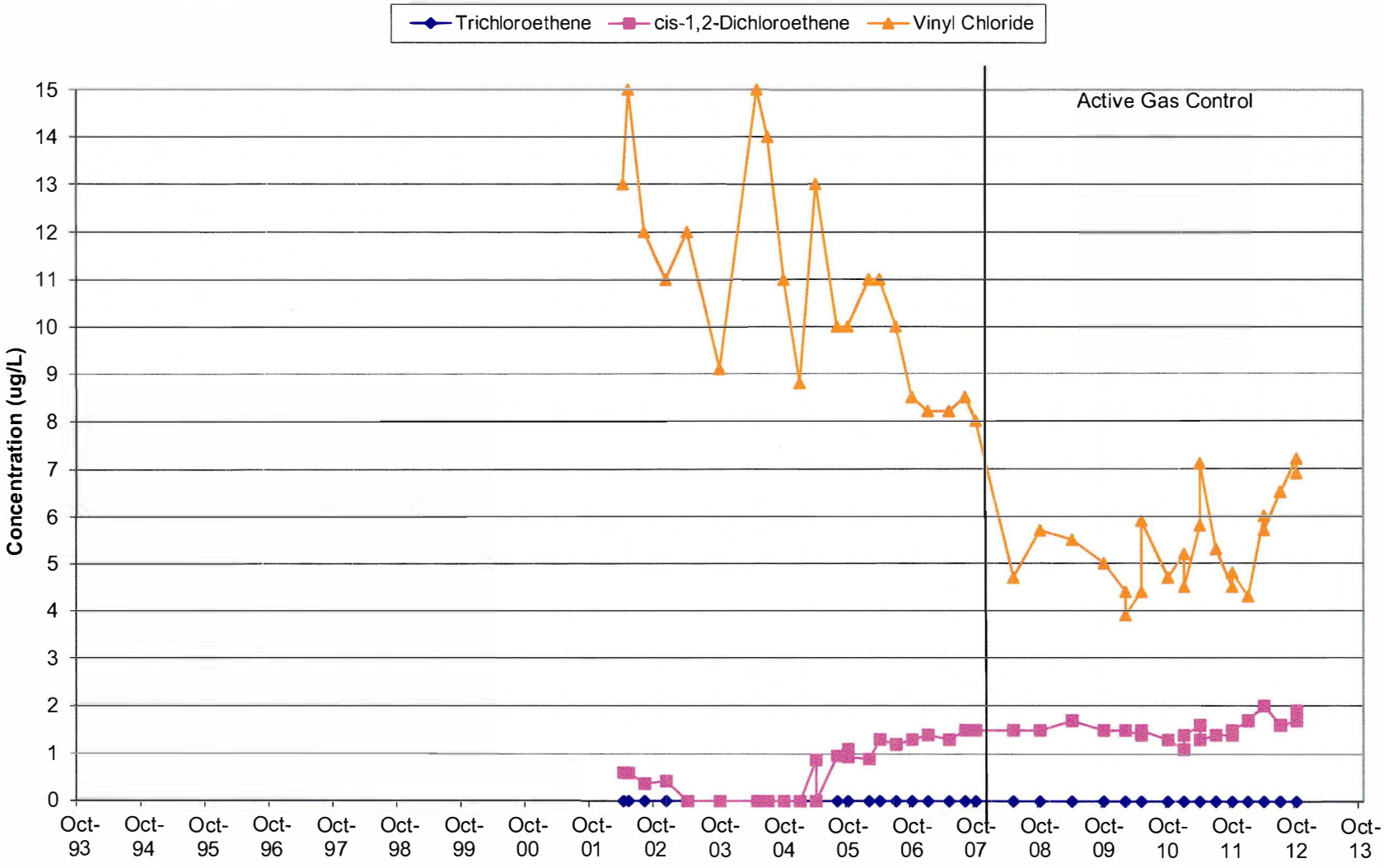


Chart 55: MW-3B
Layer 3 Well

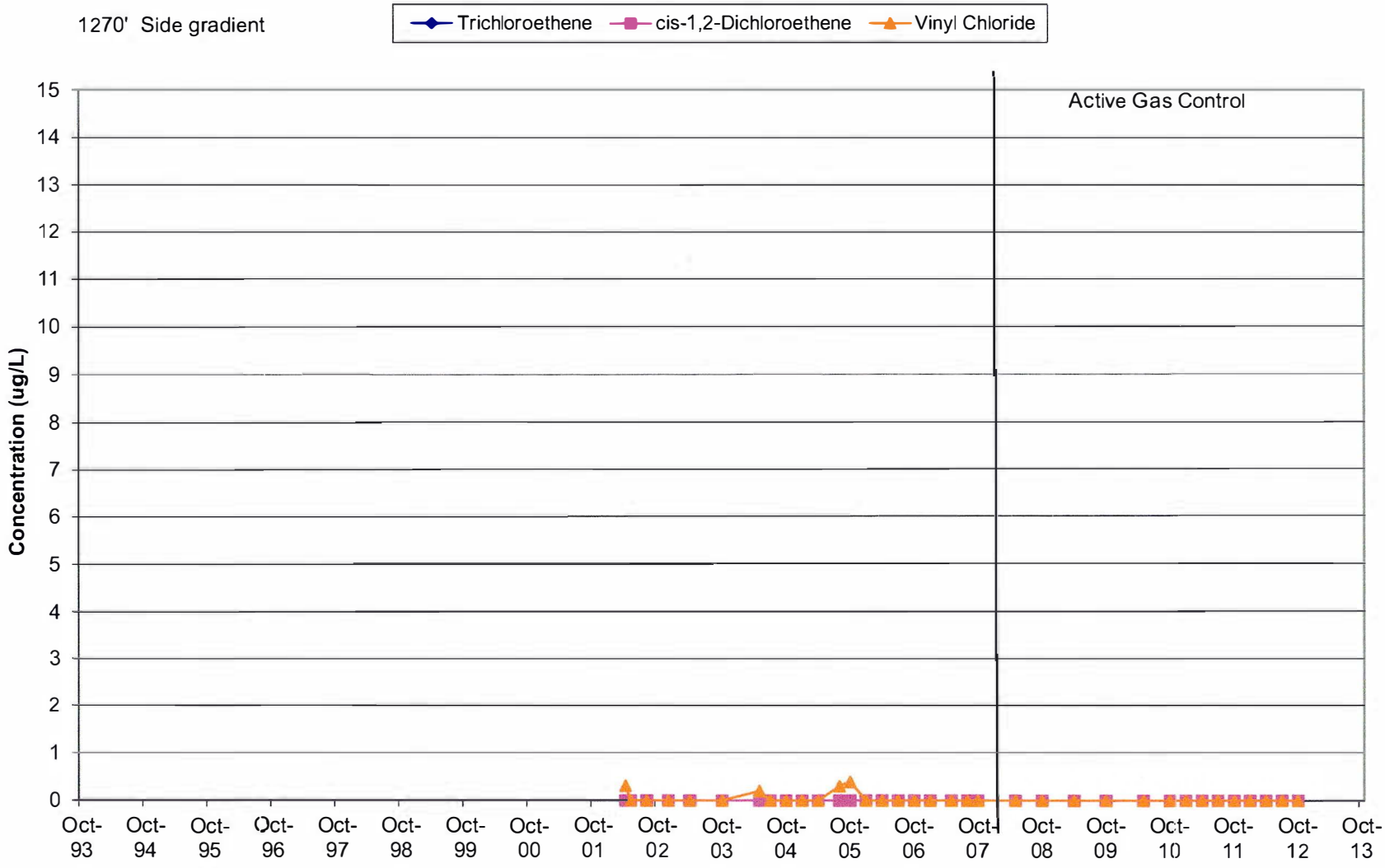


Chart 56: P-113B
Layer 3 Well

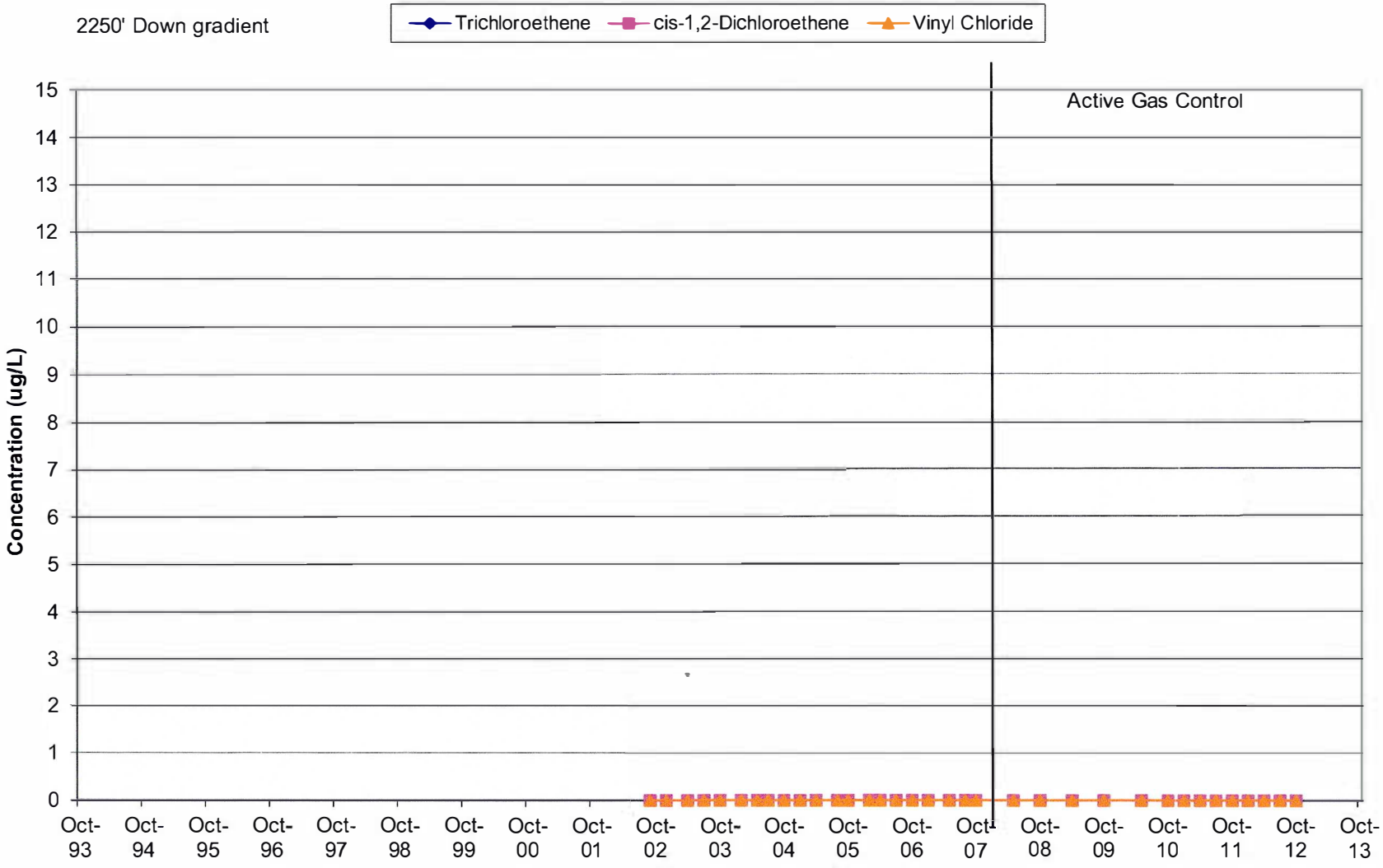


Chart 57: P-114
Layer 3 Well

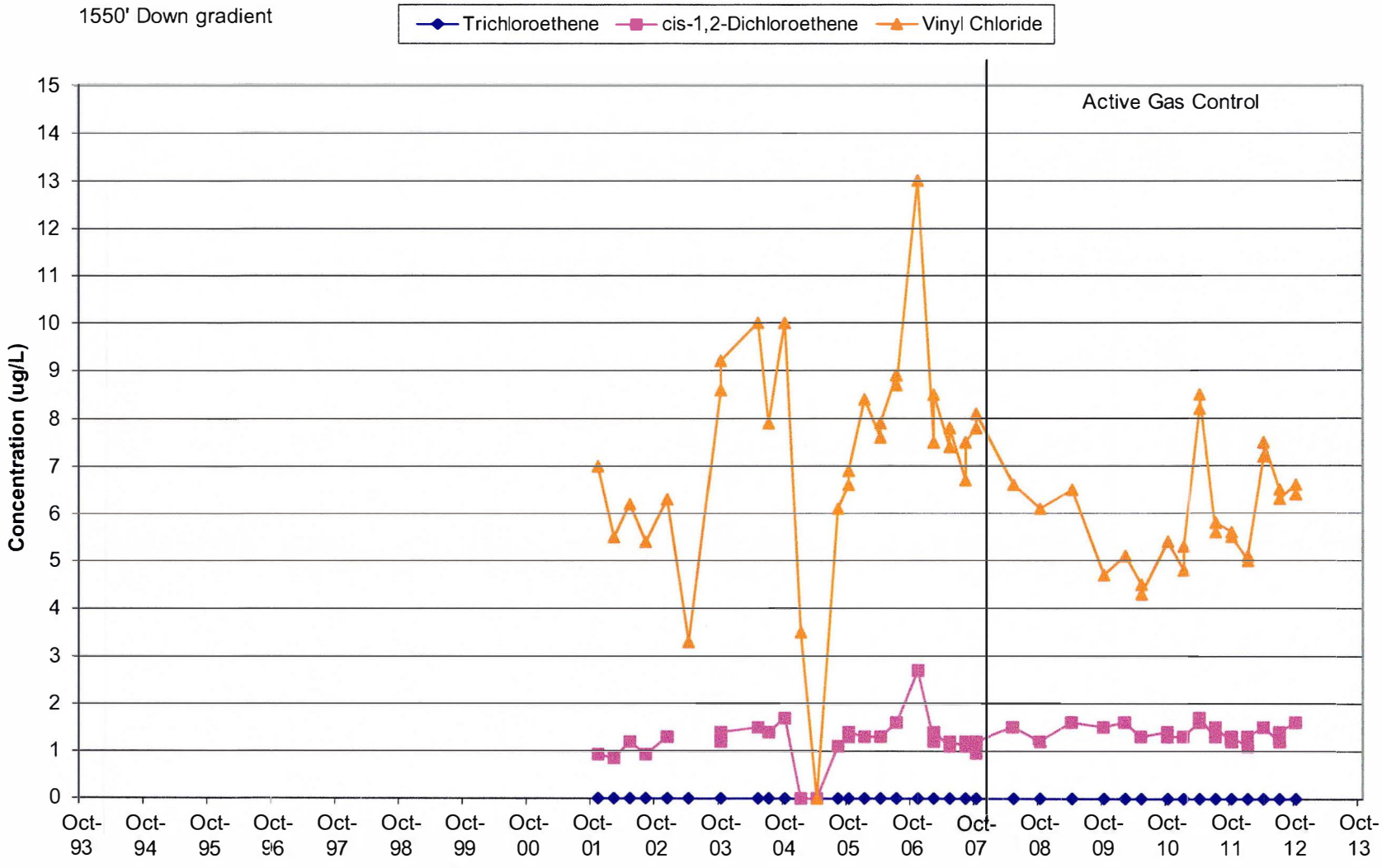


Chart 58: P-115
Layer 3 Well

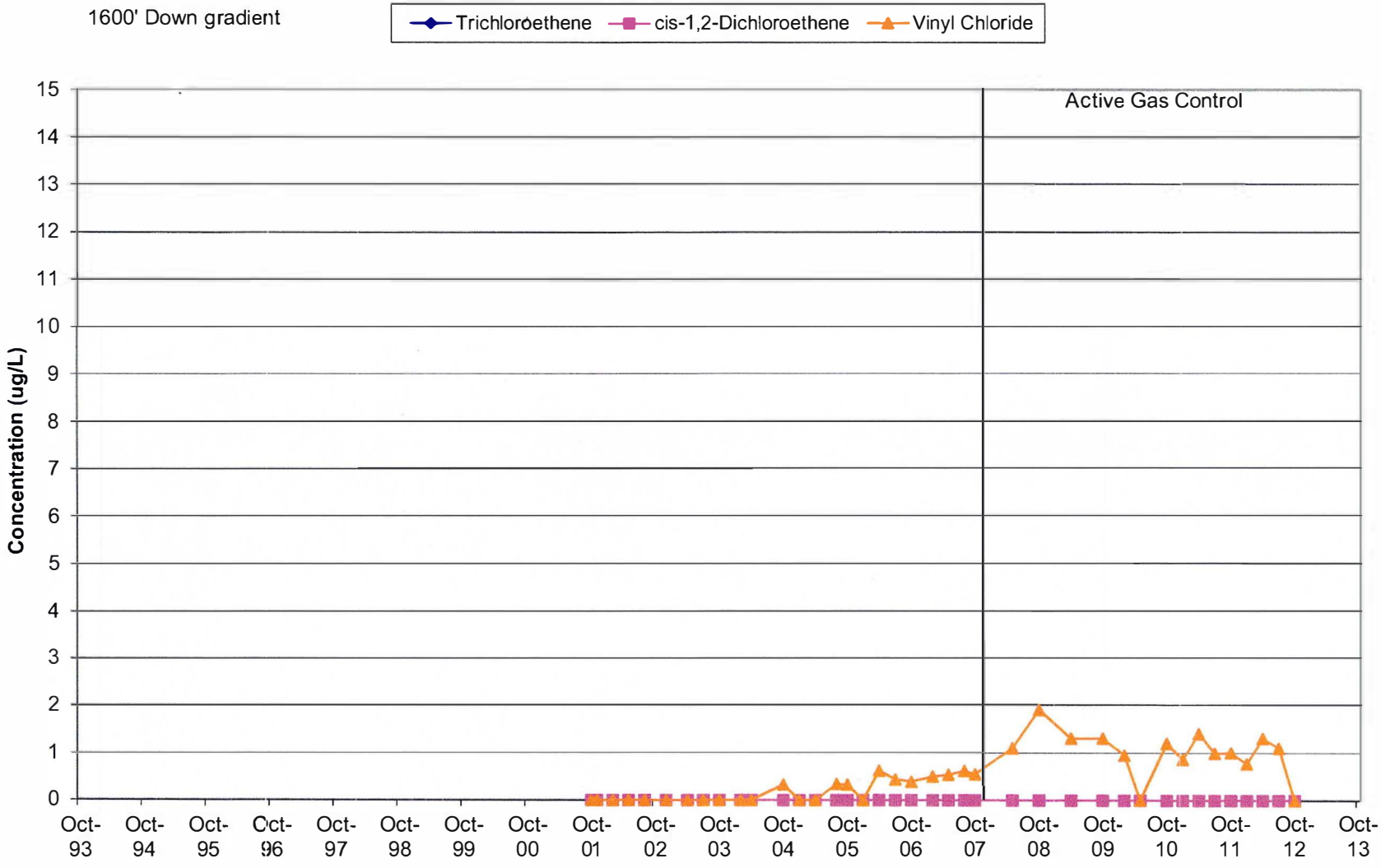


Chart 59: P-116
Layer 3 Well

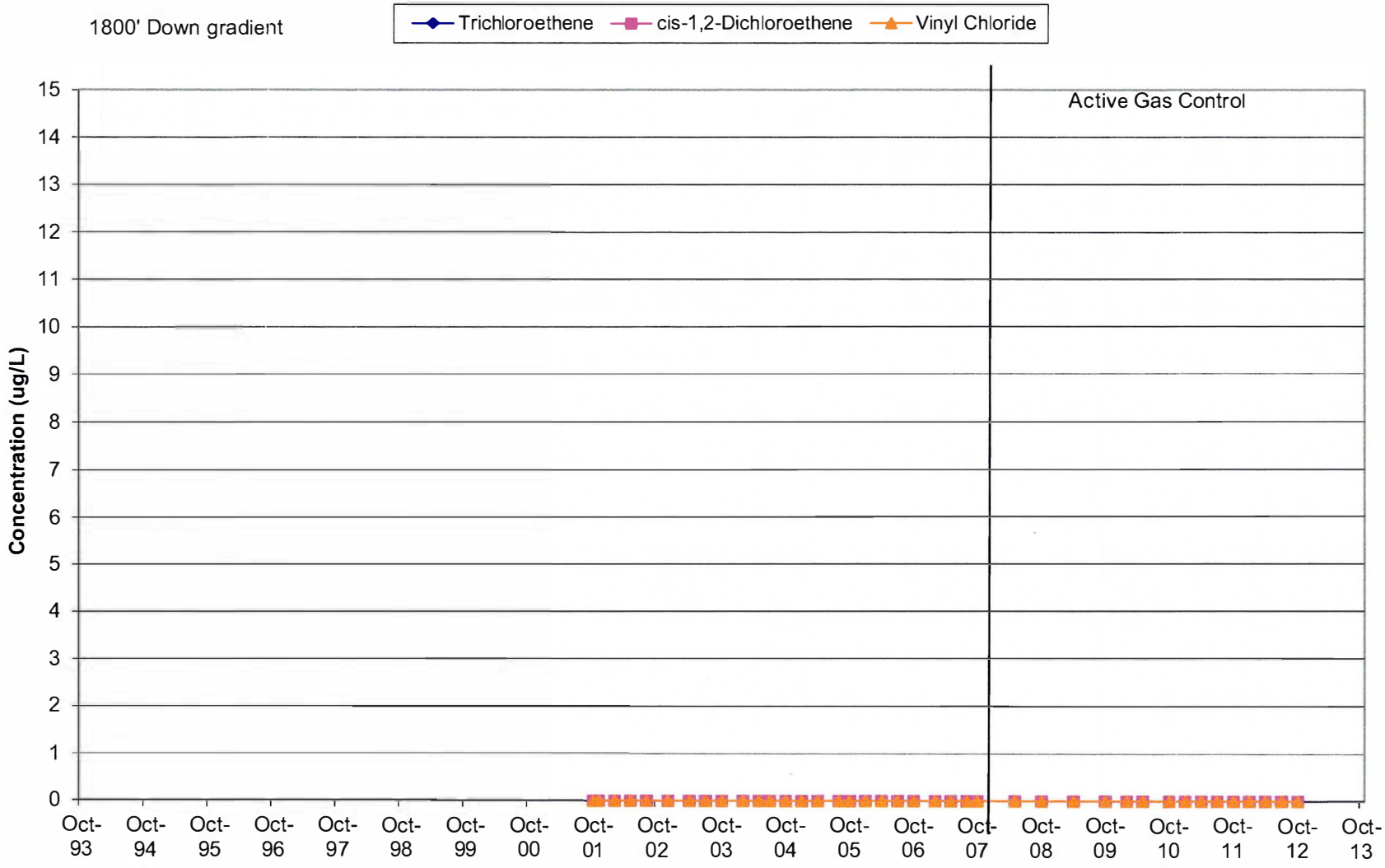


Chart 60: MW-3A
Layer 4 Well

1270' Side gradient

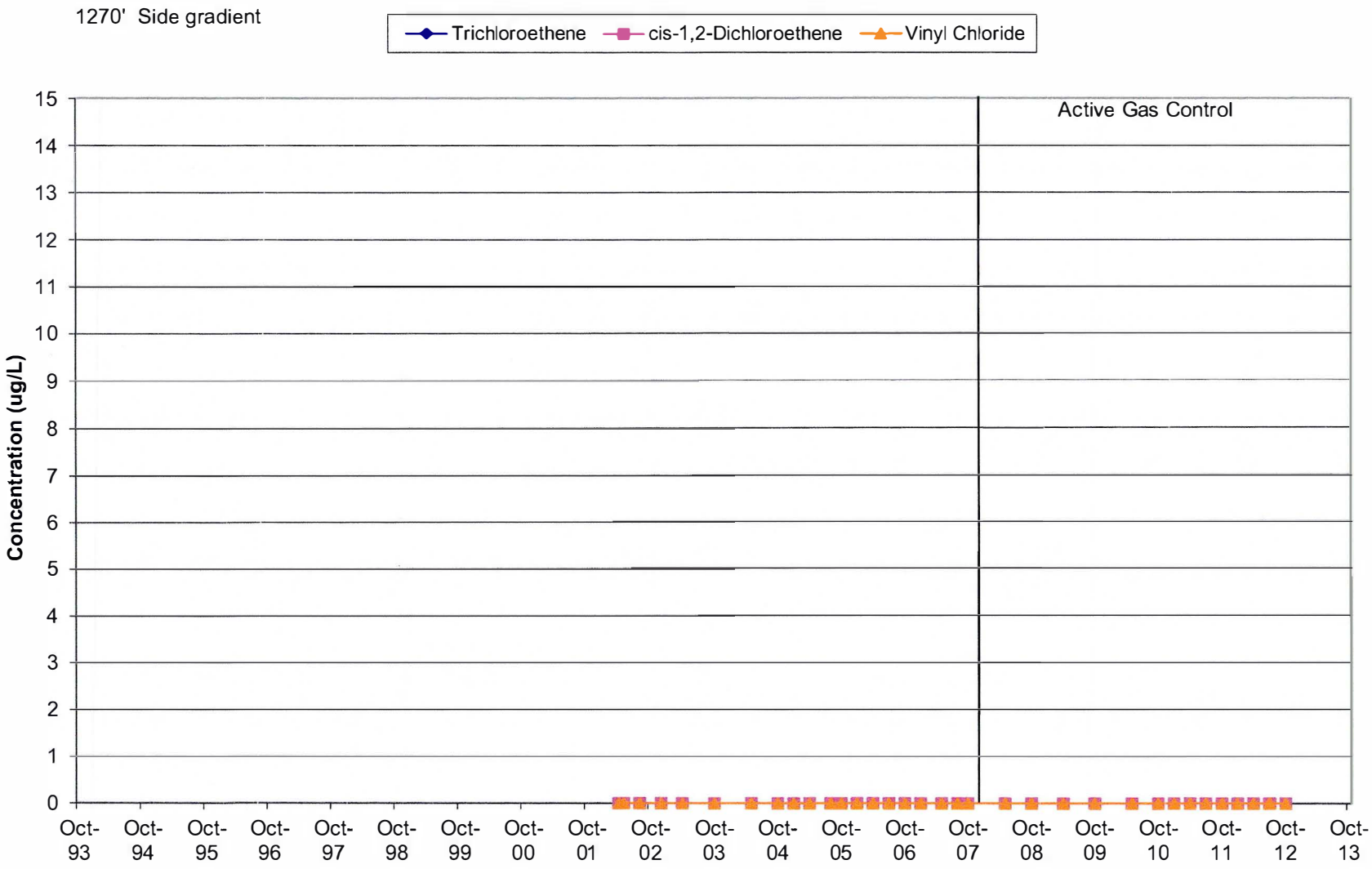


Chart 61: P-107D
Layer 4 Well

370' Down gradient

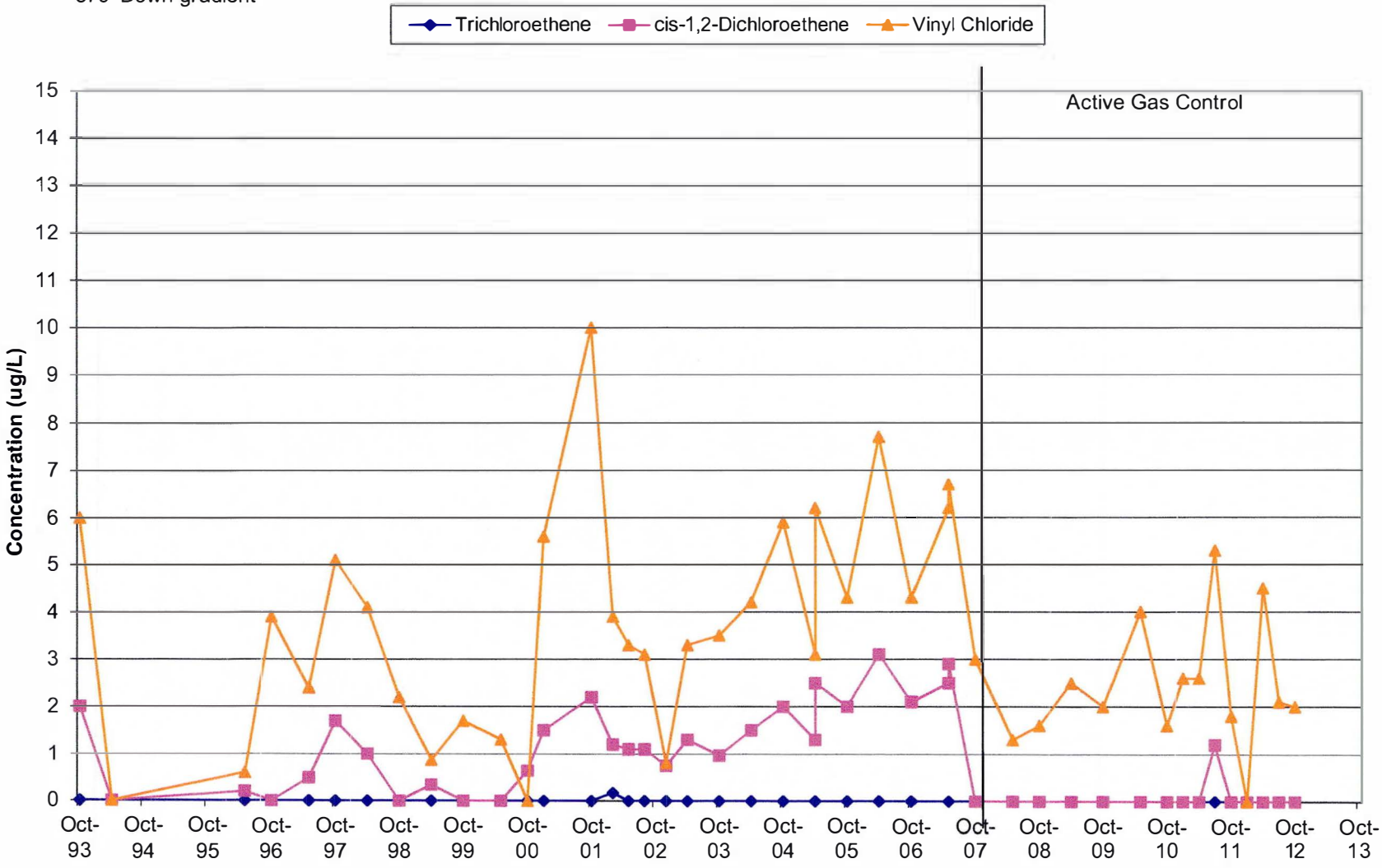
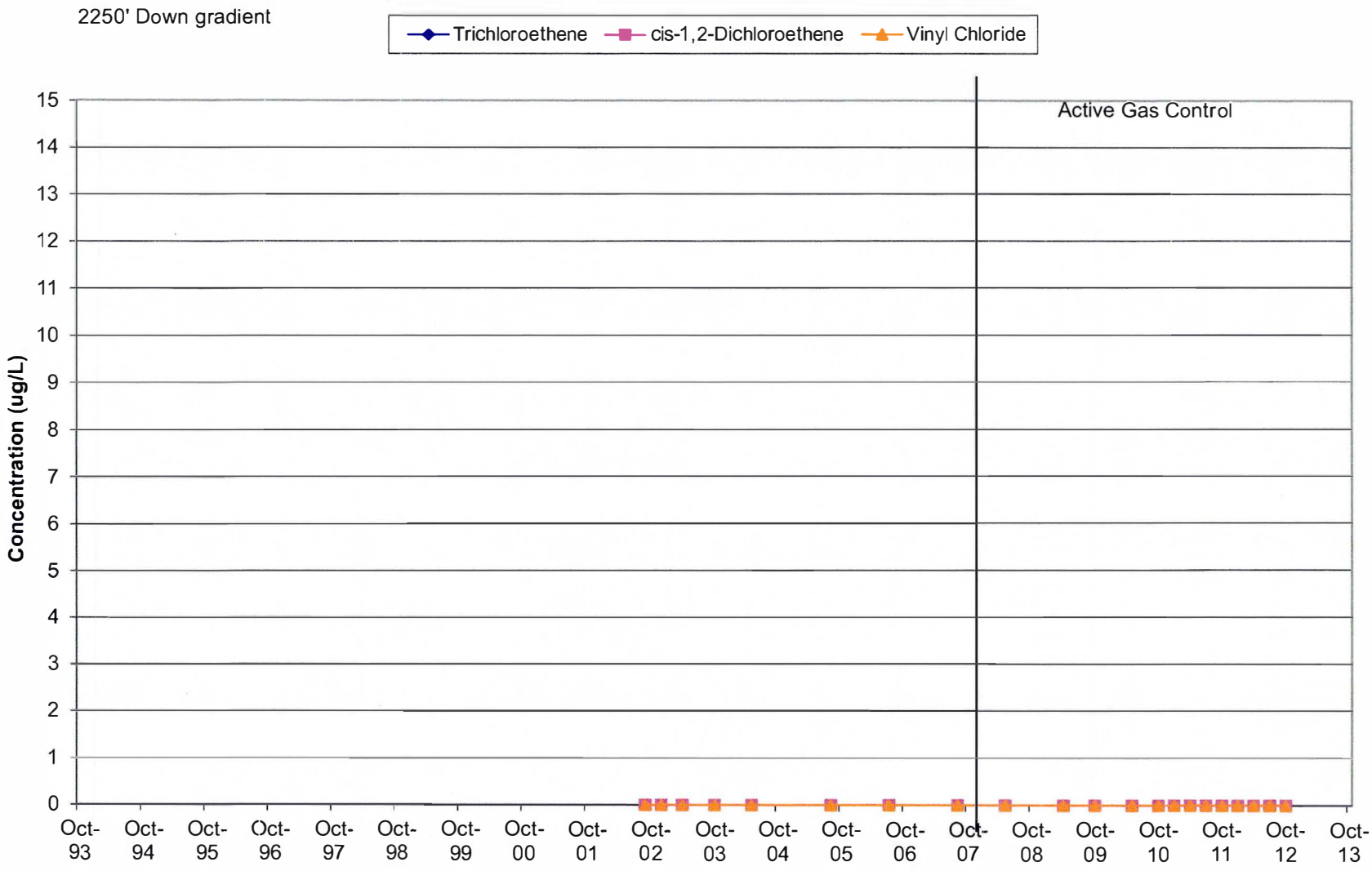


Chart 62: P-113A
Layer 4 Well



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

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	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

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

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)
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NM - Well not measured

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

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	May-10	Sep-10	Jan-11	Mar-11	Apr-11	Jul-11	Oct-11	Jan-12
MW-101	884.80	823.43	823.29	822.19	NM	823.66	824.41	822.45	822.93
P-101	885.26	823.37	823.25	822.14	NM	823.6	824.38	822.37	822.87
MW-102	843.05	823.77	823.66	822.66	NM	824.1	824.73	822.67	823.36
P-102	842.99	823.8	823.71	822.74	NM	824.16	824.79	822.67	823.44
MW-103	872.42	821.25	821.32	820.29	NM	821.34	822.45	821.14	820.97
P-103	872.92	823.34	823.19	822.26	NM	823.6	824.28	822.34	822.91
P-103D	873.08	822.575	822.35	821.81	821.96	822.88	823.26	821.64	822.04
MW-104	875.15	823.25	823.12	822.1	NM	823.47	824.19	822.32	822.82
P-104	875.48	823.41	823.3	822.26	NM	823.62	824.37	822.53	822.93
MW-106	878.90	823.72	823.6	822.57	NM	824.02	824.68	822.58	823.33
P-106	878.91	823.64	823.52	822.52	NM	823.94	824.6	822.48	823.24
MW-107	871.78	819.59	819.85	818.83	NM	819.76	821.04	820.04	819.96
P-107	871.38	819.62	819.82	818.98	NM	819.73	821.02	820.02	819.15
P-107D	871.98	819.68	818.85	820.47	819.05	820.29	819.73	818.74	819.38
MW-108	845.25	818.27	818.39	817.44	NM	818.51	819.21	818.48	818.11
P-108	845.61	821.53	821.66	820.25	NM	821.32	822.51	821.45	820.86
MW-111	856.46	818.07	818.3	817.39	NM	818.37	819.45	818.64	818.12
P-111	856.13	817.61	817.88	816.96	NM	817.89	819.01	818.18	817.68
P-111D	855.79	820.41	820.16	817.15	820.05	820.83	820.9	819.92	820.33
MW-112	874.55	820.13	820.24	819.33	NM	820.23	821.36	820.2	819.91
P-113A	833.09	819.09	818.24	820.05	818.53	819.67	818.78	818.34	818.72
P-113B	833.10	819.27	818.88	819.45	818.97	819.64	819.34	819.04	818.87
P-114	839.35	819.12	819	819.09	818.85	819.75	819.67	819	819.16
P-115	842.71	819.205	819.13	819.265	819.005	819.855	819.745	819.145	819.265
P-116	845.34	818.055	817.85	817.895	817.755	818.845	818.605	817.985	818.125
MW-3A	850.77	819.92	818.91	821.26	819	819.85	819.18	819.74	819.6
MW-3B	851.04	821	820.59	821.04	820.35	821.18	821.1	820.65	820.78
LC1	876.15	843.73	NM	NM	NM	843.14	NM	NM	NM
LC2	866.05	838.96	NM	NM	NM	838.4	NM	NM	NM
LC3	877.34	845.67	NM	NM	NM	845.22	NM	NM	NM

Notes:
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NM - Well not measured

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

Well Name	TOC Elevation	Apr-12	Jul-12	Oct-12
MW-101	884.80	823.33	823.56	821.86
P-101	885.26	823.29	823.5	821.82
MW-102	843.05	823.8	823.89	822.3
P-102	842.99	823.86	823.96	822.41
MW-103	872.42	821.24	821.9	820.21
P-103	872.92	823.32	823.48	821.9
P-103D	873.08	822.47	822.43	821.085
MW-104	875.15	823.22	823.4	821.79
P-104	875.48	823.22	823.57	821.96
MW-106	878.90	823.73	823.87	822.27
P-106	878.91	823.64	825.8	822.18
MW-107	871.78	819.77	820.68	818.98
P-107	871.38	819.76	820.7	819
P-107D	871.98	819.42	818.1	817.78
MW-108	845.25	818.28	818.74	817.63
P-108	845.61	821.01	822.09	820.82
MW-111	856.46	818.32	819.09	817.61
P-111	856.13	817.87	818.67	817.16
P-111D	855.79	820.28	820	819.01
MW-112	874.55	820.15	820.8	819.27
P-113A	833.09	818.51	817.23	817.23
P-113B	833.10	818.71	818.39	817.96
P-114	839.35	819.06	818.46	818.03
P-115	842.71	819.075	818.805	818.105
P-116	845.34	818.125	817.575	817.115
MW-3A	850.77	818.41	818.23	817.6
MW-3B	851.04	820.27	820.35	819.28
LC1	876.15	843.21	NM	NM
LC2	866.05	837.87	NM	NM
LC3	877.34	845.63	NM	NM

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
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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)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
NR140	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-3A	04/04/2002	NR			NA																						
	05/22/2002	NR			NA																						
	08/20/02	NR																									
	12/05/02	NR																									
	04/22/03																										
	10/22/03																										
	05/11/04																										
	10/14/04																										
	01/27/05																										
	04/26/2005																										
	08/02/05																										
	10/26/05																										
	01/31/2006																										
	04/24/06																										
	07/27/06								0.35 J																		
	10/31/06																										
	01/31/07																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008																										
	10/1/2008																										
	4/7/2009																		0.56J								
	10/28/2009																										
	5/24/2010																										
	10/5/2010																		0.49J								
	1/24/2011																										
	4/13/2011																										
	7/12/2011																		0.63J								
	10/19/2011								0.66J																		
	1/23/2012																										
	4/4/2012																										
	7/25/2012																										
	10/16/2012																										
MW-3B	04/04/2002	NR			NA																		0.38			0.31	
	05/22/2002	NR			NA																	NA					
	8/20/2002	NR																				NA					
	12/5/2002	NR																									
	4/22/2003																										
	10/22/2003																										
	5/11/2004																									0.2 J	
	07/22/2004																										
	10/14/2004																										
	1/27/2005																										
	4/26/2005																										
	8/2/2005																									0.30J	
	10/26/2005																									0.39J	
	01/31/2006																										
	4/24/2006																										
	7/27/2006								0.45 J																		
	10/31/2006																										
	1/31/2007																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008														1.3											5.4	
	10/1/2008																										
	4/7/2009																										
	10/28/2009								0.42J																		
	5/24/2010																										
	10/5/2010																										
	1/24/2011																										
	4/13/2011																										
	7/12/2011																		0.81J								
	10/19/2011																										
	1/23/2012																										
	4/4/2012																										
	7/25/2012																										
	10/16/2012																										

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

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloromethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-101	10/1/1993	NR																			0.7 J						
	04/1/1994	NR																			0.6J						
	05/01/1996	NR																			0.6J						
	10/01/1996	NR							0.89 J												0.72 J						
	05/01/1997	NR																									
	10/01/1997	NR																			0.7						
	04/98*	NR																									
	10/01/1998	NR																									
	04/01/1999	NR																									
	10/01/1999	NR																			0.7						
	05/01/2000	NR																			0.32						
	10/01/2000	NR																			0.38						
	05/01/2002	NR																			0.28						
	10/11/2001	NR																									
	02/05/2002	NR			NA						0.19										0.32	NA		0.16			
	05/21/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/03 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2003																										
	4/28/2004																										
	10/13/2004	11																									
	4/27/2005																										
	4/28/2006	18																									
	11/1/2006*		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/2007																										
	5/1/2007	2.4																									
	5/6/2008																										
	4/8/2009																										
	10/29/2009																										
	5/25/2010																										
	10/4/2010																		0.44J								
	1/26/2011																										
	4/11/2011																										
	4/3/2012																										
P-101	10/01/1993	NR																									
	04/01/94	NR																					0.5J				
	020/5/02	NR			NA																	NA					
	05/22/2002	NR			NA																	NA					
	10/13/2004																										
	4/27/2005																										
	10/25/2005																										
	4/28/2006																										
	11/1/2006																										
	5/1/2007																										
	5/6/2008																										
	4/8/2009																										
	11/4/2009								0.75J																		
	5/25/2010																										
	10/4/2010																		0.44J								
	1/26/2011																										
	4/11/2011																										
	4/3/2012																										

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

Sampling Point	Collection Date	Parameters																									
		Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
NR140	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-102	10/26/1993	NR																									
	04/11/1994	NR																					3				
	05/08/1996	NR																					0.4J				
	10/30/1996	NR							0.99 J												0.30 J						
	05/12/1997	NR																									
	10/26/1997	NR																									
	04/13/1998	NR													0.46												
	10/11/2001	NR																									
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																										
	10/14/2004																										
	4/27/2005																										
	10/25/2005																										
	4/25/2006																										
	11/1/2006																										
	5/2/2007																										
	4/30/2008																										
	10/2/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										
	4/3/2012																										
P-102	10/26/1993	NR																									
	04/11/1994	NR																									
	10/11/2001	NR																									
	05/21/2002	NR			NA																	NA				**0.33J**	
	08/20/2002	NR																				NA				**0.62**	
	12/04/2002	NR																								**0.68**	
	04/21/2003																		0.48 J&							**0.83**	
	10/22/2003																									**0.96**	
	04/27/2004																									**2.1**	
	10/14/2004								0.5 J																	**0.32**	
	1/27/2005																										
	4/27/2005																										
	8/3/2005																										
	8/3/2005 dup																										
	10/25/2005																										
	2/1/2006																										
	4/27/2006																										
	4/27/2006 dup																										
	7/27/2006								0.66 J																		
	11/1/2006																										
	2/15/2007																										
	5/2/2007																										
	8/14/2007																										
	10/16/2007	2.9 J																									
	5/6/2008																										
	10/2/2008																										
	4/8/2009																										
	11/4/2009																										
	11/4/2009 Dup																										
	5/20/2010																										
	4/11/2011																										
	4/3/2012	9.1 J																									

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

		Parameters																								
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromoethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-103 [2]	10/27/1993	NR													410											75	
	04/11/1994	NR													1100											440	
	04/01/94 Dup	NR													970											410	
	05/01/1996	NR				7J									740	9J								10J		170	
	05/01/96 Dup	NR				8J			9 J						840	10J								11J		180	
	10/01/1996	NR	3.3			8.1 J	1.9		1.1	0.76J		0.99 J		0.30 J	520 E	5	1.9							4.7		98 E	
	05/01/1997	NR	4.3			8.5	2.7			0.98		1.2	0.52	0.75	790	4.7	1.6			0.27				5.6		230	
	10/01/1997	NR	4.2			7.9	2.4			1.4		0.89	0.38		550J	5.2	1.5			0.38		3.1		6.6		220J	
	04/98*	NR																									
	10/01/1998	NR	2			5.7									260	3.3								5.8		45	
	04/01/1999	NR	1.4			4.7									150	2.4								3.9		47	
	10/01/1999	NR				5.2									170	2.6								2.4		48	
	05/01/2000	NR	1.8			6.5									170	3.4								4.1		60	
	10/01/2000	NR	1.6			6.9	3.1			0.84		0.33			130	4.5	0.75							6.6		78	
	05/01/2001	NR	1.2			5.7	1.5			0.92					94	3.4	0.54		2.6L			1.1		4.5		46	
	10/11/2001	NR	1.1		80	2.6	0.62			0.54					25	2.7			6.4L				0.8			15	
	2/4/2002	NR	1.8		NA	6.4	1.1			0.81		0.36			71	5.5	0.53		0.28		0.13	NA	0.72	3.1		40	
	5/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/2003		0.8			1.3									58	1.9								1.7		21	
	04/28/2004		0.61 J		26	0.53 J									16									1.9		6.7	
	10/13/2004	56	1.4			1.7			0.52						12	2.5							0.89	0.78		7.9	
	4/26/2005		1.2			2.8									1.9	3.0							0.71			1.8	
	4/25/2006	31			8.0 J	0.62 J									5.2									0.48 J		1.8	
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/2007				6.1J										10									0.82J		0.34	
	5/2/2007					1.7									14									1.7		0.75	
	10/18/2007														26									2.8		2.2	
	5/5/2008					0.63J									15.7									3.4			
	10/2/2008					0.43J									12.3									3.8			
	4/7/2009														7.7									3.1			
	10/28/2009														4.6									2.4			
	2/25/2010														2.9									2.1			
	5/24/2010														4									2.1			
	10/4/2010														3.5				0.73J					2.4			
	1/26/2011														2.9									2.7			
	4/11/2011														2.7									2.1			
	7/11/2011														4.2				0.74J					2.3			
	10/19/2011														4.3									3			
	1/24/2012														3.2									2.6			
	4/3/2012														2.9									2.3			
	4/3/2012 Dup														3.3									2.4			
	7/25/2012														2									2.2			
	10/17/2012														2.1									1.7			

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)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-103	10/27/1993	NR																									
	04/12/1994	NR																									
	05/9/1996	NR													0.1J								0.1J			0.1J	
	10/31/1996	NR							0.84 J																		
	05/13/1997	NR																									
	10/27/1997	NR																									
	04/13/1998	NR																									
	2/4/2002	NR			NA																	NA					
	05/21/2002	NR			NA										[0.54]							NA					
	10/13/2004								0.52 J																	1.7	
	1/26/2005																										
	1/26/2005 dup																										
	4/26/2005																									2.4	
	8/3/2005																									3.2	
	10/26/2005																									3.2	
	02/01/2006																									3.6	
	4/25/2006																									2.9	
	7/28/2006								0.49 J																	1.6	
	11/1/2006																									1.4	
	2/1/2007																									1.5	
	5/2/2007																									1.6	
	8/14/2007																									1.4	
	10/18/2007																									1.2	
	5/5/2008																									0.74	
	5/5/2008 Dup																									0.81	
	10/2/2008																									0.81J	
	10/2/2008 Dup																									0.89J	
	4/7/2009																									0.75J	
	10/28/2009								0.43J																	0.58J	
	2/25/2010								0.52J																	0.49J	
	5/24/2010																										
	10/5/2010																		0.53J							0.41J	
	1/25/2011																									0.34J	
	4/12/2011																									0.39J	
	7/11/2011																										
	10/18/2011																									0.29J	
	1/24/2012																									0.28J	
	4/4/2012																									0.28 J	
	7/25/2012																										
	10/17/2012																										
P-103D	02/4/2004				NA														0.55J			NA				1.1	
	05/11/2004																									1.5	
	05/11/04 dup																									1.5	
	07/23/2004																									1.3	
	07/23/04 dup																									1.5	
	10/13/2004								0.43 J						0.86 J												
	04/26/2005														0.84 J											3.0	
	10/26/2005														0.98 J											2.7	
	10/26/2005 dup														0.95 J											2.8	
	4/25/2006																									2.6	
	11/1/2006																									1.9	
	5/2/2007																									1.4	
	10/18/2007																									1.2	
	5/5/2008																									0.69	
	5/5/2008 Dup																									0.66	
	10/2/2008																									1.1	
	10/2/2008 Dup																									1.5	
	4/7/2009																									0.77J	
	4/7/2009 Dup																									0.74J	
	10/28/2009								1.1																	0.75J	
	2/25/2010																									0.64J	
	5/24/2010																										
	10/5/2010																		0.86J							0.71J	
	1/25/2011																										
	4/11/2011																									0.69J	
	7/11/2011																									0.78J	
	10/18/2011																									0.54J	
	1/24/2012																									0.73J	
	4/4/2012	10.7 J																								0.98 J	
	7/25/2012																										
	10/17/2012																										

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

		Parameters																										
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
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					0.2J	0.5J		10	
	10/30/1996	NR	0.64 J			1.1	0.34 J		0.46 J						3.6	0.22 J		0.80 J						0.31 J		4.3	0.77 J
	05/12/1997	NR	4.8			4.5	1.5			0.91					1.1					0.32						4.5	
	10/27/1997	NR	0.63			1.3				0.85					7.3											18	
	04/13/1998	NR	1.2												74	0.67							0.46	3.5		17	
	10/13/1998	NR	1.7							0.76					3.3											15	4.1
	04/07/1999	NR	3.2			1.4									6.6									0.71		6.1	
	10/27/1999	NR	3.5			5.4				0.92					4.5											2.8	
	05/2/2000	NR	3			5.7				1.5					0.7								0.13			1.1	
	10/30/2000	NR	2			6.2				1.6					2.6								0.12	0.33		29	
	05/1/2001	NR	2.5			5.6				2	0.47				7				0.51L			0.81	0.13	0.66		8.6	
	10/11/2001	NR	3.1			9.5				2.3				0.85	2				0.39L				0.1			2.2	
	02/5/2002	NR	2.7		NA	8				2	0.19				5.1							NA	0.17	0.73		13	
	05/21/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/2003		1.8		6.9J	3.1									4.6											6.5	
	10/23/2003	3.2	4			7.8				1.8					3.3											8.6	
	04/28/2004		2.4			6				2.2J					6.4											8.7	
	10/13/2004		2.5			6.5				2.2J					10											20	
	4/27/2005		1.7			5.4				2.1 J																0.64	
	10/25/2005		1.4			6.9				2.5 J					3.9											13	
	4/25/2006		1.4		4.6J	4.9				2.2J					1.0 J											1.1	
	11/2/2006		1.2 J			4.8				1.7 J																	
	11/2/2006 dup		1.3 J			5																					
	5/2/2007		0.8J			4				2.0J																	
	10/18/2007		0.75 J			6				2.0J																	
	5/6/2008		0.62J			3.3				1.8																	
	10/1/2008		0.52J			3.7				1.9																	
	4/7/2009		0.68J			3.5				2.3																	
	11/4/2009					3.9				1.9																	
	5/20/2010					3.5				2.4																	
	4/11/2011					3.1				1.9																	
	10/19/2011					3.6				2																	
	4/3/2012		0.41J			3.5				1.9																	
	10/17/2012					2.8				1.8																	
P-104	10/27/1994	NR																									
	04/19/1994	NR																									
	05/09/1996	NR																									
	10/30/1996	NR							0.20 J																		
	05/12/1997	NR																									
	10/27/1997	NR																									
	04/13/1998	NR																									
	10/11/2001	NR																	0.52L								
	02/5/2002	NR	0.18		NA				0.85													NA					
	5/21/2002	NR			NA																	NA					
	08/20/2002	NR																				NA					
	10/13/2004								0.45 J																		
	10/13/04 Dup																										
	8/3/2005																										
	8/3/05 Dup																										
	7/28/2006																										
	8/14/2007																										
	5/5/2008																										
	4/7/2009																										
	5/26/2010																										
	4/12/2011																										
	4/3/2012																										

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

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-106	10/1/1993	NR																									
	04/01/1994	NR																					11				
	02/04/02	NR			NA																	NA	0.25				
	05/21/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	120/5/02 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 •	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																										
	4/27/2005																										
	4/27/05 Dup																										
	7/28/06•	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/31/2006•	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/15/2007																										
	8/14/2007																										
	4/30/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										
	4/3/2012																										
P-106	10/01/1993	NR																						0.6J			
	04/01/1994	NR																						0.8J			
	05/01/1996	NR													0.2 J									0.8J			
	10/01/1996	NR							0.62J															0.22 J			
	05/01/1997	NR																						0.65			
	10/01/1997	NR																						0.67			
	04/01/1998	NR																						0.61			
	10/01/1998	NR																						0.71			
	04/01/1999	NR																						0.58			
	10/1/1999	NR																						0.61			
	05/01/2000	NR																						0.56			
	10/01/2000	NR																						0.6			
	05/01/2001	NR																						0.56			
	10/11/2001	NR																						0.39			
	2/5/2002	NR			NA																	NA		0.6			
	02/05/02 Dup	NR			NA																	NA		0.6			
	05/22/2002	NR			NA																	NA		0.49			
	05/22/02Dup	NR			NA																	NA		0.47 J			
	08/20/2002	NR																				NA		0.43 J			
	12/4/2002	NR																						0.53			
	04/22/2003																							0.55 J			
	10/21/2003																							0.56			
	10/21/03 Dup																										
	4/27/2004																										
	10/13/2004								0.9															0.84 J			
	4/27/2005																										
	10/25/2005																										
	4/28/2006																										
	11/1/2006																										
	5/1/2007																										
	10/22/2007																										
	4/30/2008																										
	10/1/2008																										
	4/8/2009																										
	4/8/2009 Dup																										
	11/4/2009																										
	5/26/2010																										
	4/12/2011																										
	4/3/2012																										

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

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloromethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethane	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-107	10/27/1993	NR																						2			
	4/12/1994	NR																						2			
	5/9/1996	NR																						2			
	10/21/1996	NR							0.80 J															2.2			
	5/13/1997	NR									0.9													2.6			
	10/27/1997	NR									0.7													2			
	4/14/1998	NR																						2.1			
	10/13/98*	NR																						NA			
	4/6/1999	NR																						1.8			
	10/27/1999	NR																						1.1			
	5/2/2000	NR																						1.6			
	10/31/2000	NR																						1.2			
	5/31/2001	NR									0.47								0.57L					1.8			
	10/11/2001	NR																						0.87			
	2/4/2002	NR			NA						0.35											NA		1.4			
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003																		0.52 J					1.2			
	10/21/2003																							2.2			
	4/27/2004																							1.9			
	10/13/2004								0.63 J															0.65 J			
	4/27/2005																							1.1			
	10/27/2005																							0.79 J			
	4/25/2006																		0.49 J					0.55 J			
	10/31/2006																										
	5/1/2007																							0.86			
	10/17/2007																							0.53 J			
	5/5/2008																										
	10/1/2008																										
	4/7/2009																										
	10/28/2009								1.6															0.51J			
	5/24/2010																										
	10/4/2010																		0.70J								
	1/26/2011																										
	4/11/2011																										
	10/18/2011																										
	4/3/2012																										
	10/17/2012																										

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

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-107	10/27/1993	NR													4											**6**	
	4/12/1994	NR													2								0.7J			**3**	
	4/12/94 Dup	NR													2								0.7J			**3**	
	5/9/1996	NR	0.1 J				0.2 J								2								0.1 J	0.1 J		**2**	
	10/23/1996	NR					0.19		0.79 J						1.9											**2.3**	
	10/23/96 Dup	NR					0.21		0.49 J						2.1											**2.7**	
	5/14/1997	NR													1.3											**2**	
	5/14/97 Dup	NR													1.1											**1.7**	
	10/27/1997	NR													2.2											**2.6**	
	10/27/97 DUP	NR													1.8											**2.3**	
	4/14/1998	NR													2.3											**2.2**	
	4/14/98 Dup	NR													2.3											**2.4**	
	10/14/1998	NR													2.1											**1.5**	
	10/14/98 DUP	NR													2.4											**1.7**	
	4/6/1999	NR													1.5											**0.58**	
	10/27/1999	NR													1.8												
	10/27/99 Dup	NR													1.8												
	5/2/2000	NR													1.5											**1.2**	
	5/02/00 Dup	NR													1.6											**1.2**	
	10/31/2000	NR													1.4												
	10/31/00 Dup	NR													1.4												
	5/9/2001	NR													0.96				0.52L			0.72		1.8		**0.85**	
	5/9/2001 Dup	NR													0.97				0.49L			0.79				**0.86**	
	10/11/2001	NR													1.6											**1.7**	
	10/11/01 Dup	NR													1.5											**1.7**	
	2/4/2002	NR			NA										1.6							NA				**1.2**	
	5/21/2002	NR			NA										1.8							NA				**1.5**	
	5/21/02 Dup	NR			NA										1.7							NA				**1.4**	
	8/20/2002	NR													0.84							NA				**0.54J**	
	12/4/2002	NR													1.3											**1**	
	4/21/2003														1.5 J											**1**	
	04/21/2003 Dup														1.3 J												
	10/21/2003														1.3											**0.93**	
	4/27/2004														0.96 J											**0.61**	
	10/13/2004														0.89 J											**0.64**	
	10/13/04 Dup														1.1 J												
	4/27/2005																										
	10/27/2005																										
	4/25/2006																									**0.79**	
	10/31/2006																									**0.33J**	
	5/1/2007																									**0.76**	
	10/19/2007														0.92 J											**1**	
	5/5/2008																									**0.48J**	
	10/1/2008																										
	4/7/2009								0.24J																	**0.88J**	
	10/28/2009								1.6																	**0.64J**	
	5/24/2010																									**1.1**	
	10/5/2010																									**0.94J**	
	1/24/2011																										
	4/12/2011																									**0.84J**	
	10/18/2011																									**0.54J**	
	4/4/2012	10.7 J																								**1.1**	
	10/17/2012																										

Table 2. Groundwater VOC Analytical Results for Monitoring Wells
FFNN Landfill, Ripon, WI

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-107D	10/27/1993	NR													2B											**6**	
	4/13/1994	NR																									
	5/9/1996	NR	0.1J						0.3J						0.2J								0.3J			**0.6J**	
	10/23/1996	NR							0.44 J																	**3.9**	
	5/14/1997	NR													0.49											**2.4**	
	10/27/1997	NR													1.7											**5.1**	
	4/14/1998	NR													1											**4.1**	
	10/14/1998	NR																								**2.2**	
	4/6/1999	NR													0.34											**0.87**	
	10/27/1999	NR																								**1.7**	
	5/2/2000	NR																								**1.3**	
	10/31/2000	NR													0.64												
	01/05/2001	NR		0.33											1.5				0.44L			0.72B				**5.6**	
	10/11/2001	NR													2.2											**10**	
	2/4/2002	NR			NA										1.2							NA		0.17		**3.9**	
	02/04/02 Dup	NR													1.2											**3.9**	
	5/21/2002	NR			NA										1.1							NA				**3.3**	
	8/20/2002	NR													1.1							NA				**3.1**	
	12/4/2002	NR													0.75											**0.81**	
	4/21/2003														1.3J											**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						2.0J											**5.9**	
	4/27/2005														1.3 J											**3.1**	
	4/27/05 Dup						1.9 J								2.5											**6.2**	
	10/27/2005						1.2 J								2.0 J											**4.3**	
	4/25/2006						2.3 J								3.1				0.68 L							**7.7**	
	10/31/2006						2.0 J								2.1 J											**4.3**	
	5/1/2007						1.6J								2.5J											**6.2**	
	5/1/2007 Dup						1.6J								2.9											**6.7**	
	10/19/2007																									**3**	
	5/5/2008																									**1.3**	
	10/1/2008																									**1.6**	
	4/7/2009								0.96J																	**2.5**	
	10/28/2009																									**2**	
	2/25/2010								0.25J																	**1.8**	
	5/24/2010																									**4**	
	10/5/2010																									**1.6**	
	1/24/2011																									**2.6**	
	4/12/2011																									**2.6**	
	7/11/2011														1.2											**5.3**	
	10/18/2011																									**1.8**	
	1/23/2012																										
	4/4/2012																									**4.5**	
	7/25/2012																									**2.1**	
	10/17/2012																									**2**	

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

Sampling Point	Collection Date	Parameters																								
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloromethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-108	10/18/1993	NR																					11				
	4/13/1994	NR																					2				
	5/8/1996	NR													0.2 J								0.2 J				
	10/23/1996	NR							0.85 J																		
	5/12/1997	NR																									
	10/27/1997	NR																									
	4/14/1998	NR																									
	10/11/2001	NR																	0.34L								
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002	NR																									
	10/14/2004														1.2 J									1.3 J		0.67	
	4/27/2005														1.0									0.7		0.3	
	8/3/2005																							0.70J			
	10/25/2005																										
	02/01/2006																										
	4/28/2006																										
	7/27/2006								0.36 J																		
	11/2/2006																										
	2/1/2007																										
	5/2/2007																										
	8/14/2007																										
	10/16/2007																										
	5/6/2008	2.7J																									
	10/2/2008																										
	4/8/2009																										
	11/4/2009																										
	11/4/2009 Dup																										
	5/20/2010																										
	5/20/2010 Dup																										
	4/11/2011																										
	4/11/2011 Dup																										
	4/2/2012																										
P-108	10/25/1993	NR																									
	10/25/93 Dup	NR																									
	4/13/1994	NR																									
	4/13/94 Dup	NR																									
	10/11/2001	NR																	0.32L								
	2/5/2002	NR			NA																	NA					
	5/21/2002	NR			NA																	NA					
	10/14/2004								0.45 J																		
	1/28/2005																										
	10/25/2005																										
	7/27/2006								0.75 J																		
	8/14/2007										2.7 J																
	5/6/2008																										
	4/8/2009																										
	5/20/2010																										
	4/11/2011																										
	4/2/2012																										

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

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-111	4/19/1994	NR																									
	10/11/2001	NR																	0.30L								
	05/21/2002*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002	NR																				NA					
	12/5/2002	NR																									
	10/13/2004																										
	10/26/2005																										
	4/24/2006																										
	8/8/2007																										
	5/5/2008																										
	4/7/2009																		0.44J								
	10/28/2009																										
	5/24/2010																										
	10/4/2010																		0.80J								
	1/26/2011																										
	4/11/2011																										
	4/3/2012																										
P-111	4/19/1994	NR																					2				
	10/11/2001	NR																									
	2/5/2002	NR			NA																	NA					
	5/22/2002	NR			NA																	NA					
	8/19/2002	NR																				NA					
	08/19/02 Dup	NR																				NA					
	12/5/2002	NR																									
	12/05/02 Dup	NR																									
	4/22/2003																										
	10/22/2003																										
	4/28/2004																										
	8/3/2005																										
	7/27/2006																										
	8/8/2007																										
	5/5/2008																										
	4/7/2009																										
	10/28/2009																										
	5/24/2010																										
	10/5/2010																										
	1/24/2011																										
	4/13/2011																										
	4/4/2012	10.5J																									

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

Sampling Point	Collection Date	Parameters																								
		Acetone [1]	Benzene	Bromoethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-111D	4/4/2002	NR													0.6								0.3			13	
	5/22/2002	NR			NA										0.59 J							NA				15	
	8/19/2002	NR													0.37 J							NA				12	
	12/5/2002	NR													0.42 J											11	
	4/23/2003																									12	
	10/23/2003																									9.1	
	5/11/2004						1.4																			15	
	07/23/2004																									14	
	10/13/2004						1.9 J																1.6 J			11	
	1/27/2005																									8.8	
	4/26/2005						3.7								0.87 J											13	
	4/26/05 Dup						3.5																			13	
	8/3/2005								2.9 J						0.96 J											10	
	10/26/2005						3.1 J								1.1 J											10	
	10/26/2005 dup						2.7 J								0.93 J											10	
	02/01/2006						4.2								0.89 J											11	
	4/24/2006						2.8 J								1.3 J											11	
	7/27/2006								0.30 J						1.2 J											10	
	10/31/2006						1.4 J								1.3 J											8.5	
	1/31/2007						3.0J								1.4J											8.2	
	5/1/2007						3.1J								1.3J											8.2	
	8/8/2007						2.9 J								1.5 J											8.5	
	10/17/2007						2.7 J								1.5 J											8	
	5/5/2008														1.5											4.7	
	10/2/2008						1.8								1.5											5.7	
	4/7/2009						1.4								1.7											5.5	
	10/28/2009						1.8								1.5											5	
	2/25/2010						1.8								1.5											4.4	
	2/25/2010 Dup						1.5								1.5											3.9	
	5/24/2010						1.9								1.5											5.9	
	5/24/2010 Dup						1.8								1.4											4.4	
	10/5/2010						1.5								1.3				0.55J							4.7	
	10/5/10 Dup						1.6								1.3				1.2							4.7	
	1/24/2011						1.9								1.1											5.2	
	1/24/11 Dup						1.7								1.4											4.5	
	4/13/2011						2.3								1.6											5.8	
	4/13/2011 Dup						2.8								1.3											7.1	
	7/11/2011														1.4				0.88J							5.3	
	10/18/2011						1.5								1.4											4.5	
	10/18/2011 Dup						1.4								1.5											4.8	
	1/23/2012						2								1.7											4.3	
	4/4/2012	8.0 J					2.1								2											6	
	4/4/2012 Dup	8.3 J					2								2											5.7	
	7/25/2012														1.6											6.5	
	10/17/2012						1.3								1.7											7.2	
	10/17/2012 Dup						1.8								1.9											6.9	

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

Sampling Point	Collection Date	Parameters																									
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
MW-112	11/27/1996	NR	0.6J				2 J								59	1 J								3J		15	
	11/27/96 Dup	NR	0.7J				2 J								58	1 J								4J		16	
	5/12/1997	NR	0.59			0.27									5.4											2.2	
	10/26/1997	NR	0.5			0.29									1.3												
	4/13/1998	NR	0.69				1.4								57	1.3								1.9		12	
	10/13/1998	NR	0.76												80									1.2		25	
	4/6/1999	NR	0.72				1.4								40	0.56								1.7		7.9	
	10/27/1999	NR													7.6									1			
	5/2/2000	NR	0.46												3.4									0.39			
	10/30/2000	NR				0.37									5.6									0.37			
	5/9/2001	NR	0.42			0.42									3.5											0.98	
	10/11/2001	NR	0.36			0.39	0.53								27									0.83		3.7	
	2/4/2002	NR	0.23		NA	0.48									0.49							NA					
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002														150									2.7 J		56	
	4/22/2003		1.2 J				7.4 &								220	4.5 J								5.9		45	
	10/22/2003	2.5	0.88				5.9								60	1.4								1.6		51	
	4/28/2004		0.53 J			0.45 J	4								18									1.1 J		9.9	
	4/28/04 dup	6.5	0.61 J			0.48 J	4.7								22									1.1 J		9.3	
	07/23/2004	110	1.1				23								140	2.6	0.58				1			7.4		31	
	10/13/2004		1.0 J			0.42	14								110	2.4 J								2.9		25	
	10/13/04 Dup		0.87 J				15		0.56 J						94	2.1 J					0.60 J			2.9		29	
	1/26/2005		0.76 J				20								85	2.3 J										27	
	4/26/2005		0.6 J				13								64	1.2 J								1.8		17	
	8/3/2005					0.48 J									4.6											1.5	
	10/25/2005														2.5 J											1.4	
	02/01/2006		0.41 J			0.45 J	3.2 J								11									0.76 J		4.9	
	4/25/2006					0.48 J	0.97 J								5.4											2.8	
	7/27/2006					0.43 J			0.24 J						2.9											1.7	
	7/27/2006 dup								0.52 J																	1.5	
	11/2/2006														2.3 J											1.7	
	2/1/2007					0.46J	1.4J								3.8											2.5	
	5/2/2007					0.53J	1.3J								6.1											2.6	
	8/14/2007					0.51 J									4.4											1.8	
	8/14/2007 dup					0.51 J									4.9											1.6	
	10/18/2007					0.49 J									4											1.2	
	5/5/2008														33.3									1.8		1.3	
	10/2/2008														13.3									0.60J		0.79J	
	4/7/2009														5.1									0.57J		0.56J	
	11/4/2009																										
	5/20/2010														2.7											0.33J	
	4/11/2011														1.8												
	7/11/2011														5.3				0.60J					1.5		0.27J	
	10/19/2011														1.4												
	1/24/2012																							0.76J			
	4/3/2012																										
	7/25/2012														1.5												
	10/17/2012																										

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

		Parameters																								
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-113A	9/12/2002	NR						0.37J															1.0J				
	12/3/2002	NR																									
	4/23/2003																						2.2				
	10/22/2003																										
	5/11/2004																										
	8/2/2005																										
	7/27/2006								0.84																		
	8/8/2007																										
	5/6/2008																										
	4/6/2009																										
	10/29/2009								0.42J																		
	5/25/2010																										
	10/6/2010																										
	1/25/2011																										
	4/13/2011																										
	7/12/2011																		1.3								
	10/19/2011																										
	1/23/2012																										
	4/4/2012	7.5 J																									
	7/25/2012																										
	10/16/2012																										
P-113B	09/11/2002 [3]	NR						1										0.41J					6.6				2.6
	12/3/2002	NR																									
	4/23/2003																										
	7/30/2003																										
	10/22/2003																										
	2/4/2004																										
	5/11/2004																										
	07/22/2004																										
	10/14/2004								0.49 J																		
	1/27/2005																										
	4/27/2005																										
	8/2/2005																										
	10/26/2005								0.42 J																		
	02/01/2006																										
	4/24/2006																										
	7/27/2006								0.49 J																		
	10/31/2006																										
	1/31/2007																										
	5/1/2007																										
	8/8/2007																										
	10/19/2007																										
	5/6/2008																										
	10/1/2008								0.29J																		
	4/6/2009																										
	4/6/2009 Dup																										
	10/29/2009																										
	5/25/2010																										
	10/6/2010																		0.51J								
	1/25/2011																		1.6								
	4/13/2011																										
	7/12/2011																		1.3								
	10/19/2011								0.43J																		
	1/23/2012																										
	4/4/2012																										
	7/25/2012																										
	10/16/2012																										

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

		Parameters																								
Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-114 (former Ehster well)	11/19/2001	NR													0.93											7	
	2/5/2002	NR													0.85											5.5	
	5/22/2002	NR													1.2											6.2	
	8/21/2002	NR													0.93											5.4	
	12/3/2002	NR													1.3								0.40J			6.3	
	4/23/2003																									3.3	
	10/23/2003														1.2											8.6	
	10/23/03 Dup														1.4											9.2	
	5/11/2004														1.5 J											10	
	07/22/2004														1.4 J											7.9	
	10/13/2004								0.39 J						1.7 J											10	
	1/27/2005																									3.5	
	4/26/2005																									3.0	
	8/2/2005														1.1 J											6.1	
	10/26/2005								0.84						1.3 J											6.6	
	10/26/2005 dup								0.49						1.4 J											6.9	
	01/31/2006														1.3 J											8.4	
	4/24/2006														1.3 J											7.6	
	4/24/2006 dup														1.3 J											7.9	
	7/27/2006								0.48 J						1.6 J											8.9	
	7/27/2006 dup								0.38 J						1.6 J											8.7	
	11/2/2006														2.7 J											13	
	11/02/2006 dup														2.7 J											13	
	2/1/2007														1.2J				0.46J							7.5	
	2/1/2007 dup														1.4J											8.5	
	5/1/2007														1.1J											7.4	
	5/1/2007 dup														1.2J											7.8	
	8/8/2007														1.1 J											6.7	
	8/8/2007 dup														1.2 J											7.5	
	10/22/2007														0.95 J											7.8	
	10/22/2007 Dup														1.2 J											8.1	
	5/6/2008														1.5											6.6	
	10/2/2008														1.2											6.1	
	4/6/2009														1.6				0.47J							6.5	
	10/29/2009								1.5						1.5											4.7	
	2/26/2010														1.6											5.1	
	5/26/2010														1.3											4.5	
	5/26/2010 Dup														1.3											4.3	
	10/6/2010														1.4											5.4	
	10/6/10 Dup														1.3											5.4	
	1/25/2011														1.3											4.8	
	1/25/11 Dup														1.3											5.3	
	4/13/2011														1.6											8.2	
	4/13/2011 Dup														1.7											8.5	
	7/12/2011														1.3				0.80J							5.6	
	7/12/2011 Dup														1.5				0.67J							5.8	
	10/19/2011														1.2											5.6	
	10/19/2011 Dup														1.3											5.5	
	1/23/2012														1.1											5	
	1/23/2012 Dup														1.3											5.1	
	4/4/2012														1.5											7.2	
	4/4/2012 Dup														1.5											7.5	
	7/25/2012														1.2											6.5	
	7/25/2012 Dup														1.4											6.3	
	10/17/2012														1.6											6.6	
	10/17/2012 Dup														1.6											6.4	

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

Sampling Point	Collection Date	Parameters																									
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-115 (former Wiese well)	10/9/2001	NR																									
	10/09/01 Dup	NR																									
	11/19/2001	NR																									
	2/5/2002	NR																									
	5/22/2002	NR																									
	8/19/2002	NR							0.20J																		
	12/3/2002	NR																									
	4/22/2003																										
	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	
	4/13/2011																									1.4	
	7/12/2011																		0.69J							0.99J	
	10/19/2011																									1	
	1/23/2012																									0.77J	
	4/4/2012	7.2J																								1.3	
	7/25/2012																									1.1	
	10/17/2012																										

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

Sampling Point	Collection Date	Parameters																									
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloromethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	1	90	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	0.5	12	0.5	10	200	0.5	NE	0.02	1000
NR140	ES	1000	5	10	460	NE	400	6	3	75	1000	850	5	7	70	100	5	700	5	60	5	50	1000	5	NE	0.2	10000
P-116 (former Hadel well)	10/9/2001	NR																									
	11/19/2001	NR																									
	2/5/2002	NR																									
	5/22/2002	NR																									
	8/19/2002	NR																									
	08/19/02 Dup	NR																									
	12/3/2002	NR																									
	12/03/02 Dup	NR																									
	4/22/2003																										
	7/30/2003																										
	10/22/2003																										
	2/4/2004																										
	5/11/2004																										
	7/22/2004																										
	10/14/2004																										
	1/27/2005																										
	4/26/2005																										
	8/2/2005																										
	10/26/2005																										
	1/31/2006																										
	01/31/06 Dup																										
	4/24/2006																										
	7/27/2006								0.35 J																		
	10/31/2006																										
	2/1/2007																										
	5/1/2007																										
	8/8/2007																										
	10/22/2007																										
	5/6/2008																										
	10/2/2008																										
	4/6/2009																										
	10/29/2009																										
	2/26/2010																		1.1								
	5/25/2010																										
	10/6/2010																		0.44J								
	1/25/2011																										
	4/13/2011																										
	7/12/2011																		0.46J								
	10/19/2011																										
	1/23/2012																										
	4/4/2012																										
	7/25/2012																										
	10/17/2012																										

Results in µg/L

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

PAL = Preventive Action Limi
ES = Enforcement Standard
Underline indicates exceeds NR 140 PAI
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 20

* Not sampled due to insufficient water for sample collectio

[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 2(

[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 2(

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

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

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
MW-101	2/1/2007									558	6.59	7.4
	5/1/2007									1021	6.92	13.1
	5/6/2008									782	7.18	12.4
	4/8/2009									940	6.75	12.5
	10/29/2009	<0.20	0.39	>2.5	>100	<0.2	0.015	-98	3.17	914	6.85	11.8
	5/25/2010	<0.20	0.08	>2.5	>100	<0.2	0.0192	-73	1.65	961	6.55	25.3
	10/4/2010	0.08			>100		0.0136	-63	2.13	1265	6.95	15.8
	1/26/2011			>2.5				-14	2.51	938	7.39	6.2
	4/11/2011									1020	7.48	14.1
	4/3/2012									960	7.10	13.0
MW-103	2/1/2007									2670	6.95	5.7
	5/2/2007									1180	6.64	10.8
	10/18/2007									1609	6.74	13.0
	5/5/2008									1420	7.06	12.2
	10/2/2008									1411	6.69	11.3
	4/7/2009									1433	7.17	10.3
	10/28/2009	<0.20	>0.80	0.42	>100	<0.2	0.00042	24	4.21	1780	6.79	10.7
	2/25/2010	>1.5	<0.08	<0.1	>100	<0.2	<0.0028	55	4.1	2	6.96	8.6
	5/24/2010	>1.5	<0.08	0.11	>100	<0.2	<0.0028	86	2.84	2110	6.49	17.7
	10/4/2010	>1.5			>100		0.0235	46	3.33	1920	7.22	12.9
	1/26/2011			0.09				62	4.52	1700	7.22	5.5
	4/11/2011			0.07				136	5.02	1217	6.79	13.8
	7/11/2011			0.13				33	3.54	1660	7.14	18.7
	10/19/2011			<0.1				171	4.01	1580	6.88	8.7
	1/24/2012			<0.1				144	3.28	1930	6.98	6.1
	4/3/2012			<0.1				98	3.25	2130	6.88	12.4
	7/25/2012			0.323				58	2.56	1950	6.71	21.4
	10/17/2012			<0.1				59	6.02	1690	6.96	12.7
MW-104	10/19/2011									1312	6.78	9.9
	4/3/2012									1134	6.90	12.3
	10/17/2012									1517	6.71	12.7
MW-107	4/21/2003						0.13	185.70	21.27	1021	7.00	9.84
	4/22/2003				30			74.10	5.70	1024	7.06	10.32
	10/21/2003	3.3			32			79.30	5.80	1211	6.92	9.64
	5/1/2007									570	6.93	10.5
	10/17/2007									1297	7.09	13.1
	5/5/2008									796	7.54	11.5
	10/1/2008									1240	6.86	10.1
	4/7/2009									1226	7.50	10.2
	10/28/2009	>1.5	0.18	0.61	>100	<0.2	<0.000180	-1	5.78	956	7.13	11.6
	5/24/2010	>1.5	0.32	1.86	>100	0.71	<0.0028	61	3.08	1087	6.89	20.7
	10/4/2010	>1.5		0.7	49.95		ND	76	6.38	1650	7.62	10.6
	1/26/2011			0.85				45	4.74	249	7.35	6.0
	4/11/2011									1100	8.12	11.2
	10/18/2011									1225	7.51	10.1
	4/3/2012									983	7.50	11.5
	10/17/2012									1076	7.10	13.0
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
	4/11/2011									900	7.94	11.2
	4/3/2012									846	7.60	11.7
MW-112	7/11/2011			>2.5				-51	1.49	951	7.34	16.5
	10/19/2011			>2.5				-46	1.12	907	7.01	8.9
	1/24/2012			>2.5				-26	1.32	1060	7.16	8.0
	4/3/2012			>2.5				-77	1.19	1210	6.96	11.7
	7/25/2012			>2.5				-75	1.37	1071	6.89	18.9
	10/17/2012			>2.5				-113	1.08	992	7.15	12.7
P-101	12/4/2002				50			-53.5	0.08	843	7.12	9.26
	4/22/2003				51			-36.9	0.81	646	7.46	10.12
	10/23/2003	<0.058			49			-65.5	0.66	754	7.04	10.20
	5/1/2007									828	7.57	11.7
	5/6/2008									735	7.69	11.3
	4/8/2009									749	7.24	11.4
	10/29/2009	0.39	0.12	1.84	71.36	<0.2	0.00059	-108	2.2	880	7.32	11.2
	5/25/2010	<0.20	<0.08	1.38	70.81	<0.2	<0.0028	-48	1.04	925	6.62	25.5
	10/4/2010	0.08			69.72		ND	-92	1.9	948	7.51	15.0
	1/26/2011			1.24				-31	2.65	829	7.26	5.8
	4/11/2011									840	7.96	12.8
	4/3/2012									776	7.40	11.6

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 to2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-103	12/4/2002				54		0.037	-60.50	1.17	956	7.00	9.49
	4/21/2003				58			-29.90	0.71	388	7.28	10.50
	10/22/2003	0.41			54			-147.10	0.82	874	7.17	10.06
	2/1/2007							172	0.53	903	6.86	9.0
	5/2/2007							206	0.92	896	6.78	9.9
	8/14/2007							226	0.70	863	7.09	11.4
	10/18/2007							300	0.51	863	6.35	11.0
	5/5/2008							30	0.93	956	6.98	10.5
	10/2/2008							323	1.37	888	6.70	10.8
	4/7/2009							-95	1.09	813	7.40	9.8
	10/28/2009	0.45	<0.08	<0.1	78.95	<0.2	0.052	-125	0.85	739	7.19	10.2
	2/25/2010	>1.5	NM	NM	83.29	<0.2	0.0416	-120	1.62	845	7.25	9.0
	5/24/2010	<0.20	<0.08	>2.5	89.8	<0.2	0.0489	-104	0.38	815	7.00	11.2
	10/5/2010	0.08			85.02		0.0562	-128	1.15	874	7.86	10.9
	1/25/2011			2.5				-69	0.64	776	7.60	9.3
	4/12/2011			>2.5				-125	1.22	906	7.19	10.0
	7/11/2011			>2.5				-123	0.83	743	7.92	11.5
	10/18/2011			>2.5				-76	1.60	737	7.38	10.3
	1/24/2012			>2.5				-47	0.65	878	7.27	9.0
	4/4/2012			2.489				-96	0.93	985	7.26	10.2
	7/25/2012			>2.5				-100	0.67	855	6.94	11.7
	10/17/2012			>2.5				-101	1.00	808	6.83	10.5
P-107	12/4/2002	NM	NM	NM	66		0.11	-28.00	0.86	791	7.22	9.40
	4/21/2003				74			37.30	0.76	646	7.43	9.62
	10/21/2003	<0.058						-70.40	0.92	716	7.18	9.73
	5/1/2007							240	1.64	840	6.66	9.6
	10/19/2007							330	1.80	863	6.42	10.7
	5/5/2008							8	1.50	925	7.50	11.0
	10/1/2008							350	2.63	923	6.66	10.2
	4/7/2009							-95	1.75	852	7.34	9.0
	10/28/2009	<0.20	<0.08	1.68	89.8	<0.2	0.31	-78	1.19	778	7.08	10.9
	5/24/2010	<0.20	<0.08	1.76	99.39	<0.2	0.383	-70	1.12	869	6.92	13.2
	10/5/2010	0.06			88.68		0.345	-117	1.84	930	7.86	10.8
	1/24/2011			1.33				-28	1.82	838	6.73	7.8
	4/12/2011							-68	1.39	966	7.16	10.1
	10/18/2011							-49	1.50	796	7.34	10.4
	4/4/2012							-82	1.64	1051	7.26	10.2
	10/17/2012							-88	1.55	886	7.28	11.3
P-111	12/5/2002				44			-88.30	-0.03	639	7.43	9.76
	4/22/2003				39			-74.20	0.67	486	7.71	12.06
	10/22/2003	<0.058			31			-94.00	0.75	566	7.53	9.87
	8/14/2007							118	0.35	580	7.46	11.1
	5/5/2008							65	0.35	614	7.72	10.5
	4/7/2009							-89	0.26	624	7.62	9.1
	10/28/2009	<0.20	<0.08	0.53	64.03	<0.2	0.0085	-140	0.48	616	7.57	10.1
	5/24/2010	<0.20	<0.08	0.61	70.99	<0.2	0.0051	-101	0.24	673	7.25	10.5
	10/5/2010	0.06			69.06		0.0065	-131	0.28	715	8.26	10.3
	1/24/2011			0.45				-98	0.58	632	7.35	9.1
	4/13/2011							-53	1.46	683	6.99	9.7
	4/4/2012							-104	0.60	832	7.53	9.9
MW-3B	12/5/2002				36			-87	-0.11	1248	6.57	9.84
	12/5/2002				36							
	4/22/2003				46			-92	0.37	815	7.18	9.86
	10/22/2003	<0.058			43			-161	0.55	662	7.45	9.79
	1/31/2007							140	0.51	710	7.27	8.2
	5/1/2007							125	1.32	703	6.99	9.5
	8/8/2007							-233	0.43	605	7.49	10.3
	10/19/2007							170	0.29	598	6.63	9.8
	5/6/2008							21	0.40	672	7.89	9.7
	10/1/2008							334	1.35	646	6.90	9.7
	4/7/2009							-116	0.20	604	7.48	8.8
	10/28/2009	<0.20	<0.08	0.72	37.68	<0.2	0.098	-230	0.35	567	7.65	9.4
	5/24/2010	<0.20	<0.08	0.78	50.67	<0.2	0.0275	-176	0.17	650	7.27	10.2
	10/5/2010	0.05		0.61	43.23		0.0159	-161	8.80	697	8.24	9.9
	1/24/2011			0.66				-109	0.44	614	6.90	8.4
	4/13/2011			0.84				-207	0.52	694	7.65	9.5
	7/12/2011			0.68				-195	0.96	591	7.54	9.9
	10/19/2011			0.71				-171	2.18	604	7.89	9.5
	1/23/2012			0.79				-110	0.28	734	7.37	8.7
	4/4/2012			0.861				-151	1.39	811	7.57	9.3
	7/25/2012			0.681				-231	0.39	693	7.65	11.6
	10/16/2012			0.72				-157	0.42	675	7.36	10.0

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-103D	5/2/2007							260	0.57	879	6.89	9.9
	10/18/2007							321	0.54	854	6.43	11.2
	5/5/2008							20	0.63	935	7.02	10.8
	10/2/2008							327	3.40	877	6.85	10.7
	4/7/2010							-110	0.45	808	7.61	10.0
	10/28/2009	<0.20	0.17	>2.5	76.38	<0.2	0.098	-146	0.52	746	7.30	10.2
	2/25/2010		<0.08	>2.5	78.05	<0.2	0.0747	-146	0.76	842	7.39	9.2
	5/24/2010	<0.20	<0.08	>2.5	88.88	<0.2	0.0303	-111	0.37	853	7.08	11.1
	10/5/2010	0.11			93.48		0.0659	-147	1.10	898	7.97	10.9
	1/25/2011			>2.5				-71	0.73	781	7.56	9.4
	4/12/2011			>2.5				-132	1.09	906	7.26	10.2
	7/11/2011			>2.5				-138	1.34	751	8.12	11.6
	10/18/2011			>2.5				-82	1.28	768	7.41	10.2
	1/24/2012			>2.5				-64	0.40	895	7.28	9.3
	4/4/2012			>2.5				-114	0.59	1004	7.36	10.2
	7/25/2012			>2.5				-109	0.78	846	6.75	11.4
	10/17/2012			>2.5				-115	1.74	835	7.13	10.4
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
	4/13/2011			1.89				-126	0.42	873	7.19	9.9
	7/11/2011			1.87				-178	0.88	759	7.37	11.0
	10/18/2011			1.57				-95	2.43	752	7.71	10.0
	1/23/2012			1.87				-68	0.33	898	7.31	9.3
	4/4/2012			1.693				-128	0.72	1009	7.50	10.0
	7/25/2012			1.227				-171	0.65	850	7.49	11.5
	10/17/2012			1.324				-131	0.51	838	7.56	10.5
P-113B	12/3/2002				47			27.20	0.39	960	6.80	10.18
	4/23/2003				56			-54.30	1.05	715	7.22	10.13
	10/22/2003	<0.058			49			-125.40	0.46	616	7.42	10.13
	1/31/2007							109	0.40	620	7.33	8.8
	5/1/2007							113	1.03	625	7.03	10.2
	8/14/2007							110	0.28	618	7.28	11.1
	10/22/2007							252	0.53	629	6.70	10.3
	5/6/2008							-16	0.33	716	7.31	10.3
	10/2/2008							328	2.47	674	7.12	10.6
	4/6/2009							-122	0.40	627	7.54	9.2
	10/29/2009	<0.20	<0.08	0.83	70.14	<0.2	0.057	-187	0.42	579	7.33	10.3
	5/25/2010	<0.20	<0.08	1.19	80.11	<0.2	<0.0028	-145	0.17	646	7.26	10.9
	10/6/2010	0.1		0.98	75.55		ND	-183	0.35	685	8.09	11.0
	1/25/2011			0.9				-86	0.94	619	7.50	9.8
	4/13/2011			1.11				-164	1.11	675	7.44	10.2
	7/12/2011			0.99				-164	0.47	588	7.43	10.5
	10/19/2011			0.94				-118	0.50	588	7.71	10.2
	1/23/2012			0.99				-75	0.29	703	7.57	9.3
	4/4/2012			1.034				-104	0.72	783	7.08	9.7
	7/25/2012			0.947				-167	0.67	668	7.56	11.5
	10/16/2012			0.998				-117	0.43	655	7.51	11.0
P-114 (Ehster)	12/3/2002				44					695	7.71	11.10
	4/23/2003				63			-117.00	0.85	669	7.71	10.00
	10/23/2003	<0.058			49			-125.10	0.54	1379	7.31	9.87
	2/1/2007							151	0.21	674	7.27	9.9
	5/1/2007							149	0.96	686	7.08	10.2
	8/8/2007							202	0.34	667	7.45	11.0
	10/22/2007							313	0.90	670	6.71	10.2
	5/6/2008							14	0.74	775	7.23	10.2
	10/2/2008							307	2.34	737	7.01	10.4
	4/6/2009							-76	0.45	687	7.58	9.5
	10/29/2009	0.22	<0.08	0.56	50.61	<0.2	0.28	-120	0.44	636	7.41	10.0
	2/26/2010	0.61	0.11	0.54	49.43	<0.2	0.285	-148	0.35	707	7.62	9.2
	5/26/2010	<0.20	0.15	0.6	57.47	<0.2	0.138/0.194 Dup	-129	0.66	703	7.27	10.4
	10/6/2010	0.11		0.72	57.18		0.186/0.224 Dup	-182	0.86	766	8.28	10.6
	1/25/2011			0.6				-58	0.42	679	7.60	9.3
	4/13/2011			0.65				-147	0.42	744	7.49	9.9
	7/12/2011			0.57				-134	1.95	646	7.48	10.5
	10/19/2011			0.62				-123	1.49	652	7.82	10.0
	1/23/2012			0.93				-78	0.35	785	7.60	9.1
	4/4/2012			0.598				-116	0.66	873	7.63	9.8
	7/25/2012			0.556				-200	0.40	748	7.63	11.0
	10/17/2012			0.757				-131	0.76	733	7.55	10.5

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-115 (former Wiese well)	2/1/2007							128	0.29	590	7.35	9.6
	5/1/2007							112	0.85	589	7.12	10.5
	8/14/2007							216	0.43	582	7.44	10.7
	10/22/2007							313	0.54	579	6.74	10.6
	5/6/2008							-16	0.48	690	7.27	10.7
	10/2/2008							315	2.44	654	6.89	10.7
	4/6/2009							-72	0.30	605	7.58	9.9
	10/29/2009	<0.20	<0.08	0.92	40.7	<0.2	0.044	-166	0.47	551	7.52	10.2
	2/26/2010	0.36	<0.08	1.48	43.65	<0.2	0.0579	-155	0.35	620	7.64	9.8
	5/26/2010	<0.20	<0.08	1.01	46.07	<0.2	0.049	-135	0.40	608	7.30	10.5
	10/6/2010	0.1		0.95	41.23		0.0562	-175	1.42	646	8.15	10.7
	1/25/2011			0.95				-78	0.42	572	7.68	9.8
	4/13/2011			1.05				-178	0.44	626	7.51	10.5
	7/12/2011			0.86				-143	1.74	546	7.47	10.6
	10/19/2011			0.82				-128	0.55	543	7.87	10.3
	1/23/2012			1.41				-78	0.34	647	7.53	9.6
	4/4/2012			0.804				-126	0.40	724	7.65	10.1
	7/25/2012			0.7				-223	0.39	619	7.72	11.3
	10/17/2012			0.797				-137	1.22	602	7.62	10.8
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
	4/13/2011			0.51				-109	0.58	556	7.49	10.7
	7/12/2011			0.35				-91	1.42	485	7.50	11.9
	10/19/2011			0.37				-77	0.89	482	7.92	10.4
	1/23/2012			0.52				-21	0.38	576	7.64	8.8
	4/4/2012			0.353				-56	0.33	646	7.68	10.3
	7/25/2012			0.305				-150	0.31	546	7.64	12.7
	10/17/2012			0.351				-87	0.52	535	7.52	11.5
MW-3A	12/5/2002				20			-312	0.03	589	7.30	9.79
	4/22/2003				26			3	0.66	464	7.52	10.22
	10/22/2003	<0.058			14			-98	0.87	552	7.29	10.06
	1/31/2007							163	0.79	556	7.13	6.1
	5/1/2007							34	1.96	558	6.95	10.2
	8/8/2007							-144	0.74	549	7.32	12.4
	10/19/2007							201	1.07	551	6.51	10.5
	5/6/2008							13	0.33	630	7.55	9.8
	10/1/2008							297	7.35	591	6.89	9.8
	10/28/2009	<0.20	<0.08	0.51	14.67	<0.2	0.0073	-236	0.55	505	7.45	9.5
	5/24/2010	<0.20	0.04	0.49	22.35	0.21	0.0074	-227	0.55	561	7.13	12.5
	10/5/2010	0.05			15.33		0.0397	-204	1.51	600	8.20	11.3
	1/24/2011			0.19				-77	0.74	535	7.30	7.2
	4/13/2011			0.44				-240	1.14	589	7.42	10.8
	7/12/2011			0.19				-213	1.86	512	7.15	11.3
	10/19/2011			0.16				-175	1.25	511	7.76	9.7
	1/23/2012			<0.1				-34	0.70	606	7.09	8.0
	4/4/2012			0.217				-115	0.47	678	7.37	9.4
	7/25/2012			0.101				-265	0.67	584	7.50	13.5
	10/16/2012			<0.1				-175	1.33	564	7.01	10.7
P-107D	12/4/2002				19					594	7.64	7.90
	4/21/2003				27					388	7.28	10.50
	10/21/2003	<0.058			19			51.40	1.25	528	7.34	10.05
	5/1/2007							113	3.20	583	6.96	12.4
	10/19/2007							261	1.10	581	6.56	10.0
	5/5/2008							61	1.07	653	7.55	10.6
	10/1/2008							354	4.48	607	6.89	10.4
	4/7/2009							-101	2.01	569	7.53	9.1
	10/28/2009	<0.20	<0.08	<0.1	23.84	<0.2	0.073	-188	0.45	528	7.48	10.1
	2/25/2010	0.51	<0.08	<0.1	23.57	<0.2	0.0613	-191	0.74	605	7.50	8.5
	5/24/2010	<0.20	<0.08	0.19	31.82	<0.2	0.163	-147	3.12	618	7.15	11.2
	10/5/2010	0.06		0.03	21.24		0.0737	-132	0.93	619	8.09	10.6
	1/24/2011			0.3				-59	0.79	564	6.62	9.0
	4/12/2011			0.11				-222	0.64	649	7.33	9.9
	7/11/2011			0.12				-211	1.32	2	8.16	11.7
	10/18/2011			0.11				-107	2.61	535	7.69	10.1
	1/23/2012			0.27				-45	0.69	634	7.45	8.9
	4/4/2012			0.235				-105	0.73	740	7.49	9.9
	7/25/2012			<0.1				-207	1.71	627	7.42	12.6
	10/17/2012			0.104				-168	2.13	589	7.53	10.9

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

Well ID	Compound	Nitrate NO_3^-	Nitrite NO_2^-	Iron 2 Fe^{2+}	Sulfate SO_4^{2-}	Sulfide S^{2-}	Methane CH_4	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	C
P-113A	12/3/2002				12			111.80	20.00	579	7.26	10.39
	4/23/2003				15			42.00	2.98	465	7.50	10.37
	10/22/2003	0.3			10			-62.60	2.23	576	7.30	10.17
	8/8/2007							-140	0.57	544	7.37	13.3
	5/6/2008							-88	0.55	620	7.22	10.4
	4/6/2009							-137	0.74	542	7.42	8.4
	10/29/2009	0.35	0.16	>2.5	31.67	0.37	0.27	-240	0.87	498	7.41	10.7
	5/25/2010	0.26	0.21	>2.5	44.79	0.39	0.169	-183	0.96	554	7.16	15.6
	10/6/2010	0.43			44.48		0.239	-196	0.89	591	7.98	12.8
	1/25/2011			1.09				-78	1.98	533	7.58	5.9
	4/13/2011			0.68				-202	1.13	578	7.46	12.8
	7/12/2011			1.44				-195	1.47	509	7.33	14.3
	10/19/2011			0.94				-141	0.92	509	7.71	10.6
	1/23/2012			0.77				-76	1.20	604	7.67	7.3
	4/4/2012			1.219				-125	0.64	673	7.40	9.9
	7/25/2012			0.893				-257	0.83	585	7.46	15.4
	10/16/2012			0.196				-73	3.31	559	7.36	13.1
Perry/Watkins	10/29/2009	<0.20	<0.08	>2.5	15.18	<0.2	0.0098	-167	3.00	489	7.55	10.8
	2/26/2010	<0.20			16.34	0.42	0.0067	-159	1.57	549	7.70	8.6
	5/26/2010	<0.20	<0.08	1.7	24.6	<0.2	0.0082	-135	0.91	552	7.35	16.7
	10/6/2010	0.1			20.12		0.0081	-183	1.38	582	8.18	14.4
	1/28/2011								2.42		6.93	10.1
	4/18/2011									410	7.17	10.1
	4/3/2012									519	8.00	11.2
Gaastra	10/29/2009	<0.20	<0.08	0.98	16.04	<0.2	0.01	-163	0.27	490	7.56	10.3
	2/26/2010	<0.20			19.35	<0.2	0.0086	-146	1.22	584	7.45	10.7
	5/26/2010	<0.20	<0.08	2.44	27.28	0.22	0.0121	-156	0.52	553	7.28	17.3
	10/6/2010	0.11			22.65		0.0103	-201	1.14	597	8.22	15.0
	1/26/2011			2.34				33	1.24	552	7.37	7.9
	4/14/2011									620	6.88	13.8
	4/3/2012									538	7.80	11.3
Rohde	11/4/2009	<0.20	<0.08	0.36	19.88	<0.2	0.0011	-76	0.99	500	7.25	10.0
	2/25/2010	<0.20			21.03	<0.2	<0.0028	0	2.61	606	7.61	9.4
	5/26/2010	<0.20	<0.08	0.25	25.64	<0.2	<0.0028	7	1.19	635	6.42	18.53
	10/6/2010	0.08			26.48		ND	-117	1.91	612	8.08	13.7
	1/26/2011			0				116	3.83	571	7.56	7.36
	4/13/2011									550	6.85	7.5
	4/3/2012									528	7.5	11.5

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

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

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	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												
	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
Baneck	10/31/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Perry/Watkins	2/8/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Perry	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.75 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [2]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/29/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/18/2011 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/3/2012	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

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

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Gaastra	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	270
	8/19/2002	ND	ND	0.24Q	ND	ND	ND	ND	300	ND	ND	280
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003 dup	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/04	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	0.071 QB	ND	ND	ND	ND	ND	ND
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	01/31/06	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/27/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.99 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [2]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/29/2009 [2, 3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/26/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/14/2011 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/3/2012	ND	ND	ND	ND	ND	ND	0.13J	NA	NA	NA	NA
	4/27/2012	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

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

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Rohde	10/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/4/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	300
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	290
	8/20/2002	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	290
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/28/2006 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 [1]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/14/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/4/2009 [3]	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/25/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/26/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/6/2010	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/26/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/14/2011	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/3/2012	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

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

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

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

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

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

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

			Parameter																					
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-1	1993	5/12	ND	ND	ND	ND	ND	ND	NA	25	25	ND	ND	410	92	NA	NA	ND	NA	170	NA	18J	76	320	NA
		5/12 Dup	ND	ND	ND	ND	ND	ND	NA	36	36	43	ND	550	110	NA	NA	ND	NA	290	NA	ND	71	410	NA
		6/24	1J	ND	ND	ND	5	ND	NA	1	1	0.8J	ND	13	12	NA	NA	ND	NA	20	NA	ND	6	85	NA
		6/24 Dup	ND	ND	ND	ND	6D	ND	NA	2	2	1DJ	ND	13D	11D	NA	NA	ND	NA	23D	NA	ND	7D	82D	NA
	1996	5/10	2.2	ND	ND	ND	ND	4J	ND	ND	ND	ND	ND	0.46J	4J	NA	ND	ND	NA	ND	ND	ND	ND	86	NA
		10/31	ND	ND	ND	0.58J	1.5	ND	ND	ND	ND	ND	ND	ND	8.3	NA	ND	ND	NA	4.7	ND	ND	ND	280	NA
	1997	5/13	1.7	ND	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/28	3.6	5.9	ND	0.23	9.4	ND	ND	ND	ND	0.87	ND	ND	3.6	6.8	ND	ND	97	1.2	ND	ND	ND	29	1.1
	1998	4/14	3.8	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	110	ND	ND	ND	ND	50	ND
		10/14	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	19	18	ND	ND	NA	ND	ND	ND	ND	100	ND
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/30*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2010	5/26*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2012	4/4*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

			Parameter																						
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-2	1993	5/12	5	ND	ND	18	ND	ND	ND	ND	ND	380D	ND	ND	49	NA	NA	ND	NA	71	NA	ND	ND	160D	NA
		6/24	10	ND	ND	20	ND	ND	ND	ND	ND	170D	ND	ND	54	NA	NA	ND	NA	27	NA	ND	ND	180	NA
	1996	5/10	4.0	ND	ND	10	5	ND	ND	NA	NA	ND	0.2J	ND	ND	NA	NA	ND	NA	0.6J	NA	ND	ND	20	NA
		10/31	6.6	ND	ND	24	8.1	ND	ND	ND	ND	11	0.22J	3.1	42	NA	NA	2.7	NA	6.8	NA	0.56J	ND	140	NA
	1997	5/13	5.8	ND	ND	17	ND	ND	ND	ND	ND	8.3	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	34	ND
		10/28	7.0	2.3	ND	25	6.4	ND	ND	0.59	0.23	8.2	ND	ND	18	8.9	ND	ND	240J	1.4	0.18	ND	ND	40	1.6
	1998	4/14	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND
		10/14	4.0	NA	NA	91	ND	ND	ND	ND	ND	18	ND	ND	45	7.1	ND	ND	NA	ND	ND	ND	ND	39	1.3
	1999	4/7	6.2	NA	NA	44	ND	ND	ND	ND	ND	28	ND	ND	150	7.1	2.8	ND	NA	ND	ND	ND	ND	380	ND
		10/28	8.0	ND	NA	45	ND	ND	ND	ND	ND	30	ND	ND	280	12	ND	ND	240	ND	ND	ND	ND	750	ND
	2000	5/02	8.1	ND	ND	45	ND	ND	ND	ND	ND	30	ND	ND	190	3.6	ND	ND	190	ND	ND	ND	ND	670	ND
		10/30	10	ND	NA	47	ND	ND	ND	ND	ND	33	ND	ND	130	ND	ND	ND	200	0.68	ND	ND	ND	430	2.0
	2001	5/09	ND	ND	NA	ND	ND	ND	1.0	ND	ND	19	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND
		10/9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5	13	NA	NA	67	ND	ND	ND	ND	ND	39	ND	ND	180	13	7	ND	NA	ND	ND	ND	ND	720	ND
		5/22	14	NA	NA	51	ND	ND	ND	ND	ND	33	ND		96	ND	ND	ND	ND	ND	ND	ND	ND	570	NA
	2003	4/22	12	ND	ND	43	ND	ND	ND	ND	ND	30	ND	ND	210	10	NA	ND	170	ND	NA	ND	ND	980	ND
	2004	4/28	9	ND	ND	30	1.8 Q	ND	ND	ND	ND	23	ND	ND	88	4.4	NA	ND	130	1.5 Q	NA	ND	ND	470 D	0.87 Q
	2005	8/3	11	ND	ND	43	ND	ND	ND	ND	ND	25	ND	ND	92	3.7	NA	ND	180	ND	NA	ND	ND	770	ND
	2006	4/28	13	ND	ND	45	ND	ND	ND	ND	ND	33	ND	ND	85	17	NA	ND	220	ND	NA	ND	ND	1100	ND
	2007	5/02	12	ND	ND	50	ND	ND	ND	ND	ND	22	ND	ND	52	6.3	NA	ND	170	ND	NA	ND	ND	780	ND
	2008	5/6	7.6	ND	ND	58.2	ND	ND	ND	ND	ND	13.1	ND	ND	43.3	11.3	NA	ND	128	2.1	NA	ND	ND	337	ND
	2009	4/9	10.9	ND	ND	45.9	ND	ND	ND	ND	ND	16.3	ND	ND	91.3	6.9J	NA	ND	138	ND	NA	ND	ND	618	ND
	2010	5/26	13.7	ND	ND	45.2	ND	ND	ND	ND	ND	18.6	ND	ND	ND	12.7J	ND	ND	187	ND	ND	ND	ND	953	ND
	2011	4/14	17	ND	ND	42	ND	ND	ND	ND	ND	18.5	ND	ND	60.5	7.5J	ND	ND	151	ND	ND	ND	ND	876	ND
	2012	4/4	15.6	ND	ND	58.5	ND	ND	ND	ND	ND	17.8	ND	ND	38.6	27.0	ND	ND	245	ND	ND	ND	ND	867	ND

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

			Parameter																						
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether
LC-3	1993	5/12*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6/24*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1996	5/10*	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/31*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	5/13*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5800	ND	ND	ND	ND	ND	65	ND	ND	330	ND	ND
		10/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	5/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	13	ND	NA	ND	290	35	NA	ND	13	65	ND
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	296	2.2	ND	NA	ND	22	13.6	NA	22	11.3	17.3	<6.1
	2010	5/26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1180	ND	ND	ND	ND	20.6J	29.8	ND	23.8	14.5	47.5	ND
	2011	4/14	ND	63.7J	6.2	ND	ND	ND	ND	4.3J	ND	ND	ND	373	16.5	ND	ND	ND	38.9	81.2	ND	19.6	25.8	79.4	ND
	2012	4/4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	867	17.4	ND	ND	ND	30.0 J	82.9	ND	18.3	79.5	83.7	ND

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

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

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

All concentrations are in parts per billion (ppb)

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

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

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

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

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

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	9:36	11/2/2010	16.0	24.2	1.5	58.3	
	8:49	11/15/2010	15.5	23.4	1.5	59.6	
	9:45	12/10/2010	14.0	22.8	1.5	61.7	
	9:00	12/23/2010	15.5	22.6	1.6	60.3	
	9:18	1/10/2011	11.5	22.2	1.6	64.7	
	12:15	2/11/2011	34.0	24.6	1.7	39.7	
	9:20	3/7/2011	4.9	15.2	6.5	73.5	
	11:50	3/24/2011	19.5	22.2	0.7	57.6	
	8:55	4/6/2011	22.9	23.4	0.3	53.4	
	8:19	4/25/2011	23.5	23.0	0.6	52.9	
	8:52	5/9/2011	34.5	24.6	0.3	40.6	
	9:12	5/23/2011	38.0	25.4	0.3	36.3	
	10:50	6/6/2011	40.0	26.0	0.3	33.7	
	9:08	6/15/2011	41.5	26.2	0.3	32.0	
	9:15	7/5/2011	35.5	26.0	0.3	38.2	
	8:06	7/13/2011	31.0	26.0	0.2	42.8	
	8:20	7/26/2011	32.0	26.6	0.3	41.1	
	8:15	8/8/2011	19.0	24.1	0.3	56.6	
	7:50	8/23/2011	16.0	24.4	0.3	59.3	
	15:19	9/9/2011	28.5	28.0	0.5	43.0	
	16:03	9/15/2011	15.0	25.2	0.8	59.0	
	8:31	9/21/2011	17.5	22.8	2.6	57.1	
	9:38	9/21/2011	14.5	21.5	3.2	60.8	
	9:29	9/22/2011	17.5	24.4	1.6	56.5	
	10:11	9/22/2011	16.0	22.2	3.3	58.5	
	10:57	9/22/2011	16.0	24.2	1.6	58.2	
	10:46	10/3/2011	7.5	21.2	2.4	68.9	
	13:55	10/24/2011	11.0	23.0	1.0	65.0	
	11:00	10/26/2011	12.0	23.6	1.3	63.1	
	10:45	11/7/2011	10.5	23.4	0.5	65.6	
	9:20	11/14/2011	14.5	24.0	0.1	61.4	
	9:18	12/12/2011	12.7	24.2	0.2	62.9	
	10:24	12/27/2011	36.5	27.2	0.2	36.1	
	8:45	1/10/2012	24.5	25.4	0.1	50.0	
	10:10	1/25/2012	26.0	27.2	0.3	46.5	
	9:20	2/20/2012	32.5	26.6	0.6	40.3	
	9:10	3/8/2012	30.5	25.4	1.8	42.3	
	10:25	4/2/2012	24.0	25.2	0.9	49.9	
	9:09	4/16/2012	26.5	25.4	0.9	47.2	
	9:00	4/30/2012	16.5	23.0	1.5	59.0	
	9:21	5/14/2012	18.0	22.8	1.7	57.5	
	9:14	5/29/2012	24.5	24.6	1.1	49.8	
	7:57	6/11/2012	27.5	25.4	0.9	46.2	
	9:46	6/25/2012	24.5	25.2	1.0	49.3	
	9:05	7/9/2012	23.0	25.4	0.9	50.7	
	8:40	7/23/2012	7.0	20.2	2.2	70.6	
	8:21	7/25/2012	8.0	20.8	2.0	69.2	
	9:05	8/6/2012	8.0	21.4	1.7	68.9	
	9:31	8/21/2012	9.5	21.6	1.3	67.6	
	9:15	9/4/2012	7.0	19.8	2.0	71.2	
	9:10	10/1/2012	6.0	18.2	4.2	71.6	
	8:30	10/15/2012	4.5	11.4	9.2	75.0	

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	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

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

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	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	
LC-2	10:50	10/28/2009	43.5	31.8	0.0	24.7	
	11:15	11/16/2009	40.0	30.6	0.6	28.8	
	9:50	12/18/2009	44.5	33.0	0.1	22.4	
	8:50	12/28/2009	49.0	33.2	0.0	17.8	
	9:00	1/11/2010	50.0	33.4	0.0	16.6	
	8:39	1/26/2010	55.5	33.6	0.0	10.9	
	11:50	2/25/2010	45.0	27.8	3.3	23.9	
	9:40	3/8/2010	53.5	31.8	0.0	14.7	
	9:10	3/22/2010	52.5	30.8	0.4	16.3	
	9:15	4/5/2010	52.5	30.8	0.2	16.5	
	9:30	4/19/2010	53.5	31.0	0.3	16.5	
	9:30	5/3/2010	52.5	30.8	0.0	16.7	
	10:10	5/17/2010	51.5	30.6	0.4	17.5	
	9:10	5/25/2010	50.0	30.8	0.2	19.0	
	9:30	6/24/2010	41.0	27.8	1.6	29.6	
	10:30	7/6/2010	37.5	27.8	1.6	33.1	
	9:18	7/19/2010	34.5	27.4	1.7	36.4	
	9:20	8/2/2010	32.0	27.4	1.7	38.9	
	10:05	8/16/2010	35.0	29.0	1.1	34.9	
	9:10	8/30/2010	39.5	30.4	0.0	30.1	
	9:26	9/13/2010	41.5	30.6	1.1	26.8	
	10:00	9/28/2010	44.5	31.0	1.1	23.4	
	8:12	10/12/2010	44.5	31.0	1.8	22.7	
	9:37	10/25/2010	48.0	32.2	1.3	18.5	
	9:36	11/2/2010	50.0	32.6	1.6	15.8	

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	9:15	11/15/2010	48.0	32.4	1.6	18.0	
	9:55	12/10/2010	44.5	32.2	1.6	21.7	
	9:15	12/23/2010	43.5	32.6	1.6	22.3	
	9:30	1/10/2011	43	31.4	2.3	23.3	
	11:45	2/11/2011	52.0	30.8	1.5	15.7	
	9:30	2/22/2011	12.0	8.4	15.1	64.5	
	9:05	3/7/2011	13.0	9.2	14.5	63.3	
	12:10	3/24/2011	47.5	31.0	0.4	21.1	
	9:15	4/6/2011	49.5	30.8	0.3	19.4	
	8:08	4/25/2011	51.0	29.4	1.3	18.3	
	9:08	5/9/2011	53.5	29.8	0.6	16.1	
	9:31	5/23/2011	46.0	25.8	3.3	24.9	
	11:05	6/6/2011	57.0	30.0	0.6	12.4	
	9:21	6/15/2011	58.0	30.6	0.7	10.7	
	9:30	7/5/2011	60.5	30.2	0.8	8.5	
	8:10	7/13/2011	57.0	28.4	2.0	12.6	
	8:30	7/26/2011	63.5	30.6	0.6	5.3	
	8:30	8/8/2011	60.5	31.4	0.6	7.5	
	8:10	8/23/2011	57.5	31.8	0.7	10	
	15:15	9/9/2011	60.0	33.2	0.9	5.9	
	16:03	9/15/2011	62.0	33.6	1.1	3.3	
	8:40	9/21/2011	58.0	32.4	1.5	8.1	
	9:45	9/21/2011	60.0	34.2	0.8	5	
	9:35	9/22/2011	53.0	31.2	2.7	13.1	
	10:15	9/22/2011	60.0	34.0	1.1	4.9	
	11:04	9/22/2011	53.5	30.2	3.0	13.3	
	10:53	10/3/2011	47.0	33.2	1.1	18.7	
	14:00	10/24/2011	23.0	21.4	4.6	51	
	12:08	10/26/2011	51.8	34.8	0.6	12.8	
	10:59	11/7/2011	44.5	33.8	0.5	21.2	
	9:35	11/14/2011	46.0	33.8	0.2	20	
	9:30	12/12/2011	49.5	34.8	0.3	15.4	
	10:41	12/27/2011	49.0	34.0	0.2	16.8	
	9:00	1/10/2012	52.0	34.4	0.1	13.5	
	10:00	1/25/2012	48.0	34.8	0.4	16.8	
	9:35	2/20/2012	54.5	33.6	0.0	11.9	
	9:30	3/8/2012	53.5	31.6	1.0	13.9	
	10:30	4/2/2012	54.5	31.2	1.1	13.2	
	9:25	4/16/2012	43.0	25.4	4.4	27.2	
	9:30	4/30/2012	47.5	28.2	2.6	21.7	
	9:35	5/14/2012	48.0	28.2	2.4	21.4	
	9:30	5/29/2012	49.5	29.0	1.9	19.6	
	8:04	6/11/2012	51.0	29.2	4.7	15.1	
	9:59	6/25/2012	53.0	29.6	1.5	15.9	
	9:15	7/9/2012	50.5	28.6	2.2	18.7	
	8:55	7/23/2012	43.5	29.2	1.9	25.4	
	8:15	7/25/2012	44.0	29.4	2.0	24.6	
	9:21	8/6/2012	43.0	30.2	1.5	25.3	
	9:50	8/21/2012	40.0	30.0	1.6	28.4	
	9:30	9/4/2012	36.0	29.4	1.9	32.7	
	10:00	10/1/2012	29.5	27.6	2.6	40.3	
	8:48	10/15/2012	16.0	15.8	9.7	58.5	

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

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

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

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

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

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	9:50	12/10/2010	20.0	20.6	5.7	53.7	
	9:10	12/23/2010	19.5	21.2	5.9	53.4	
	9:25	1/10/2011	20.5	20.8	6	52.7	
	8:41	1/25/2011	18.5	18.8	7.4	55.3	
	12:30	2/11/2011	29.5	21.6	6.1	42.8	
	10:15	2/22/2011	15.5	17.0	7.7	59.8	
	9:30	3/7/2011	15.5	17.4	7.1	60.0	
	12:00	3/24/2011	23.0	20.6	4.9	51.5	
	9:05	4/6/2011	31.0	21.6	4.9	42.5	
	8:04	4/25/2011	31.0	21.2	5.6	42.2	
	9:00	5/9/2011	37.5	23.0	4.5	35.0	
	9:20	5/23/2011	39.5	24.0	4.2	32.3	
	11:00	6/6/2011	40.5	24.4	4.1	31.0	
	9:15	6/15/2011	40.5	24.4	4.0	31.1	
	9:20	7/5/2011	39.0	24.6	3.6	32.8	
	8:13	7/13/2011	38.5	24.6	3.5	33.4	
	8:15	7/26/2011	37.5	24.4	3.5	34.6	
	8:25	8/8/2011	31.5	23.4	3.4	41.7	
	8:00	8/23/2011	28.5	22.4	3.9	45.2	
	15:21	9/9/2011	34.0	24.6	3.9	37.5	
	16:03	9/15/2011	27.5	23.0	4.7	44.8	
	8:35	9/21/2011	25.0	21.8	4.7	48.5	
	9:42	9/21/2011	25.0	21.4	4.9	48.7	
	9:33	9/22/2011	26.0	22.2	4.8	47.0	
	10:13	9/22/2011	26.0	21.8	5.1	47.1	
	10:59	9/22/2011	27.5	22.6	4.6	45.3	
	10:50	10/3/2011	18.0	20.2	5.1	56.7	
	14:05	10/24/2011	41.0	28.6	3.7	26.7	
	11:08	10/26/2011	24.5	22.0	5.0	48.5	
	10:52	11/7/2011	21.5	21.4	4.7	52.4	
	9:27	11/14/2011	23.5	21.8	4.4	50.3	
	9:37	12/12/2011	23.0	22.2	4.7	50.1	
	10:30	12/27/2011	28.0	23.0	4.2	44.8	
	8:51	1/10/2012	32.5	24.0	4.2	39.3	
	9:55	1/25/2012	33.0	26.0	4.2	36.8	
	9:29	2/20/2012	37.5	25.8	5.0	31.7	
	9:21	3/8/2012	36.5	24.8	5.5	33.2	
	9:00	4/2/2012	32.0	24.4	4.7	38.9	
	9:15	4/16/2012	29.5	22.8	5.0	42.7	
	9:25	4/30/2012	25.0	21.8	5.3	47.9	
	9:25	5/14/2012	27.0	22.2	5.0	45.8	
	9:18	5/29/2012	30.9	23.0	4.5	41.6	
	7:59	6/11/2012	31.5	23.4	4.4	40.7	
	9:53	6/25/2012	33.5	24.4	4.0	38.1	
	9:10	7/9/2012	32.5	24.6	3.5	39.4	
	8:47	7/23/2012	19.0	21.0	4.2	55.8	
	8:11	7/25/2012	19.0	21.0	4.4	55.6	
	9:10	8/6/2012	19.0	21.4	4.2	55.4	
	9:40	8/21/2012	19.0	20.6	4.8	55.6	
	9:21	9/4/2012	14.5	19.8	4.5	61.2	
	8:17	10/1/2012	10.5	16.4	6.6	66.5	reduce from 23 hrs to 16.5 hrs on
	8:40	10/15/2012	9.0	12.0	9.9	69.1	reduce from 16.5 hrs to 8.5 hrs on

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

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

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

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

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

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

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

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	8:10	10/12/2010	24.0	25.0	1.7	49.3	
	9:12	10/25/2010	35.5	26.8	1.2	36.5	
	9:30	11/2/2010	15.5	22.0	1.9	60.6	
	8:45	11/15/2010	13.5	21.0	1.7	63.8	
	9:40	12/10/2010	9.0	19.2	2.1	69.7	
	8:50	12/23/2010	6.0	18.2	2.8	73.0	
	9:10	1/10/2011	28.0	4.8	15.7	51.5	
	12:00	2/11/2011	30.5	20.8	0.5	48.2	
	9:40	2/22/2011	1.7	7.4	14.2	76.7	
	9:15	3/7/2011	4.4	10.0	11.5	74.1	
	11:45	3/24/2011	7.5	12.2	6.9	73.4	
	8:45	4/6/2011	17.5	19.2	0.9	62.4	
	8:12	4/25/2011	18.6	20.8	0.7	59.9	
	8:45	5/9/2011	29.5	22.8	0.4	47.3	
	9:00	5/23/2011	35.5	24.4	0.4	39.7	
	10:45	6/6/2011	39.5	25.2	0.3	35.0	
	8:59	6/15/2011	41.0	26.8	0.3	31.9	
	9:10	7/5/2011	35.4	26.0	0.6	38.0	
	8:09	7/13/2011	24.0	24.8	0.6	50.6	
	8:10	7/26/2011	35.0	27.4	0.7	36.9	
	8:10	8/8/2011	20.0	23.6	0.5	55.9	
	7:45	8/23/2011	19.0	24.8	0.9	55.3	
	15:17	9/9/2011	29.0	1.2	26.4	43.4	
	16:01	9/15/2011	19.0	24.6	0.5	55.9	
	8:27	9/21/2011	39.5	29.0	0.5	31.0	
	9:35	9/21/2011	20.0	22.1	1.5	56.4	
	9:27	9/22/2011	26.0	22.2	4.8	47.0	
	10:09	9/22/2011	9.9	19.2	2.5	68.4	
	10:55	9/22/2011	11.5	18.8	3.3	66.4	
	10:40	10/3/2011	4.6	13.6	8.1	73.8	
	13:49	10/24/2011	7.5	20.4	1.2	70.9	
	10:55	10/26/2011	7.5	16.4	5.8	70.3	
	10:40	11/7/2011	4.5	14.6	6.6	74.3	
	9:15	11/14/2011	7	17.8	3	72.2	
	10:30	11/14/2011	5	6.8	2.7	85.5	
	9:12	12/12/2011	7.5	16.8	4.3	71.4	
	10:17	12/27/2011	9	7	13.9	70.1	
	8:40	1/10/2012	12	19.6	1	67.4	
	10:05	1/25/2012	11.5	22.6	0.2	65.7	
	9:15	2/20/2012	12.5	14.4	2.1	71	
	9:00	3/8/2012	11	18.4	2.9	67.7	
	10:20	4/2/2012	9.0	18.2	2.6	70.2	
	9:05	4/16/2012	14.9	20.4	1.2	63.5	
	9:10	4/30/2012	17.0	21.0	1.3	60.7	
	9:15	5/14/2012	16.0	21.0	1.3	61.7	
	9:10	5/29/2012	14.5	20.4	1.8	63.3	
	7:45	6/11/2012	23.0	23.8	1.4	51.8	
	9:40	6/25/2012	8.5	18.4	3.3	69.8	
	9:00	7/9/2012	12.0	19.4	3.1	65.5	
	8:33	7/23/2012	3.8	12.0	8.3	76.0	
	8:19	7/25/2012	10.0	18.8	2.8	68.4	
	9:00	8/6/2012	4.4	13.6	7.3	74.8	
	9:17	8/21/2012	4.1	13.8	6.5	75.7	
	9:10	9/4/2012	3.2	11.2	8.6	77.1	
	9:05	10/1/2012	2.3	9.4	10.2	78.2	
	8:30	10/15/2012	2.0	10.4	9.0	78.6	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	8:40	6/14/2009	0.4	5.2	8.3	86.1	
	8:30	7/2/2009	0.0	3.2	15.1	81.7	
	7:20	7/13/2009	1.0	7.4	8.9	82.8	
	8:40	7/13/2009	0.0	0.8	18.9	80.3	vent for 1 hour with cap off
	7:20	7/22/2009	0.1	5.8	11.3	82.9	
	8:35	8/11/2009	0.0	3.4	14.7	81.9	
	8:30	8/24/2009	0.0	3.6	14.7	81.7	
	9:05	9/8/2009	2.0	7.8	9.4	80.8	
	9:05	9/21/2009	1.8	6.0	12.1	80.1	
	10:05	10/5/2009	0.0	5.8	12.9	81.3	
	10:30	10/28/2009	0.0	3.8	14.2	82.0	
	10:35	11/16/2009	0.0	2.4	16.5	81.1	
	9:05	12/18/2009	0.0	3.2	14.4	82.4	
	8:40	12/28/2009	0.0	1.0	18.4	80.6	
	8:45	1/11/2010	0.0	3.2	14.1	82.7	
	8:50	1/26/2010	0.3	4.0	9.1	86.7	
	10:32	2/25/2010	0.2	4.2	7.3	88.4	
	9:35	3/8/2010	0.0	5.4	1.0	93.6	
	9:05	3/22/2010	0.0	2.6	7.2	90.2	
	9:08	4/5/2010	0.0	3.8	14.6	81.6	
	9:05	4/19/2010	0.0	4.2	7.0	88.8	
	9:05	5/3/2010	0.0	1.2	17.6	81.2	
	9:35	5/17/2010	0.2	3.4	11.8	84.6	
	13:00	5/25/2010	0.0	4.8	10.7	84.5	
	9:05	6/24/2010	0.1	7.8	8.0	84.2	
	10:05	7/6/2010	0.0	8.8	3.0	88.2	
	8:38	7/19/2010	0.6	6.4	7.8	85.3	
	8:45	8/2/2010	2.6	9.4	3.9	84.1	
	9:35	8/16/2010	3.1	12.6	1.0	83.4	
	8:40	8/30/2010	2.2	9.0	6.6	82.3	
	8:50	9/13/2010	**5.5**	12.4	1.5	80.6	
	10:40	9/28/2010	3.7	11.2	1.9	83.2	
	6:50	10/12/2010	**14.0**	15.0	0.0	71.0	
	9:05	10/25/2010	**16.5**	16.0	0.0	67.5	
	9:20	11/2/2010	0.0	5.4	9.3	85.3	
	8:35	11/15/2010	4.4	9.0	3.8	82.8	
	9:30	12/10/2010	0.0	11.2	0.1	88.7	
	8:35	12/23/2010	0.0	1.2	17.9	80.9	
	9:05	1/10/2011	0.0	2.8	14.4	82.8	
	8:15	1/25/2011	0.2	5.0	8.1	86.7	
	11:35	2/11/2011	0.1	4.0	9.4	86.6	
	9:20	2/22/2011	0.2	1.0	18.1	80.8	
	8:55	3/7/2011	0.1	1.4	13.1	85.4	
	11:30	3/24/2011	0.3	0.2	20.9	78.6	
	8:35	4/6/2011	0.1	0.2	20.1	79.6	
	10:30	4/25/2011	0.1	0.2	20.7	79.0	
	8:35	5/9/2011	0.1	3.2	11.2	85.6	
	8:50	5/23/2011	0.0	5.4	3.8	90.8	
	10:35	6/6/2011	**6.4**	7.0	4.4	82.2	
	8:50	6/15/2011	**15.5**	9.6	0.3	74.6	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	9:00	7/5/2011	**15.0**	6.6	8.7	69.7	
	6:38	7/13/2011	**12.0**	13.0	0.4	74.6	
	8:00	7/26/2011	**13.0**	12.0	0.5	74.5	
	8:05	8/8/2011	**12.5**	12.6	0.3	74.6	
	7:35	8/23/2011	**25.0**	16.0	0.3	58.7	
	15:30	9/9/2011	**26.0**	18.2	0.2	55.6	
	15:58	9/15/2011	**11.5**	15.8	3.1	69.6	
	8:20	9/21/2011	**18.5**	18.2	0.4	62.9	
	9:25	9/21/2011	**13.5**	17.4	1.5	67.6	
	9:17	9/22/2011	**6.0**	10.8	8.1	75.1	
	10:04	9/22/2011	**7.0**	17.0	1.7	74.3	
	10:50	9/22/2011	3.8	9.6	10.2	76.5	
	10:35	10/3/2011	4.7	9.0	9.1	77.2	
	13:40	10/24/2011	1.9	15.0	2.2	80.9	
	10:45	10/26/2011	1.5	6.0	13.5	79.0	
	10:30	11/7/2011	0.3	4.0	14.8	81.0	
	9:08	11/14/2011	4.7	7.6	1.9	85.8	
	9:05	12/12/2011	0.1	1.6	15.3	83.1	
	10:05	12/27/2011	3.6	4.4	1.5	90.5	
	8:30	1/10/2012	4.6	4.4	0.1	91.0	
	10:15	1/25/2012	0.1	4.6	4.9	90.4	
	9:00	2/20/2012	**5.5**	3.6	3.1	87.8	
	8:40	3/8/2012	1.6	0.6	17.2	80.7	
	10:10	4/2/2012	0.1	1.2	18.4	80.3	
	8:50	4/16/2012	0.0	0.4	19.7	79.9	
	9:04	4/30/2012	0.4	5.6	1.4	92.7	
	9:05	5/14/2012	0.0	6.0	3.2	90.8	
	8:55	5/29/2012	2.1	10.4	1.1	86.5	
	7:35	6/11/2012	0.4	8.4	6.8	84.4	
	9:23	6/25/2012	4.6	10.4	4.2	80.8	
	8:50	7/9/2012	**10.0**	14.0	0.8	75.2	
	8:15	7/23/2012	2.6	9.2	7.8	80.5	
	10:15	7/25/2012	2.1	6.8	10.4	80.8	
	8:45	8/6/2012	3.3	10.4	7.3	79.0	
	9:05	8/21/2012	0.6	6.2	11.5	81.8	
	9:04	9/4/2012	3.3	9.2	8.4	79.1	
	8:45	10/1/2012	0.0	3.8	13.9	82.3	
	8:21	10/15/2012	0.0	3.8	14.0	82.2	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-2	11:10	1/25/2011	0.2	0.4	20.0	79.4	
	7:45	4/25/2011	0.2	3.0	17.4	79.4	
	7:37	7/13/2011	0.0	0.8	19.9	79.3	
	7:45	10/26/2011	0.0	1.0	20.0	79.0	
	9:26	1/25/2012	0.1	3.6	17.0	79.4	
	9:35	4/2/2012	0.1	0.4	20.9	78.7	
	11:00	7/25/2012	0.0	3.4	16.3	80.3	
	11:30	10/15/2012	0.0	1.8	17.7	80.5	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-3	8:50	9/28/2010	0.0	1.8	17.2	81.0	
	8:45	1/25/2011	0.2	0.2	19.8	79.8	
	8:25	4/25/2011	0.2	4.6	14.9	80.3	
	8:15	7/13/2011	0.0	0.0	20.1	79.9	
	11:12	10/26/2011	0.0	0.2	20.4	79.4	
	11:30	1/25/2012	0.1	4.2	15.4	80.3	
	8:50	4/2/2012	0.0	0.0	20.9	79.1	
	8:27	7/25/2012	0.0	2.4	15.4	82.2	
	10:59	10/15/2012	0.0	0.0	19.0	81.0	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-4	7:20	1/25/2011	0.0	0.0	19.6	80.4	
	7:30	4/25/2011	0.2	1.6	18.9	79.3	
	7:18	7/13/2011	0.0	1.0	19.4	79.6	
	11:15	10/26/2011	0.0	0.8	20.4	78.8	
	7:17	1/25/2012	0.1	1.0	19.1	79.8	
	9:15	4/2/2012	0.1	0.0	20.9	79.0	
	7:51	7/25/2012	0.0	1.2	18.2	80.6	
	11:08	10/15/2012	0.0	0.6	18.7	80.7	

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

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-5	10:35	4/25/2011	0.2	3.0	16.0	80.8	
	6:28	7/13/2011	0.0	9.4	10.7	79.9	
	12:05	10/26/2011	0.0	6.6	15.5	77.9	
	10:25	1/25/2012	0.1	4.8	14.9	80.2	
	10:48	4/2/2012	0.1	3.8	16.3	79.8	
	10:24	7/25/2012	0.0	7.0	11.9	81.1	
	9:00	10/15/2012	0.0	4.8	15.2	80.0	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-6	11:25	1/25/2011	0.2	0.4	20.0	79.4	
	7:00	4/25/2011	0.1	3.0	17.2	79.7	
	7:32	7/13/2011	0.0	2.8	17.1	80.1	
	7:25	10/26/2011	0.0	3.0	18.3	78.7	
	7:08	1/25/2012	0.1	1.2	18.8	79.9	
	8:40	4/2/2012	0.1	0.2	20.9	78.8	
	8:01	7/25/2012	0.0	2.4	17.7	79.9	
	10:38	10/15/2012	0.0	1.8	18.1	80.1	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-7	11:20	1/25/2011	0.2	0.4	20.0	79.4	
	6:55	4/25/2011	0.1	3.2	16.6	80.1	
	7:29	7/13/2011	0.0	1.4	19.1	79.5	
	7:20	10/26/2011	0.0	0.6	19.9	79.5	
	7:05	1/25/2012	0.1	2.0	18.0	79.9	
	8:35	4/2/2012	0.0	2.4	18.3	79.3	
	7:59	7/25/2012	0.0	1.8	17.4	80.8	
	10:30	10/15/2012	0.0	1.6	18.0	80.4	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-8	11:15	1/25/2011	0.2	0.4	20.0	79.4	
	7:40	4/25/2011	0.2	4.4	14.4	81.0	
	7:23	7/13/2011	0.0	0.8	19.2	80.0	
	7:30	10/26/2011	0.0	0.8	20.4	78.8	
	7:27	1/25/2012	0.1	1.6	18.7	79.6	
	9:25	4/2/2012	0.1	1.0	20.4	78.5	
	11:07	7/25/2012	0.0	3.0	16.0	81.0	
	11:15	10/15/2012	0.0	1.0	18.3	80.7	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-10	11:00	1/25/2011	0.2	0.4	20.0	79.4	
	7:50	4/25/2011	0.2	3.4	17.0	79.4	
	7:41	7/13/2011	0.0	1.4	19.2	79.4	
	7:50	10/26/2011	0.0	2.4	19.2	78.4	
	9:45	1/25/2012	0.1	4.4	16.2	79.3	
	9:45	4/2/2012	0.1	4.2	17.0	78.7	
	10:52	7/25/2012	0.0	4.0	15.7	80.3	
	10:21	10/15/2012	0.0	3.2	15.0	81.8	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-11	10:29	1/25/2011	0.2	3.6	16.6	79.6	
	7:55	4/25/2011	0.2	4.0	17.2	78.6	
	6:47	7/13/2011	0.0	2.8	18.3	78.9	
	10:10	10/26/2011	0.0	3.0	18.5	78.5	
	7:40	1/25/2012	0.1	2.6	18.4	78.9	
	9:55	4/2/2012	0.1	3.6	17.9	78.4	
	10:39	7/25/2012	0.0	1.8	17.9	80.3	
	10:05	10/15/2012	0.0	1.6	18.2	80.2	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-12	8:19	1/25/2011	0.3	5.4	14.6	79.7	
	11:00	4/25/2011	0.1	3.2	16.1	80.6	
	6:35	7/13/2011	0.0	2.4	17.5	80.1	
	11:30	10/26/2011	0.0	3.6	17.8	78.6	
	10:35	1/25/2012	0.1	4.6	14.8	80.5	
	11:00	4/2/2012	0.1	3.2	16.1	80.6	
	10:32	7/25/2012	0.0	2.6	16.9	80.5	
	9:08	10/15/2012	0.0	3.2	16.1	80.7	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-101	10:45	1/25/2011	0.2	0.4	20.0	79.4	
	8:00	4/25/2011	0.2	0.4	20.9	78.5	
	6:50	7/13/2011	0.0	0.0	20.5	79.5	
	10:15	10/26/2011	0.0	0.6	20.4	79.0	
	7:38	1/25/2012	0.1	0.6	19.5	79.8	
	10:00	4/2/2012	0.1	0.2	20.9	78.8	
	10:43	7/25/2012	0.0	0.0	19.1	80.9	
	10:15	10/15/2012	0.0	0.4	18.9	80.7	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	14:20	3/23/2006	0.0	0.7	20.5	78.8	pre-startup
	14:15	3/30/2006	1.0	0.5	20.6	77.9	
	13:35	4/6/2006	1.0	0.6	20.3	78.1	
	13:43	4/11/2006	0.5	0.3	19.7	79.5	
	11:50	4/14/2006	0.0	0.3	18.6	81.1	
	10:34	4/17/2006	0.8	0.7	20.1	78.4	
	14:00	4/28/2006	0.0	0.0	20.7	79.3	
	13:35	5/4/2006	0.0	0.2	20.5	79.3	
	10:42	5/22/2006	0.2	0.1	2.4	97.3	
	8:48	6/9/2006	0.0	0.0	19.8	80.2	
	12:20	6/14/2006	0.1	0.0	19.5	80.4	
	11:20	6/22/2006	0.7	0.1	19.9	79.3	
	11:53	7/5/2006	0.6	0.0	20.0	79.4	
	11:19	7/10/2006	0.6	4.7	15.1	79.6	
	10:20	7/17/2006	0.9	0.8	19.0	79.3	
	12:40	7/28/2006	0.6	0.6	18.6	80.2	
	10:13	8/8/2006	0.6	1.2	18.5	79.7	
	8:42	8/16/2006	0.1	0.0	17.7	82.2	
	8:00	8/21/2006	0.1	0.0	18.5	81.4	
	13:55	8/28/2006	0.6	1.8	18.8	78.8	
	11:05	9/13/2006	0.1	0.0	19.5	80.4	
	10:25	9/25/2006	0.1	0.0	19.2	80.7	
	8:44	10/10/2006	0.7	1.0	19.6	78.7	
	8:05	10/23/2006	0.8	0.4	19.6	79.2	
	14:42	11/2/2006	0.3	0.0	20.8	78.9	
MW-102	13:30	11/14/2006	0.2	0.2	20.0	79.6	
	11:12	11/27/2006	0.2	0.0	20.2	79.7	
	12:39	12/26/2006	0.1	0.0	20.0	79.9	
	13:10	1/27/2007	0.4	0.2	20.2	79.2	
	11:00	2/24/2007	0.4	0.2	20.6	78.9	
	17:35	3/28/2007	0.2	0.2	20.0	79.6	
	10:24	5/1/2007	0.0	1.4	17.0	81.6	
	11:57	5/30/2007	0.0	1.4	16.7	81.9	
	16:00	6/19/2007	0.0	0.0	20.6	79.4	
	11:42	8/13/2007	0.0	2.8	16.6	80.6	
	10:24	10/18/2007	0.1	4.2	15.0	80.7	
	14:05	1/23/2008	0.4	1.2	20.9	77.5	
	9:05	6/12/2008	0.0	0.6	18.9	80.5	
	12:10	7/21/2008	0.0	1.6	16.4	82.0	
	11:52	10/3/2008	0.0	3.6	16.8	79.6	
	11:03	10/13/2008	0.0	18.7	1.8	79.5	
	11:00	1/27/2009	0.3	1.0	20.8	78.0	
	9:29	4/9/2009	0.0	0.4	19.1	80.5	
	11:35	7/22/2009	0.0	1.8	16.1	82.1	
	10:25	10/28/2009	0.0	2.6	17.4	80.0	
	10:40	1/26/2010	0.3	2.2	18.4	79.1	
	8:44	5/25/2010	0.0	1.4	16.8	81.8	
	11:05	9/28/2010	0.0	4.6	14.1	81.3	
	8:08	1/25/2011	0.2	1.2	19.2	79.4	
	10:10	4/25/2011	0.1	0.2	20.7	79.0	
	6:30	7/13/2011	0.0	1.8	14.2	84.0	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-102	12:08	10/26/2011	0.0	2.4	18.4	79.2	
	10:30	1/25/2012	0.1	0.4	17.9	81.6	
	10:37	4/2/2012	0.1	1.4	18.5	80.0	
	10:28	7/25/2012	0.0	3.0	15.0	82.0	
	9:05	10/15/2012	0.0	2.8	16.7	80.5	

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

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-103	7:15	1/25/2011	0.0	0.2	19.4	80.4	
	7:25	4/25/2011	0.2	3.0	17.5	79.3	
	7:15	7/13/2011	0.0	0.0	20.5	79.5	
	7:35	10/26/2011	0.0	0.0	20.9	79.1	
	7:14	1/25/2012	0.2	2.6	16.9	80.3	
	9:10	4/2/2012	0.0	0.0	20.9	79.1	
	7:48	7/25/2012	0.0	3.4	15.5	81.1	
	10:50	10/15/2012	0.0	0.2	18.9	80.9	

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-104	9:29	3/23/2006	**12.8**	18.5	0.8	67.9	pre-startup
	15:45	3/30/2006	0.0	0.0	20.7	79.3	
	13:10	4/6/2006	**6.8**	8.9	10.5	73.8	
	14:50	4/11/2006	4.1	7.1	9.2	79.6	
	11:40	4/17/2006	2.0	0.3	21.0	76.7	
	14:10	4/28/2006	0.0	0.0	20.7	79.3	
	15:40	5/4/2006	0.0	0.0	8.1	91.9	
	10:27	5/22/2006	0.0	0.1	19.9	80.0	
	8:32	6/9/2006	0.0	0.0	19.6	80.4	
	12:45	6/14/2006	3.2	0.8	18.8	77.2	
	10:54	6/22/2006	0.8	0.1	19.7	79.4	
	12:19	7/5/2006	0.6	0.0	20.0	79.4	
	11:40	7/10/2006	0.7	0.6	19.8	78.9	
	11:05	7/17/2006	0.1	0.0	19.6	80.3	
	12:38	7/28/2006	0.6	0.0	19.8	79.6	
	9:49	8/8/2006	0.6	0.0	20.0	79.4	
	9:14	8/16/2006	0.7	0.2	19.4	79.7	
	8:30	8/21/2006	0.1	0.3	18.1	81.5	
	14:16	8/28/2006	0.0	0.0	17.6	82.4	
	11:29	9/13/2006	0.7	0.2	16.8	82.3	
	11:27	9/25/2006	0.0	0.2	19.5	80.3	
	8:27	10/10/2006	0.7	13.1	4.3	81.9	
	8:30	10/23/2006	0.7	0.3	16.7	82.3	
	14:14	11/2/2006	0.3	0.0	20.6	79.1	
	15:06	11/14/2006	0.2	0.6	19.4	79.8	
	12:04	11/27/2006	0.2	3.0	17.6	79.2	
	13:15	12/26/2006	0.2	0.0	20.0	79.9	
	14:16	1/27/2007	0.1	0.0	19.4	80.5	
	11:35	2/24/2007	0.5	12.8	5.6	81.1	
	16:55	3/28/2007	0.2	0.2	20.0	79.6	
	11:45	5/1/2007	0.0	0.0	18.9	81.1	
	11:48	5/30/2007	0.0	0.0	19.0	81.0	
	15:30	6/19/2007	0.0	0.0	20.9	79.1	
	12:05	8/13/2007	0.0	0.0	20.9	79.1	
	9:50	10/18/2007	0.1	0.0	19.6	80.3	
	13:20	1/23/2008	0.3	0.6	20.6	78.5	
	9:25	6/12/2008	0.0	0.0	20.9	79.1	
	12:30	7/21/2008	0.0	0.0	20.9	79.1	
	11:37	10/3/2008	0.0	0.0	20.9	79.1	
	10:45	10/13/2008	0.0	0.2	20.9	78.9	
	10:50	1/27/2009	0.2	14.6	3.9	81.3	
	11:40	4/9/2009	0.0	1.2	19.2	79.6	
	7:50	7/22/2009	0.0	0.0	19.6	80.4	
	9:48	10/28/2009	0.0	0.0	20.0	80.0	
	8:25	1/26/2010	0.4	0.2	20.4	79.1	
	11:30	5/25/2010	0.0	0.0	19.3	80.7	
	9:25	9/28/2010	0.0	0.2	18.6	81.2	
	7:45	1/25/2011	0.2	0.6	19.6	79.6	
	8:21	4/25/2011	0.2	0.4	20.5	78.9	
	7:47	7/13/2011	0.0	0.0	20.5	79.5	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-104	11:05	10/26/2011	0.0	0.2	20.4	79.4	
	7:10	1/25/2012	0.1	1.0	18.5	80.4	
	9:05	4/2/2012	0.0	0.0	20.9	79.1	
	8:07	7/25/2012	0.0	11.0	3.9	85.1	
	8:35	10/15/2012	0.0	0.0	18.1	81.9	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
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	10.0	11.6	71.9	
	8:16	3/29/2007	5.5	8.8	12.3	73.4	
	17:15	3/29/2007	5.0	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	5.0	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	5.0	7.8	12.8	74.4	
	10:35	10/28/2009	6.5	7.4	13.9	72.2	
	7:20	1/27/2009	3.8	6.4	15.7	74.2	
	13:15	5/25/2010	5.0	5.2	15.2	74.6	
	10:45	9/28/2010	6.5	5.4	15.3	72.8	
	8:11	1/25/2011	4.4	4.2	17.1	74.3	
	10:40	4/25/2011	24.0	5.5	16.3	54.2	
	8:24	7/13/2011	5.5	3.8	17.4	73.3	
	16:15	9/15/2011	13.0	13.8	9.9	63.3	
	8:22	9/21/2011	34.0	26.8	2.9	36.3	
	9:28	9/21/2011	18.5	18.4	6.5	56.6	
	9:20	9/22/2011	22.5	22.6	3.7	51.2	
	10:05	9/22/2011	17.0	18.0	7.0	58.0	

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

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	10:51	9/22/2011	18.0	18.8	6.0	57.2	
	10:32	10/3/2011	6.0	8.4	13.9	71.7	
	13:43	10/24/2011	7.5	10.0	12.0	70.5	
	10:50	10/26/2011	7.5	16.4	5.8	70.3	
	10:33	11/7/2011	5.5	7.4	14.6	72.5	
	9:11	11/14/2011	5.0	6.4	14.8	73.8	
	10:20	12/12/2011	7.5	4.8	16.6	71.1	
	10:10	12/27/2011	6.5	5.0	15.8	72.7	
	9:10	1/10/2012	6.0	6.0	14.4	73.6	
	10:17	1/25/2012	3.1	2.4	17.6	76.9	
	9:08	2/20/2012	3.1	3.0	19.3	74.6	
	9:35	3/8/2012	8.0	7.2	14.8	70.0	
	10:15	4/2/2012	4.3	4.4	17.4	73.9	
	8:55	4/16/2012	5.0	4.8	16.4	73.8	
	9:45	4/30/2012	7.5	7.4	13.6	71.5	
	9:08	5/14/2012	7.5	7.6	14.2	70.7	
	9:00	5/29/2012	5.5	5.2	15.7	73.6	
	7:38	6/11/2012	7.0	6.0	15.5	71.5	
	9:35	6/25/2012	4.8	4.6	16.3	74.4	
	8:55	7/9/2012	5.0	5.0	15.6	74.4	
	8:20	7/23/2012	6.0	8.0	13.0	73.0	
	10:17	7/25/2012	7.0	8.9	12.1	72.0	
	8:49	8/6/2012	3.9	5.6	15.0	75.6	
	9:10	8/21/2012	4.7	6.6	14.2	74.6	
	9:07	9/4/2012	4.5	6.8	13.5	75.2	
	8:50	10/1/2012	4.4	7.6	13.0	75.1	
	8:25	10/15/2012	4.8	8.4	12.2	74.7	

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

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
GP-3	9/29/04	102		689					909			110	6660	229	131								205					25400	
	1/28/05			450					590				4500															12600	
	6/2/06												464			105					708							72.9	85.8
	11/2/06			5.9									28.7			19					122								50.1
	5/30/07	1.3	3					2.4	2				7.1			9				0.86	7.4		1			1.9	3.1		25
	8/9/07																												
	10/22/2007												135								33							24.4	
	1/23/2008								3.4				7.3										2.2						
	7/22/2008						1.6														0.74								
	10/7/2008								7.2				1.9		1.4		1.1		0.87		2.7								1.9
	1/27/2009								3.6								1.9												
	4/16/2009																				0.95								
	7/27/2009				0.83												109				19.4						1.2		0.76
	10/27/2009								1.7				5.7	0.82							0.95		6.5						
	2/25/2010				0.86												28				1.7								
	5/25/2010					8.2											15.8						6.2						
	10/12/2010								0.96								299				4.2								
	1/25/2011																1												
	4/25/2011								6.5				19	3			52.2			1.3	3.4		18.4						
	7/13/2011																				1.1					0.87			
	10/26/2011																6.4												
	1/25/2012								1.8								27.8												
	4/3/2012																												
	7/25/2012								2.09				2.28						2.98		3.11		6.9			2.04			
	10/17/2012								2.5				1.1							1.3	1.3								

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	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
GV-6	7/28/2006	172	117	373					1070	42.6			19		281	323					107	27.9		38				3590	649.5
	11/2/2006	50.2	50.4	73.5					166	35.8					70.4	246					155					45	33.7	84.9	666
	2/23/2007								111	24.4					44.3			7.4			7	33.5		17.6					
	5/30/2007	32		190					160	21			19		120	73					56							150	151
	8/9/2007	75.8	127	255				27.6	119	35			22.4		72.5	543					84.6					98.9	88	54.5	1123
	10/22/2007			32					82	68.9			33.9		23	16.3					41.1	29.9		42.3					29
	1/23/2008			87.6					375	64.8			16		69.5							40		41.4					
	7/22/2008	15.3	16.8	84.7					95.5	83.1					58.4	66.2		22.8				63.4							112
	10/7/2008			43					93.6						21.4														
	1/27/2009																8						1.8						
	4/16/2009								3.1								238				1.7					0.85			
	7/27/2009								61.9	28					16.7		502		38.5										
	10/27/2009	17.7		78.7					40.6						77.7	34	32.7				48					39			107.60
	2/25/2010								133						132														
	5/25/2010			1.5					3	1.1							3				1.3								
	10/12/2010	1.9		11.8					5.3	1.6							23												
	1/25/2011																3.6												
	4/25/2011								192						184		4260				86								
	7/13/2011			6.2									10.7		2.9		15.7				4.6	0.96						4.2	
	10/26/2011								3.4								68.9				2.7								
	1/25/2012																				0.9								
	4/3/2012			37.8					53.3	6.3											1.1	5.1		3.3					
	7/25/2012								4.3						1.93				2.36		4.02								
	10/17/2012			15.6					19.6						10		9				1.5								

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

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
LC-1	9/29/04			9.1					70.8						9.5														
	1/28/05								553				1080		178													130	
	7/28/2006	117							71.6						168	149					118								563
	11/2/2006	92.6	16.4	54.3					62.4	27.7			1010		30.5	636				22.1	3010		46.9			38.1	29.8		1954
	2/23/2007	48							129						14.6	64.2		21			40.8								175.2
	5/30/2007	160		270					180	24						380	500				270					57	43		1140
	8/9/2007	76.4	21.8	108					118	17.4					34.8	216	106				46.1					32.3	21		489.8
	10/22/2007	51.1	150	86.9					170	49.3					38	328	15.9				38.7					47.5	39.4		546.7
	1/23/2008																												
	7/22/2008	31.6	84.8	48.7					13.5	48.5			1.4		13.1	235		23		3.5		6.4	2.2	2.4	0.95	18	12.1		409.8
	10/7/2008	11.2		27.2					2.8	26.4			1.3				1.8				1.9	1.9	1.4	1.1					
	1/27/2009			7.6													3.3						4						
	4/16/2009								1.1				1.3				1.8				0.94								
	7/27/2009	1.5															7.1			1.2	1.5					3.6	1.7		6.4
	10/27/2009			267					388							384													626
	2/25/2010			123					176	19.2					88.9														
	5/25/2010	3.4		62.4					24.1																	1.3			
	10/12/2010	3.1		14.2					43.4	1.1					16.3	4.9	34.6				6.2					3.8	1.4		4.7
	1/25/2011																5.4												
	4/25/2011	83.2	74.9						542	70.7					193	193	665				68.8								309
	7/13/2011			63.4					36.8	10.7					18.6														
	10/26/2011															11.4	193				10.6		39.1						20.5
	1/25/2012			57.4					55.8	6.4					34.2														
	4/3/2012	19.5		29.5					91.2						22.7		52.2												
	7/25/2012			76.4					296																				
	10/17/2012								260						57														

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		7088.5
	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
	1/23/2008	282	54.7	426					956	19.1					274	200					80			82		77.7	24.1	18.4	1549.9
	7/22/2008	354	114	535					840						286	400					119								1820
	10/7/2008	37.2		284					538						211		18.3												
	1/27/2009					1.2							1.8				9.7			1.3			8.8		3.2				
	4/16/2009			1.5					5.3								200				2								
	7/27/2009								1490							243													1270
	10/27/2009	578		637					595						422	375						777	995						1920
	2/25/2010			224					161						197														
	5/25/2010	16.1		64.1					10.7	1.2					39.2		11.8				2.3								
	10/12/2010			43.7					113						56.9		38.7												
	1/25/2011																2.6				1.1								
	4/25/2011																10.3				3.6					0.83			
	7/13/2011	58							439																				
	10/26/2011	20		243					379						211														
	1/25/2012			2.3					4						3.1		79												
	4/3/2012								408						190														
	7/25/2012	22.6																	3.3		4.33								
	10/17/2012								0.95												1.2					1.8			

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	137000		260	18400	2700			260	146000		3200	270		260	150	172000	47400
	8/9/2007	28.8							258	58.6			4960		25.9		197				328		64.1	19.3				4680	
	10/22/2007	162							447	21.6			38300	91.3	66.4	179	1370			20.7	16800		1770	45.4				10700	362.7
	1/23/2008	4.5							44.2	1		10.4	1820		14.2		69.1				37.9		14.5	2.1				1220	
	7/22/2008	30.2	10.3	4.9				1.8	62.4	3.5	0.95	25	6050	13.1	14.3	320	196		15.2	12.6	5140		301	2.6		12.8	7.4	1920	931
	10/7/2008												1.3				2.1						2.1						
	1/27/2009			1.6	2												3.2												
	4/16/2009																674				5.6								
	7/27/2009	26.7	13.2						9.1			24.5	4560		27	311	131			10	2730		289	6.2		0.86	5.5	1760	876
	10/27/2009	256											66400		250	1900	450				33600		1500					9760	7150
	2/25/2010												33.8				54.6										82.5		
	5/25/2010	24.1							94.1			24.5	2470		39	19.3	68.1				692		55.5					1670	41.8
	10/12/2010								24.5			2.2	31.6		5.6		3.8						0.92	0.84					394
	1/25/2011																2.4												
	4/25/2011												34600			3540					44400							27600	10370
	7/13/2011	172							68.9			97.2	9120		49.8	75.9	305				3180		402					11000	159.9
	10/26/2011																22.7												
	1/25/2012								1340				15800								1910							26300	
	4/3/2012								1420				13800								3260							27100	
	7/25/2012	3.2							19.3			1.69	52.1		1.8	2.06	4.02		2.61		43.3		6.96					85.1	3.42
	10/17/2012	92.7							467			46.9	8300	25	52.6	99.5	92.6				2810		248	24.7				10200	237

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

ATTACHMENT A

STRATIGRAPHIC LAYERS OF WELLS

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

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

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

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

October 31, 2012

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

RE: Project: FF/NN Landfill
Pace Project No.: 3080225

Dear Mr. Olavarria:
Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

David A. Pichette

david.pichette@pacelabs.com
Project Manager

Enclosures

cc: Mr. Michael Noel, Geotrans, Inc.

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

CERTIFICATIONS

Project: FF/NN Landfill
Pace Project No.: 3080225

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
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
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 York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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

SAMPLE ANALYTE COUNT

Project: FF/NN Landfill
Pace Project No.: 3080225

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3080225001	LC-1	TO-14M Ambient Air	CJR	40	PASI-M
3080225002	LC-2	TO-14M Ambient Air	CJR	40	PASI-M
3080225003	LC-3	TO-14M Ambient Air	CJR	40	PASI-M
3080225004	GV-6	TO-14M Ambient Air	CJR	40	PASI-M
3080225005	GP-3	TO-14M Ambient Air	CJR	40	PASI-M

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3080225

Sample: LC-1 **Lab ID: 3080225001** Collected: 10/16/12 08:04 Received: 10/17/12 08:32 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO-14M MSV AIR - Ambient	Analytical Method: TO-14M Ambient Air							
Benzene	ND	ppbv	16.8	33.6		10/25/12 01:25	71-43-2	
Bromomethane	ND	ppbv	16.8	33.6		10/25/12 01:25	74-83-9	
Carbon tetrachloride	ND	ppbv	16.8	33.6		10/25/12 01:25	56-23-5	
Chlorobenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	108-90-7	
Chloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	75-00-3	
Chloroform	ND	ppbv	16.8	33.6		10/25/12 01:25	67-66-3	
Chloromethane	ND	ppbv	16.8	33.6		10/25/12 01:25	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	16.8	33.6		10/25/12 01:25	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	106-46-7	
Dichlorodifluoromethane	**260**	ppbv	16.8	33.6		10/25/12 01:25	75-71-8	
1,1-Dichloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	75-34-3	
1,2-Dichloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	107-06-2	
1,1-Dichloroethene	ND	ppbv	16.8	33.6		10/25/12 01:25	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	16.8	33.6		10/25/12 01:25	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	16.8	33.6		10/25/12 01:25	156-60-5	
1,2-Dichloropropane	ND	ppbv	16.8	33.6		10/25/12 01:25	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	16.8	33.6		10/25/12 01:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	16.8	33.6		10/25/12 01:25	10061-02-6	
Dichlorotetrafluoroethane	**57.0**	ppbv	16.8	33.6		10/25/12 01:25	76-14-2	
Ethylbenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	16.8	33.6		10/25/12 01:25	87-68-3	
Methylene Chloride	ND	ppbv	16.8	33.6		10/25/12 01:25	75-09-2	
Styrene	ND	ppbv	16.8	33.6		10/25/12 01:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	79-34-5	
Tetrachloroethene	ND	ppbv	16.8	33.6		10/25/12 01:25	127-18-4	
THC as Gas	**5380**	ppbv	1180	33.6		10/25/12 01:25		L1
Toluene	ND	ppbv	16.8	33.6		10/25/12 01:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	79-00-5	
Trichloroethene	ND	ppbv	16.8	33.6		10/25/12 01:25	79-01-6	
Trichlorofluoromethane	ND	ppbv	16.8	33.6		10/25/12 01:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	16.8	33.6		10/25/12 01:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	16.8	33.6		10/25/12 01:25	108-67-8	
Vinyl chloride	ND	ppbv	16.8	33.6		10/25/12 01:25	75-01-4	
m&p-Xylene	ND	ppbv	33.6	33.6		10/25/12 01:25	179601-23-1	
o-Xylene	ND	ppbv	16.8	33.6		10/25/12 01:25	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3080225

Sample: LC-2 **Lab ID: 3080225002** Collected: 10/16/12 08:02 Received: 10/17/12 08:32 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO-14M MSV AIR - Ambient	Analytical Method: TO-14M Ambient Air							
Benzene	ND	ppbv	0.90	1.8		10/26/12 08:18	71-43-2	
Bromomethane	ND	ppbv	0.90	1.8		10/26/12 08:18	74-83-9	
Carbon tetrachloride	ND	ppbv	0.90	1.8		10/26/12 08:18	56-23-5	
Chlorobenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	108-90-7	
Chloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	75-00-3	
Chloroform	ND	ppbv	0.90	1.8		10/26/12 08:18	67-66-3	
Chloromethane	ND	ppbv	0.90	1.8		10/26/12 08:18	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.90	1.8		10/26/12 08:18	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	106-46-7	
Dichlorodifluoromethane	**0.95**	ppbv	0.90	1.8		10/26/12 08:18	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.90	1.8		10/26/12 08:18	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.90	1.8		10/26/12 08:18	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.90	1.8		10/26/12 08:18	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.90	1.8		10/26/12 08:18	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.90	1.8		10/26/12 08:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.90	1.8		10/26/12 08:18	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	76-14-2	
Ethylbenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.90	1.8		10/26/12 08:18	87-68-3	
Methylene Chloride	ND	ppbv	0.90	1.8		10/26/12 08:18	75-09-2	
Styrene	ND	ppbv	0.90	1.8		10/26/12 08:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	79-34-5	
Tetrachloroethene	ND	ppbv	0.90	1.8		10/26/12 08:18	127-18-4	
THC as Gas	**140**	ppbv	63.0	1.8		10/26/12 08:18		
Toluene	**1.2**	ppbv	0.90	1.8		10/26/12 08:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	79-00-5	
Trichloroethene	ND	ppbv	0.90	1.8		10/26/12 08:18	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.90	1.8		10/26/12 08:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.90	1.8		10/26/12 08:18	76-13-1	
1,2,4-Trimethylbenzene	**1.8**	ppbv	0.90	1.8		10/26/12 08:18	95-63-6	C0,L1, SS
1,3,5-Trimethylbenzene	ND	ppbv	0.90	1.8		10/26/12 08:18	108-67-8	
Vinyl chloride	ND	ppbv	0.90	1.8		10/26/12 08:18	75-01-4	
m&p-Xylene	ND	ppbv	1.8	1.8		10/26/12 08:18	179601-23-1	
o-Xylene	ND	ppbv	0.90	1.8		10/26/12 08:18	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3080225

Sample: LC-3 **Lab ID: 3080225003** Collected: 10/16/12 08:11 Received: 10/17/12 08:32 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO-14M MSV AIR - Ambient	Analytical Method: TO-14M Ambient Air							
Benzene	**92.7**	ppbv	16.8	33.6		10/25/12 02:23	71-43-2	
Bromomethane	ND	ppbv	16.8	33.6		10/25/12 02:23	74-83-9	
Carbon tetrachloride	ND	ppbv	16.8	33.6		10/25/12 02:23	56-23-5	
Chlorobenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	108-90-7	
Chloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	75-00-3	
Chloroform	ND	ppbv	16.8	33.6		10/25/12 02:23	67-66-3	
Chloromethane	ND	ppbv	16.8	33.6		10/25/12 02:23	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	16.8	33.6		10/25/12 02:23	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	106-46-7	
Dichlorodifluoromethane	**467**	ppbv	16.8	33.6		10/25/12 02:23	75-71-8	
1,1-Dichloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	75-34-3	
1,2-Dichloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	107-06-2	
1,1-Dichloroethene	**46.9**	ppbv	16.8	33.6		10/25/12 02:23	75-35-4	
cis-1,2-Dichloroethene	**8300**	ppbv	269	537.6		10/26/12 03:30	156-59-2	A3
trans-1,2-Dichloroethene	**25.0**	ppbv	16.8	33.6		10/25/12 02:23	156-60-5	
1,2-Dichloropropane	ND	ppbv	16.8	33.6		10/25/12 02:23	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	16.8	33.6		10/25/12 02:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	16.8	33.6		10/25/12 02:23	10061-02-6	
Dichlorotetrafluoroethane	**52.6**	ppbv	16.8	33.6		10/25/12 02:23	76-14-2	
Ethylbenzene	**99.5**	ppbv	16.8	33.6		10/25/12 02:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	16.8	33.6		10/25/12 02:23	87-68-3	
Methylene Chloride	**92.6**	ppbv	16.8	33.6		10/25/12 02:23	75-09-2	
Styrene	ND	ppbv	16.8	33.6		10/25/12 02:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	79-34-5	
Tetrachloroethene	ND	ppbv	16.8	33.6		10/25/12 02:23	127-18-4	
THC as Gas	**21600**	ppbv	1180	33.6		10/25/12 02:23		L1
Toluene	**2810**	ppbv	269	537.6		10/26/12 03:30	108-88-3	A3
1,2,4-Trichlorobenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	79-00-5	
Trichloroethene	**248**	ppbv	16.8	33.6		10/25/12 02:23	79-01-6	
Trichlorofluoromethane	**24.7**	ppbv	16.8	33.6		10/25/12 02:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	16.8	33.6		10/25/12 02:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	16.8	33.6		10/25/12 02:23	108-67-8	
Vinyl chloride	**10200**	ppbv	269	537.6		10/26/12 03:30	75-01-4	A3
m&p-Xylene	**206**	ppbv	33.6	33.6		10/25/12 02:23	179601-23-1	
o-Xylene	**31.0**	ppbv	16.8	33.6		10/25/12 02:23	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3080225

Sample: GV-6 **Lab ID: 3080225004** Collected: 10/16/12 08:06 Received: 10/17/12 08:32 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO-14M MSV AIR - Ambient	Analytical Method: TO-14M Ambient Air							
Benzene	ND	ppbv	1.4	2.82		10/26/12 09:45	71-43-2	
Bromomethane	ND	ppbv	1.4	2.82		10/26/12 09:45	74-83-9	
Carbon tetrachloride	ND	ppbv	1.4	2.82		10/26/12 09:45	56-23-5	
Chlorobenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	108-90-7	
Chloroethane	**15.6**	ppbv	1.4	2.82		10/26/12 09:45	75-00-3	
Chloroform	ND	ppbv	1.4	2.82		10/26/12 09:45	67-66-3	
Chloromethane	ND	ppbv	1.4	2.82		10/26/12 09:45	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.4	2.82		10/26/12 09:45	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	106-46-7	
Dichlorodifluoromethane	**19.6**	ppbv	1.4	2.82		10/26/12 09:45	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.4	2.82		10/26/12 09:45	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.4	2.82		10/26/12 09:45	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.4	2.82		10/26/12 09:45	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.4	2.82		10/26/12 09:45	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.4	2.82		10/26/12 09:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.4	2.82		10/26/12 09:45	10061-02-6	
Dichlorotetrafluoroethane	**10.0**	ppbv	1.4	2.82		10/26/12 09:45	76-14-2	
Ethylbenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.4	2.82		10/26/12 09:45	87-68-3	
Methylene Chloride	**9.0**	ppbv	1.4	2.82		10/26/12 09:45	75-09-2	
Styrene	ND	ppbv	1.4	2.82		10/26/12 09:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	79-34-5	
Tetrachloroethene	ND	ppbv	1.4	2.82		10/26/12 09:45	127-18-4	
THC as Gas	**1270**	ppbv	98.7	2.82		10/26/12 09:45		
Toluene	**1.5**	ppbv	1.4	2.82		10/26/12 09:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	79-00-5	
Trichloroethene	ND	ppbv	1.4	2.82		10/26/12 09:45	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.4	2.82		10/26/12 09:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.4	2.82		10/26/12 09:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.4	2.82		10/26/12 09:45	108-67-8	
Vinyl chloride	ND	ppbv	1.4	2.82		10/26/12 09:45	75-01-4	
m&p-Xylene	ND	ppbv	2.8	2.82		10/26/12 09:45	179601-23-1	
o-Xylene	ND	ppbv	1.4	2.82		10/26/12 09:45	95-47-6	

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ANALYTICAL RESULTS

Project: FF/NN Landfill
Pace Project No.: 3080225

Sample: GP-3 **Lab ID: 3080225005** Collected: 10/16/12 08:16 Received: 10/17/12 08:32 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO-14M MSV AIR - Ambient	Analytical Method: TO-14M Ambient Air							
Benzene	ND	ppbv	0.84	1.68		10/26/12 07:49	71-43-2	
Bromomethane	ND	ppbv	0.84	1.68		10/26/12 07:49	74-83-9	
Carbon tetrachloride	ND	ppbv	0.84	1.68		10/26/12 07:49	56-23-5	
Chlorobenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	108-90-7	
Chloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	75-00-3	
Chloroform	ND	ppbv	0.84	1.68		10/26/12 07:49	67-66-3	
Chloromethane	ND	ppbv	0.84	1.68		10/26/12 07:49	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.84	1.68		10/26/12 07:49	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	106-46-7	
Dichlorodifluoromethane	**2.5**	ppbv	0.84	1.68		10/26/12 07:49	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.84	1.68		10/26/12 07:49	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ppbv	0.84	1.68		10/26/12 07:49	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.84	1.68		10/26/12 07:49	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.84	1.68		10/26/12 07:49	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.84	1.68		10/26/12 07:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.84	1.68		10/26/12 07:49	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	76-14-2	
Ethylbenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.84	1.68		10/26/12 07:49	87-68-3	
Methylene Chloride	ND	ppbv	0.84	1.68		10/26/12 07:49	75-09-2	
Styrene	ND	ppbv	0.84	1.68		10/26/12 07:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	79-34-5	
Tetrachloroethene	**1.3**	ppbv	0.84	1.68		10/26/12 07:49	127-18-4	
THC as Gas	**601**	ppbv	58.8	1.68		10/26/12 07:49		
Toluene	**1.3**	ppbv	0.84	1.68		10/26/12 07:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	79-00-5	
Trichloroethene	ND	ppbv	0.84	1.68		10/26/12 07:49	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.84	1.68		10/26/12 07:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.84	1.68		10/26/12 07:49	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.84	1.68		10/26/12 07:49	108-67-8	
Vinyl chloride	ND	ppbv	0.84	1.68		10/26/12 07:49	75-01-4	
m&p-Xylene	ND	ppbv	1.7	1.68		10/26/12 07:49	179601-23-1	
o-Xylene	ND	ppbv	0.84	1.68		10/26/12 07:49	95-47-6	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

QC Batch: AIR/16023 Analysis Method: TO-14M Ambient Air
QC Batch Method: TO-14M Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3080225001, 3080225003

METHOD BLANK: 1317735 Matrix: Air
Associated Lab Samples: 3080225001, 3080225003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/24/12 14:48	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/24/12 14:48	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/24/12 14:48	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/24/12 14:48	
1,1-Dichloroethane	ppbv	ND	0.50	10/24/12 14:48	
1,1-Dichloroethene	ppbv	ND	0.50	10/24/12 14:48	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/24/12 14:48	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/24/12 14:48	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/24/12 14:48	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/24/12 14:48	
1,2-Dichloroethane	ppbv	ND	0.50	10/24/12 14:48	
1,2-Dichloropropane	ppbv	ND	0.50	10/24/12 14:48	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/24/12 14:48	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/24/12 14:48	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/24/12 14:48	
Benzene	ppbv	ND	0.50	10/24/12 14:48	
Bromomethane	ppbv	ND	0.50	10/24/12 14:48	
Carbon tetrachloride	ppbv	ND	0.50	10/24/12 14:48	
Chlorobenzene	ppbv	ND	0.50	10/24/12 14:48	
Chloroethane	ppbv	ND	0.50	10/24/12 14:48	
Chloroform	ppbv	ND	0.50	10/24/12 14:48	
Chloromethane	ppbv	ND	0.50	10/24/12 14:48	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/24/12 14:48	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/24/12 14:48	
Dichlorodifluoromethane	ppbv	ND	0.50	10/24/12 14:48	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/24/12 14:48	
Ethylbenzene	ppbv	ND	0.50	10/24/12 14:48	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/24/12 14:48	
m&p-Xylene	ppbv	ND	1.0	10/24/12 14:48	
Methylene Chloride	ppbv	ND	0.50	10/24/12 14:48	
o-Xylene	ppbv	ND	0.50	10/24/12 14:48	
Styrene	ppbv	ND	0.50	10/24/12 14:48	
Tetrachloroethene	ppbv	ND	0.50	10/24/12 14:48	
THC as Gas	ppbv	ND	35.0	10/24/12 14:48	
Toluene	ppbv	ND	0.50	10/24/12 14:48	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/24/12 14:48	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/24/12 14:48	
Trichloroethene	ppbv	ND	0.50	10/24/12 14:48	
Trichlorofluoromethane	ppbv	ND	0.50	10/24/12 14:48	
Vinyl chloride	ppbv	ND	0.50	10/24/12 14:48	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

LABORATORY CONTROL SAMPLE: 1317736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	9.0	90	72-129	
1,1,2,2-Tetrachloroethane	ppbv	10	12.5	125	73-131	
1,1,2-Trichloroethane	ppbv	10	11.5	115	71-128	
1,1,2-Trichlorotrifluoroethane	ppbv	10	8.1	81	65-132	
1,1-Dichloroethane	ppbv	10	8.3	83	67-132	
1,1-Dichloroethene	ppbv	10	8.2	82	68-134	
1,2,4-Trichlorobenzene	ppbv	10	7.2	72	48-150	
1,2,4-Trimethylbenzene	ppbv	10	11.5	115	72-127	
1,2-Dibromoethane (EDB)	ppbv	10	11.7	117	75-130	
1,2-Dichlorobenzene	ppbv	10	11.8	118	71-132	
1,2-Dichloroethane	ppbv	10	8.9	89	70-131	
1,2-Dichloropropane	ppbv	10	11.6	116	73-130	
1,3,5-Trimethylbenzene	ppbv	10	11.6	116	70-133	
1,3-Dichlorobenzene	ppbv	10	11.3	113	71-128	
1,4-Dichlorobenzene	ppbv	10	11.7	117	72-131	
Benzene	ppbv	10	10.9	109	69-134	
Bromomethane	ppbv	10	9.0	90	69-125	
Carbon tetrachloride	ppbv	10	8.9	89	68-128	
Chlorobenzene	ppbv	10	11.4	114	75-128	
Chloroethane	ppbv	10	9.4	94	66-131	
Chloroform	ppbv	10	9.6	96	68-132	
Chloromethane	ppbv	10	8.8	88	60-139	
cis-1,2-Dichloroethene	ppbv	10	11.2	112	73-130	
cis-1,3-Dichloropropene	ppbv	10	12.2	122	74-134	
Dichlorodifluoromethane	ppbv	10	8.5	85	67-131	
Dichlorotetrafluoroethane	ppbv	10	8.8	88	66-130	
Ethylbenzene	ppbv	10	11.8	118	69-139	
Hexachloro-1,3-butadiene	ppbv	10	7.7	77	41-150	
m&p-Xylene	ppbv	20	22.4	112	66-137	
Methylene Chloride	ppbv	10	8.2	82	73-134	
o-Xylene	ppbv	10	11.2	112	69-138	
Styrene	ppbv	10	11.7	117	72-132	
Tetrachloroethene	ppbv	10	11.2	112	70-130	
THC as Gas	ppbv	700	927	132	66-131	L1
Toluene	ppbv	10	11.1	111	71-132	
trans-1,2-Dichloroethene	ppbv	10	8.7	87	72-128	
trans-1,3-Dichloropropene	ppbv	10	9.5	95	73-130	
Trichloroethene	ppbv	10	10.9	109	72-131	
Trichlorofluoromethane	ppbv	10	7.3	73	66-129	
Vinyl chloride	ppbv	10	9.4	94	70-131	

SAMPLE DUPLICATE: 1318562

Parameter	Units	10209842001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	ND		
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		
1,1,2-Trichloroethane	ppbv	ND	ND		

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

SAMPLE DUPLICATE: 1318562

Parameter	Units	10209842001 Result	Dup Result	RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		
1,1-Dichloroethane	ppbv	ND	ND		
1,1-Dichloroethene	ppbv	ND	ND		
1,2,4-Trichlorobenzene	ppbv	ND	ND		
1,2,4-Trimethylbenzene	ppbv	ND	ND		
1,2-Dibromoethane (EDB)	ppbv	ND	ND		
1,2-Dichlorobenzene	ppbv	ND	ND		
1,2-Dichloroethane	ppbv	ND	ND		
1,2-Dichloropropane	ppbv	ND	ND		
1,3,5-Trimethylbenzene	ppbv	ND	ND		
1,3-Dichlorobenzene	ppbv	ND	ND		
1,4-Dichlorobenzene	ppbv	ND	ND		
Benzene	ppbv	ND	11.1J		
Bromomethane	ppbv	ND	ND		
Carbon tetrachloride	ppbv	ND	ND		
Chlorobenzene	ppbv	ND	ND		
Chloroethane	ppbv	ND	ND		
Chloroform	ppbv	ND	ND		
Chloromethane	ppbv	ND	20.5		
cis-1,2-Dichloroethene	ppbv	ND	ND		
cis-1,3-Dichloropropene	ppbv	ND	ND		
Dichlorodifluoromethane	ppbv	ND	ND		
Dichlorotetrafluoroethane	ppbv	ND	ND		
Ethylbenzene	ppbv	ND	ND		
Hexachloro-1,3-butadiene	ppbv	ND	ND		
m&p-Xylene	ppbv	ND	ND		
Methylene Chloride	ppbv	ND	ND		
o-Xylene	ppbv	ND	ND		
Styrene	ppbv	ND	ND		
Tetrachloroethene	ppbv	ND	ND		
THC as Gas	ppbv	4630	4260	8	L1
Toluene	ppbv	25.0	23.8	5	
trans-1,2-Dichloroethene	ppbv	ND	ND		
trans-1,3-Dichloropropene	ppbv	ND	ND		
Trichloroethene	ppbv	ND	ND		
Trichlorofluoromethane	ppbv	ND	ND		
Vinyl chloride	ppbv	ND	ND		

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

QC Batch: AIR/16042 Analysis Method: TO-14M Ambient Air
QC Batch Method: TO-14M Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3080225004, 3080225005

METHOD BLANK: 1319788 Matrix: Air
Associated Lab Samples: 3080225004, 3080225005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1-Dichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichloropropane	ppbv	ND	0.50	10/25/12 20:46	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
Benzene	ppbv	ND	0.50	10/25/12 20:46	
Bromomethane	ppbv	ND	0.50	10/25/12 20:46	
Carbon tetrachloride	ppbv	ND	0.50	10/25/12 20:46	
Chlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
Chloroethane	ppbv	ND	0.50	10/25/12 20:46	
Chloroform	ppbv	ND	0.50	10/25/12 20:46	
Chloromethane	ppbv	ND	0.50	10/25/12 20:46	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/25/12 20:46	
Dichlorodifluoromethane	ppbv	ND	0.50	10/25/12 20:46	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/25/12 20:46	
Ethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/25/12 20:46	
m&p-Xylene	ppbv	ND	1.0	10/25/12 20:46	
Methylene Chloride	ppbv	ND	0.50	10/25/12 20:46	
o-Xylene	ppbv	ND	0.50	10/25/12 20:46	
Styrene	ppbv	ND	0.50	10/25/12 20:46	
Tetrachloroethene	ppbv	ND	0.50	10/25/12 20:46	
THC as Gas	ppbv	ND	35.0	10/25/12 20:46	
Toluene	ppbv	ND	0.50	10/25/12 20:46	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/25/12 20:46	
Trichloroethene	ppbv	ND	0.50	10/25/12 20:46	
Trichlorofluoromethane	ppbv	ND	0.50	10/25/12 20:46	
Vinyl chloride	ppbv	ND	0.50	10/25/12 20:46	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

LABORATORY CONTROL SAMPLE: 1319789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	11.2	112	72-129	
1,1,2,2-Tetrachloroethane	ppbv	10	13.5	135	73-131	L3
1,1,2-Trichloroethane	ppbv	10	11.4	114	71-128	
1,1,2-Trichlorotrifluoroethane	ppbv	10	10.8	108	65-132	
1,1-Dichloroethane	ppbv	10	10.7	107	67-132	
1,1-Dichloroethene	ppbv	10	10.5	105	68-134	
1,2,4-Trichlorobenzene	ppbv	10	12.5	125	48-150	
1,2,4-Trimethylbenzene	ppbv	10	13.2	132	72-127	L3
1,2-Dibromoethane (EDB)	ppbv	10	12.5	125	75-130	
1,2-Dichlorobenzene	ppbv	10	12.9	129	71-132	
1,2-Dichloroethane	ppbv	10	11.2	112	70-131	
1,2-Dichloropropane	ppbv	10	11.3	113	73-130	
1,3,5-Trimethylbenzene	ppbv	10	10.2	102	70-133	
1,3-Dichlorobenzene	ppbv	10	12.7	127	71-128	
1,4-Dichlorobenzene	ppbv	10	12.2	122	72-131	
Benzene	ppbv	10	11.0	110	69-134	
Bromomethane	ppbv	10	10.5	105	69-125	
Carbon tetrachloride	ppbv	10	11.6	116	68-128	
Chlorobenzene	ppbv	10	11.8	118	75-128	
Chloroethane	ppbv	10	11.0	110	66-131	
Chloroform	ppbv	10	11.1	111	68-132	
Chloromethane	ppbv	10	10.7	107	60-139	
cis-1,2-Dichloroethene	ppbv	10	11.4	114	73-130	
cis-1,3-Dichloropropene	ppbv	10	12.0	120	74-134	
Dichlorodifluoromethane	ppbv	10	10.7	107	67-131	
Dichlorotetrafluoroethane	ppbv	10	10.7	107	66-130	
Ethylbenzene	ppbv	10	11.9	119	69-139	
Hexachloro-1,3-butadiene	ppbv	10	13.1	131	41-150	
m&p-Xylene	ppbv	20	23.8	119	66-137	
Methylene Chloride	ppbv	10	9.9	99	73-134	
o-Xylene	ppbv	10	11.0	110	69-138	
Styrene	ppbv	10	12.5	125	72-132	
Tetrachloroethene	ppbv	10	12.5	125	70-130	
THC as Gas	ppbv	700	689	98	66-131	
Toluene	ppbv	10	8.7	87	71-132	
trans-1,2-Dichloroethene	ppbv	10	10.5	105	72-128	
trans-1,3-Dichloropropene	ppbv	10	9.9	99	73-130	
Trichloroethene	ppbv	10	10.9	109	72-131	
Trichlorofluoromethane	ppbv	10	10.4	104	66-129	
Vinyl chloride	ppbv	10	10.8	108	70-131	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

QC Batch: AIR/16051 Analysis Method: TO-14M Ambient Air
QC Batch Method: TO-14M Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 3080225002

METHOD BLANK: 1321518 Matrix: Air
Associated Lab Samples: 3080225002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1-Dichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,1-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichloroethane	ppbv	ND	0.50	10/25/12 20:46	
1,2-Dichloropropane	ppbv	ND	0.50	10/25/12 20:46	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
Benzene	ppbv	ND	0.50	10/25/12 20:46	
Bromomethane	ppbv	ND	0.50	10/25/12 20:46	
Carbon tetrachloride	ppbv	ND	0.50	10/25/12 20:46	
Chlorobenzene	ppbv	ND	0.50	10/25/12 20:46	
Chloroethane	ppbv	ND	0.50	10/25/12 20:46	
Chloroform	ppbv	ND	0.50	10/25/12 20:46	
Chloromethane	ppbv	ND	0.50	10/25/12 20:46	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/25/12 20:46	
Dichlorodifluoromethane	ppbv	ND	0.50	10/25/12 20:46	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/25/12 20:46	
Ethylbenzene	ppbv	ND	0.50	10/25/12 20:46	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/25/12 20:46	
m&p-Xylene	ppbv	ND	1.0	10/25/12 20:46	
Methylene Chloride	ppbv	ND	0.50	10/25/12 20:46	
o-Xylene	ppbv	ND	0.50	10/25/12 20:46	
Styrene	ppbv	ND	0.50	10/25/12 20:46	
Tetrachloroethene	ppbv	ND	0.50	10/25/12 20:46	
THC as Gas	ppbv	ND	35.0	10/25/12 20:46	
Toluene	ppbv	ND	0.50	10/25/12 20:46	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/25/12 20:46	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/25/12 20:46	
Trichloroethene	ppbv	ND	0.50	10/25/12 20:46	
Trichlorofluoromethane	ppbv	ND	0.50	10/25/12 20:46	
Vinyl chloride	ppbv	ND	0.50	10/25/12 20:46	

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QUALITY CONTROL DATA

Project: FF/NN Landfill
Pace Project No.: 3080225

LABORATORY CONTROL SAMPLE: 1321519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10	11.2	112	72-129	
1,1,2,2-Tetrachloroethane	ppbv	10	13.5	135	73-131	L3
1,1,2-Trichloroethane	ppbv	10	11.4	114	71-128	
1,1,2-Trichlorotrifluoroethane	ppbv	10	10.8	108	65-132	
1,1-Dichloroethane	ppbv	10	10.7	107	67-132	
1,1-Dichloroethene	ppbv	10	10.5	105	68-134	
1,2,4-Trichlorobenzene	ppbv	10	12.5	125	48-150	
1,2,4-Trimethylbenzene	ppbv	10	13.2	132	72-127	L3,SS
1,2-Dibromoethane (EDB)	ppbv	10	12.5	125	75-130	
1,2-Dichlorobenzene	ppbv	10	12.9	129	71-132	
1,2-Dichloroethane	ppbv	10	11.2	112	70-131	
1,2-Dichloropropane	ppbv	10	11.3	113	73-130	
1,3,5-Trimethylbenzene	ppbv	10	10.2	102	70-133	
1,3-Dichlorobenzene	ppbv	10	12.7	127	71-128	
1,4-Dichlorobenzene	ppbv	10	12.2	122	72-131	
Benzene	ppbv	10	11.0	110	69-134	
Bromomethane	ppbv	10	10.5	105	69-125	
Carbon tetrachloride	ppbv	10	11.6	116	68-128	
Chlorobenzene	ppbv	10	11.8	118	75-128	
Chloroethane	ppbv	10	11.0	110	66-131	
Chloroform	ppbv	10	11.1	111	68-132	
Chloromethane	ppbv	10	10.7	107	60-139	
cis-1,2-Dichloroethene	ppbv	10	11.4	114	73-130	
cis-1,3-Dichloropropene	ppbv	10	12.0	120	74-134	
Dichlorodifluoromethane	ppbv	10	10.7	107	67-131	
Dichlorotetrafluoroethane	ppbv	10	10.7	107	66-130	
Ethylbenzene	ppbv	10	11.9	119	69-139	
Hexachloro-1,3-butadiene	ppbv	10	13.1	131	41-150	
m&p-Xylene	ppbv	20	23.8	119	66-137	
Methylene Chloride	ppbv	10	9.9	99	73-134	
o-Xylene	ppbv	10	11.0	110	69-138	
Styrene	ppbv	10	12.5	125	72-132	
Tetrachloroethene	ppbv	10	12.5	125	70-130	
THC as Gas	ppbv	700	689	98	66-131	
Toluene	ppbv	10	8.7	87	71-132	
trans-1,2-Dichloroethene	ppbv	10	10.5	105	72-128	
trans-1,3-Dichloropropene	ppbv	10	9.9	99	73-130	
Trichloroethene	ppbv	10	10.9	109	72-131	
Trichlorofluoromethane	ppbv	10	10.4	104	66-129	
Vinyl chloride	ppbv	10	10.8	108	70-131	

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QUALIFIERS

Project: FF/NN Landfill
Pace Project No.: 3080225

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

A3	The sample was analyzed by serial dilution.
C0	Result confirmed by second analysis.
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.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FF/NN Landfill
Pace Project No.: 3080225

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3080225001	LC-1	TO-14M Ambient Air	AIR/16023		
3080225002	LC-2	TO-14M Ambient Air	AIR/16051		
3080225003	LC-3	TO-14M Ambient Air	AIR/16023		
3080225004	GV-6	TO-14M Ambient Air	AIR/16042		
3080225005	GP-3	TO-14M Ambient Air	AIR/16042		

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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.

10209004

07659 Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: TetraTech GeO	Report To: Mike Noel	Attention: Nelson Olavarria Pace Pittsburgh
Address: 175 Corporate Dr Suite 100	Copy To: Nelson Olavarria Cooper Industries	Company Name: Cooper Industries
Email To: Brookfield WI	Purchase Order No.: Houston TX	Address: Houston TX
Phone: 262 Fax: 792-1282	Project Name: FF/NN Landfill	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 1011.05.07	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 #	Sample ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB 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 - 29 Vocs	TO-15	TO15 Short List*	Pace Lab ID
1	LC-1	1LC		10-16	0704	10-16	0804	-28	-2	1011								/			001
2	LC-2	1LC		10-16	0701	10-16	0807	-29	-2	1014								/			002
3	LC-3	1LC		10-16	0706	10-16	0811	-25	-3	1020								/			003
4	GV-6	1LC		10-16	0703	10-16	0806	-30	-2	2464								/			004
5	GP-3	1LC		10-16	0708	10-16	0816	-29	-2	1175								/			005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jack Wendler - Tetra Tech	10/16/12	0900	[signature]	10.17.12	0832

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jack Wendler

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 10-16-12

ORIGINAL

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 22Aug2012 Page 1 of 1
	Document No.: F-MN-A-106-rev.05	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Tetra Tech GeO

Project #: WO# : 10209004

10209004

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

Tracking Number: 8726 5345 3095

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

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

Temperature (TO17 and TO15 samples only): amb **Thermometer Used:** ☐ 888A912167504 ☐ 80512447

Temp should be above freezing to 6°C

Date & Initials of Person Examining Contents: 10.17.12

				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 and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ 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: 5 Cans 5 FC's				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
LC-1	Pace 1011		FC 0044		
" 2	" 1014		FC 0038		
" 3	" 1020		FC 0048		
GV-6	" 2464		FC 0204		
GP-3	" 1175		FC 0035		

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: AF **Date:** 10/17/12

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 hold, incorrect preservative, out of temp, incorrect containers)

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November 01, 2012

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

RE: Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Dear Mr. Olavarria:
Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

David A. Pichette

david.pichette@pacelabs.com
Project Manager

Enclosures

cc: Mr. Michael Noel, Geotrans, Inc.

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CERTIFICATIONS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

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

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SAMPLE ANALYTE COUNT

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3080262001	MW-3A	EPA 8260	SMT	45	PASI-G
3080262002	MW-3B	EPA 8260	SMT	45	PASI-G
3080262003	P-113A	EPA8260	SMT	45	PASI-G
3080262004	P-113B	EPA 8260	SMT	45	PASI-G
3080262005	P-103	EPA8260	SMT	45	PASI-G
3080262006	P-103D	EPA 8260	SMT	45	PASI-G
3080262007	MW-103	EPA 8260	SMT	45	PASI-G
3080262008	MW-112	EPA8260	SMT	45	PASI-G
3080262009	P-116	EPA 8260	SMT	45	PASI-G
3080262010	P-114	EPA 8260	SMT	45	PASI-G
3080262011	P-114DUP	EPA8260	SMT	45	PASI-G
3080262012	P-115	EPA 8260	SMT	45	PASI-G
3080262013	P-111D	EPA8260	SMT	45	PASI-G
3080262014	P-111D DUP	EPA8260	SMT	45	PASI-G
3080262015	P-107D	EPA8260	SMT	45	PASI-G
3080262016	P-107	EPA 8260	SMT	45	PASI-G
3080262017	MW-107	EPA8260	SMT	45	PASI-G
3080262018	MW-104	EPA8260	SMT	45	PASI-G
3080262019	TRIP BLANK	EPA 8260	SMT	45	PASI-G

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-3A **Lab ID: 3080262001** Collected: 10/16/12 12:10 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 18:21	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 18:21	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 18:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 18:21	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 18:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 18:21	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 18:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 18:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 18:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 18:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 18:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 18:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 18:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 18:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 18:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 18:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 18:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 18:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 18:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 18:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 18:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 18:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 18:21	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 18:21	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 18:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 18:21	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 18:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 18:21	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 18:21	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 18:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 18:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 18:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 18:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 18:21	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 18:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 18:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	84	%.	43-137	1		10/26/12 18:21	460-00-4	
Dibromofluoromethane (S)	91	%.	70-130	1		10/26/12 18:21	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-3B **Lab ID: 3080262002** Collected: 10/16/12 12:50 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 15:21	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 15:21	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 15:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 15:21	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 15:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 15:21	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 15:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 15:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 15:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 15:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 15:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 15:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 15:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 15:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 15:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 15:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 15:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 15:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 15:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 15:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 15:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 15:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 15:21	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 15:21	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 15:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 15:21	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 15:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 15:21	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 15:21	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 15:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 15:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 15:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 15:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 15:21	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 15:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 15:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 15:21	460-00-4	
Dibromofluoromethane (S)	89	%.	70-130	1		10/26/12 15:21	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 15:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-113A **Lab ID: 3080262003** Collected: 10/16/12 15:00 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 15:44	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 15:44	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 15:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 15:44	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 15:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 15:44	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 15:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 15:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 15:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 15:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 15:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 15:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 15:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 15:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 15:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 15:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 15:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 15:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 15:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 15:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 15:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 15:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 15:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 15:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 15:44	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 15:44	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 15:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 15:44	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 15:44	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 15:44	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 15:44	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 15:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 15:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 15:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 15:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 15:44	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 15:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 15:44	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	83	%.	43-137	1		10/26/12 15:44	460-00-4	
Dibromofluoromethane (S)	90	%.	70-130	1		10/26/12 15:44	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 15:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-113B **Lab ID: 3080262004** Collected: 10/16/12 16:15 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 16:06	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 16:06	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 16:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 16:06	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 16:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 16:06	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 16:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 16:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 16:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 16:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 16:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 16:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 16:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 16:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 16:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 16:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 16:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 16:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 16:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 16:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 16:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 16:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 16:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 16:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 16:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 16:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 16:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 16:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 16:06	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 16:06	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 16:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 16:06	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 16:06	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 16:06	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 16:06	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 16:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 16:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 16:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 16:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 16:06	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 16:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 16:06	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 16:06	460-00-4	
Dibromofluoromethane (S)	86	%.	70-130	1		10/26/12 16:06	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 16:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-103 **Lab ID: 3080262005** Collected: 10/17/12 09:25 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 19:05	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 19:05	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 19:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 19:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 19:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 19:05	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 19:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 19:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 19:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 19:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 19:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 19:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 19:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 19:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 19:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 19:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 19:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 19:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 19:05	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 19:05	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 19:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 19:05	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 19:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 19:05	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 19:05	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 19:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 19:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 19:05	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 19:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 19:05	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 19:05	460-00-4	
Dibromofluoromethane (S)	89	%.	70-130	1		10/26/12 19:05	1868-53-7	
Toluene-d8 (S)	89	%.	55-137	1		10/26/12 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-103D **Lab ID: 3080262006** Collected: 10/17/12 09:55 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 19:28	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 19:28	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 19:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 19:28	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 19:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 19:28	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 19:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 19:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 19:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 19:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 19:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 19:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 19:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 19:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 19:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 19:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 19:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 19:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 19:28	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 19:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 19:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 19:28	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 19:28	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 19:28	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 19:28	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 19:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 19:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 19:28	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 19:28	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 19:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 19:28	460-00-4	
Dibromofluoromethane (S)	90	%.	70-130	1		10/26/12 19:28	1868-53-7	
Toluene-d8 (S)	85	%.	55-137	1		10/26/12 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-103 **Lab ID: 3080262007** Collected: 10/17/12 10:10 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 19:50	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 19:50	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 19:50	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 19:50	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 19:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 19:50	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 19:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 19:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 19:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 19:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 19:50	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 19:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 19:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 19:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 19:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 19:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 19:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 19:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 19:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:50	75-35-4	
cis-1,2-Dichloroethene	**2.1**	ug/L	1.0	1		10/26/12 19:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 19:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 19:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 19:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 19:50	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 19:50	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 19:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 19:50	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 19:50	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 19:50	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 19:50	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 19:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 19:50	79-00-5	
Trichloroethene	**1.7**	ug/L	1.0	1		10/26/12 19:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 19:50	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 19:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 19:50	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	84	%.	43-137	1		10/26/12 19:50	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130	1		10/26/12 19:50	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 19:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-112 **Lab ID: 3080262008** Collected: 10/17/12 14:40 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 20:12	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 20:12	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 20:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 20:12	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 20:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 20:12	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 20:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 20:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 20:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 20:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 20:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 20:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 20:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 20:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 20:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 20:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 20:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 20:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 20:12	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 20:12	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 20:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 20:12	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 20:12	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 20:12	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 20:12	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 20:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 20:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 20:12	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 20:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 20:12	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 20:12	460-00-4	
Dibromofluoromethane (S)	92	%.	70-130	1		10/26/12 20:12	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 20:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-116 **Lab ID: 3080262009** Collected: 10/17/12 11:05 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 23:57	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 23:57	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 23:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 23:57	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 23:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 23:57	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 23:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 23:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 23:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 23:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 23:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 23:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 23:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 23:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 23:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 23:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 23:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 23:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 23:57	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 23:57	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 23:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 23:57	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 23:57	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 23:57	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 23:57	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 23:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 23:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 23:57	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 23:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 23:57	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	81	%.	43-137	1		10/26/12 23:57	460-00-4	
Dibromofluoromethane (S)	92	%.	70-130	1		10/26/12 23:57	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 23:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-114 **Lab ID: 3080262010** Collected: 10/17/12 11:40 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 20:35	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 20:35	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 20:35	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 20:35	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 20:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 20:35	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 20:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 20:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 20:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 20:35	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 20:35	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 20:35	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 20:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 20:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 20:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 20:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 20:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:35	75-35-4	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	1		10/26/12 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 20:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 20:35	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 20:35	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 20:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 20:35	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 20:35	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 20:35	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 20:35	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 20:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 20:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 20:35	75-69-4	
Vinyl chloride	**6.6**	ug/L	1.0	1		10/26/12 20:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 20:35	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 20:35	460-00-4	
Dibromofluoromethane (S)	90	%.	70-130	1		10/26/12 20:35	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 20:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-114DUP **Lab ID: 3080262011** Collected: 10/17/12 11:45 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 20:57	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 20:57	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 20:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 20:57	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 20:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 20:57	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 20:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 20:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 20:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 20:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 20:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 20:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 20:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 20:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 20:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 20:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 20:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 20:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 20:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:57	75-35-4	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	1		10/26/12 20:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 20:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 20:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 20:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 20:57	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 20:57	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 20:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 20:57	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 20:57	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 20:57	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 20:57	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 20:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 20:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 20:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 20:57	75-69-4	
Vinyl chloride	**6.4**	ug/L	1.0	1		10/26/12 20:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 20:57	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	83	%.	43-137	1		10/26/12 20:57	460-00-4	
Dibromofluoromethane (S)	89	%.	70-130	1		10/26/12 20:57	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 20:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-115 **Lab ID: 3080262012** Collected: 10/17/12 12:20 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 21:20	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 21:20	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 21:20	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 21:20	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 21:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 21:20	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 21:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 21:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 21:20	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 21:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 21:20	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 21:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 21:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 21:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 21:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 21:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 21:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 21:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 21:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 21:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 21:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 21:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 21:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 21:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 21:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 21:20	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 21:20	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 21:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 21:20	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 21:20	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 21:20	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 21:20	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 21:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 21:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 21:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 21:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 21:20	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 21:20	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 21:20	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	84	%.	43-137	1		10/26/12 21:20	460-00-4	
Dibromofluoromethane (S)	93	%.	70-130	1		10/26/12 21:20	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 21:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-111D **Lab ID: 3080262013** Collected: 10/17/12 13:05 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 21:42	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 21:42	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 21:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 21:42	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 21:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 21:42	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 21:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 21:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 21:42	108-90-7	
Chloroethane	**1.3**	ug/L	1.0	1		10/26/12 21:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 21:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 21:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 21:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 21:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 21:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 21:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 21:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 21:42	75-35-4	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	1		10/26/12 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 21:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 21:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 21:42	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 21:42	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 21:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 21:42	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 21:42	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 21:42	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 21:42	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 21:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 21:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 21:42	75-69-4	
Vinyl chloride	**7.2**	ug/L	1.0	1		10/26/12 21:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 21:42	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	79	%.	43-137	1		10/26/12 21:42	460-00-4	
Dibromofluoromethane (S)	91	%.	70-130	1		10/26/12 21:42	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-111D DUP **Lab ID: 3080262014** Collected: 10/17/12 13:10 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 22:05	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 22:05	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 22:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 22:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 22:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 22:05	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 22:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 22:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 22:05	108-90-7	
Chloroethane	**1.8**	ug/L	1.0	1		10/26/12 22:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 22:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 22:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 22:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 22:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 22:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 22:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 22:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:05	75-35-4	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	1		10/26/12 22:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 22:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 22:05	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 22:05	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 22:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 22:05	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 22:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 22:05	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 22:05	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 22:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 22:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 22:05	75-69-4	
Vinyl chloride	**6.9**	ug/L	1.0	1		10/26/12 22:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 22:05	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 22:05	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130	1		10/26/12 22:05	1868-53-7	
Toluene-d8 (S)	90	%.	55-137	1		10/26/12 22:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-107D **Lab ID: 3080262015** Collected: 10/17/12 13:45 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 22:27	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 22:27	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 22:27	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 22:27	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 22:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 22:27	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 22:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 22:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 22:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 22:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 22:27	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 22:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 22:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 22:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 22:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 22:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 22:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 22:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 22:27	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 22:27	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 22:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 22:27	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 22:27	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 22:27	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 22:27	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 22:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 22:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 22:27	75-69-4	
Vinyl chloride	**2.0**	ug/L	1.0	1		10/26/12 22:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 22:27	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	80	%.	43-137	1		10/26/12 22:27	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130	1		10/26/12 22:27	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 22:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: P-107 **Lab ID: 3080262016** Collected: 10/17/12 14:20 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 22:49	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 22:49	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 22:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 22:49	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 22:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 22:49	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 22:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 22:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 22:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 22:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 22:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 22:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 22:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 22:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 22:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 22:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 22:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 22:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 22:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 22:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 22:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 22:49	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 22:49	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 22:49	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 22:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 22:49	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 22:49	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 22:49	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 22:49	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 22:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 22:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 22:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 22:49	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 22:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 22:49	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 22:49	460-00-4	
Dibromofluoromethane (S)	93	%.	70-130	1		10/26/12 22:49	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 22:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-107 **Lab ID: 3080262017** Collected: 10/17/12 14:00 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 23:12	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 23:12	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 23:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 23:12	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 23:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 23:12	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 23:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 23:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 23:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 23:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 23:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 23:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 23:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 23:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 23:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 23:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 23:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 23:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 23:12	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 23:12	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 23:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 23:12	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 23:12	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 23:12	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 23:12	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 23:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 23:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 23:12	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 23:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 23:12	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	80	%.	43-137	1		10/26/12 23:12	460-00-4	
Dibromofluoromethane (S)	92	%.	70-130	1		10/26/12 23:12	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 23:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: MW-104 **Lab ID: 3080262018** Collected: 10/17/12 14:50 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 23:34	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 23:34	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 23:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 23:34	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 23:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 23:34	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 23:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 23:34	56-23-5	
Chlorobenzene	**2.8**	ug/L	1.0	1		10/26/12 23:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 23:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 23:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 23:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 23:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 23:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 23:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 23:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 23:34	541-73-1	
1,4-Dichlorobenzene	**1.8**	ug/L	1.0	1		10/26/12 23:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 23:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 23:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 23:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 23:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 23:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 23:34	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 23:34	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 23:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 23:34	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 23:34	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 23:34	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 23:34	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 23:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 23:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 23:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 23:34	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 23:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 23:34	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	83	%.	43-137	1		10/26/12 23:34	460-00-4	
Dibromofluoromethane (S)	90	%.	70-130	1		10/26/12 23:34	1868-53-7	
Toluene-d8 (S)	88	%.	55-137	1		10/26/12 23:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Sample: TRIP BLANK **Lab ID: 3080262019** Collected: 10/17/12 00:01 Received: 10/19/12 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		10/26/12 18:43	67-64-1	
Benzene	ND	ug/L	1.0	1		10/26/12 18:43	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/12 18:43	75-27-4	
Bromoform	ND	ug/L	1.0	1		10/26/12 18:43	75-25-2	
Bromomethane	ND	ug/L	1.0	1		10/26/12 18:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		10/26/12 18:43	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		10/26/12 18:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/26/12 18:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/12 18:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/12 18:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/26/12 18:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/26/12 18:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/26/12 18:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/12 18:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/12 18:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/26/12 18:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/12 18:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/12 18:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/12 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/12 18:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/12 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/12 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/26/12 18:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		10/26/12 18:43	100-41-4	
Methylene Chloride	ND	ug/L	1.0	1		10/26/12 18:43	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/12 18:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		10/26/12 18:43	91-20-3	
Styrene	ND	ug/L	1.0	1		10/26/12 18:43	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/12 18:43	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1		10/26/12 18:43	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/12 18:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/12 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/12 18:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/12 18:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/12 18:43	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		10/26/12 18:43	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/12 18:43	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	82	%.	43-137	1		10/26/12 18:43	460-00-4	
Dibromofluoromethane (S)	94	%.	70-130	1		10/26/12 18:43	1868-53-7	
Toluene-d8 (S)	87	%.	55-137	1		10/26/12 18:43	2037-26-5	

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

QC Batch: MSV/17337 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3080262002, 3080262003, 3080262004

METHOD BLANK: 697976 Matrix: Water
Associated Lab Samples: 3080262002, 3080262003, 3080262004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/26/12 04:18	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/26/12 04:18	
1,1-Dichloroethane	ug/L	ND	1.0	10/26/12 04:18	
1,1-Dichloroethene	ug/L	ND	1.0	10/26/12 04:18	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/26/12 04:18	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/26/12 04:18	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/26/12 04:18	
1,2-Dichloroethane	ug/L	ND	1.0	10/26/12 04:18	
1,2-Dichloropropane	ug/L	ND	1.0	10/26/12 04:18	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/26/12 04:18	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/26/12 04:18	
2-Butanone (MEK)	ug/L	ND	20.0	10/26/12 04:18	
Acetone	ug/L	ND	20.0	10/26/12 04:18	
Benzene	ug/L	ND	1.0	10/26/12 04:18	
Bromodichloromethane	ug/L	ND	1.0	10/26/12 04:18	
Bromoform	ug/L	ND	1.0	10/26/12 04:18	
Bromomethane	ug/L	ND	1.0	10/26/12 04:18	
Carbon disulfide	ug/L	ND	1.0	10/26/12 04:18	
Carbon tetrachloride	ug/L	ND	1.0	10/26/12 04:18	
Chlorobenzene	ug/L	ND	1.0	10/26/12 04:18	
Chloroethane	ug/L	ND	1.0	10/26/12 04:18	
Chloroform	ug/L	ND	5.0	10/26/12 04:18	
Chloromethane	ug/L	ND	1.0	10/26/12 04:18	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/26/12 04:18	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/26/12 04:18	
Dibromochloromethane	ug/L	ND	1.0	10/26/12 04:18	
Dibromomethane	ug/L	ND	1.0	10/26/12 04:18	
Dichlorodifluoromethane	ug/L	ND	1.0	10/26/12 04:18	
Ethylbenzene	ug/L	ND	1.0	10/26/12 04:18	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/26/12 04:18	
Methylene Chloride	ug/L	ND	1.0	10/26/12 04:18	
Naphthalene	ug/L	ND	5.0	10/26/12 04:18	
Styrene	ug/L	ND	1.0	10/26/12 04:18	
Tetrachloroethene	ug/L	ND	1.0	10/26/12 04:18	
Tetrahydrofuran	ug/L	ND	5.0	10/26/12 04:18	
Toluene	ug/L	ND	1.0	10/26/12 04:18	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/26/12 04:18	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/26/12 04:18	
Trichloroethene	ug/L	ND	1.0	10/26/12 04:18	
Trichlorofluoromethane	ug/L	ND	1.0	10/26/12 04:18	
Vinyl chloride	ug/L	ND	1.0	10/26/12 04:18	
Xylene (Total)	ug/L	ND	3.0	10/26/12 04:18	
4-Bromofluorobenzene (S)	%.	86	43-137	10/26/12 04:18	

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

METHOD BLANK: 697976 Matrix: Water

Associated Lab Samples: 3080262002, 3080262003, 3080262004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromofluoromethane (S)	%.	85	70-130	10/26/12 04:18	
Toluene-d8 (S)	%.	88	55-137	10/26/12 04:18	

LABORATORY CONTROL SAMPLE & LCSD: 697977 697978

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.7	59.7	117	119	70-136	2	20	
1,1,2-Trichloroethane	ug/L	50	51.2	51.9	102	104	70-130	1	20	
1,1-Dichloroethane	ug/L	50	58.0	60.5	116	121	70-146	4	20	
1,1-Dichloroethene	ug/L	50	53.1	57.4	106	115	70-130	8	20	
1,2-Dibromo-3-chloropropane	ug/L	50	47.2	47.5	94	95	46-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	56.7	112	113	70-130	2	20	
1,2-Dichlorobenzene	ug/L	50	53.6	51.9	107	104	70-130	3	20	
1,2-Dichloroethane	ug/L	50	54.2	57.4	108	115	70-144	6	20	
1,2-Dichloropropane	ug/L	50	56.5	54.5	113	109	70-136	4	20	
1,3-Dichlorobenzene	ug/L	50	54.4	53.2	109	106	70-130	2	20	
1,4-Dichlorobenzene	ug/L	50	54.6	52.5	109	105	70-130	4	20	
2-Butanone (MEK)	ug/L	50	57.0	59.9	114	120	50-150	5	20	
Acetone	ug/L	50	54.6	60.3	109	121	50-150	10	20	
Benzene	ug/L	50	52.8	56.6	106	113	70-137	7	20	
Bromodichloromethane	ug/L	50	54.6	52.5	109	105	70-133	4	20	
Bromoform	ug/L	50	46.0	45.8	92	92	59-130	0	20	
Bromomethane	ug/L	50	38.6	45.5	77	91	41-148	16	20	
Carbon disulfide	ug/L	50	54.4	58.6	109	117	70-130	7	20	
Carbon tetrachloride	ug/L	50	62.0	63.3	124	127	70-154	2	20	
Chlorobenzene	ug/L	50	53.5	53.5	107	107	70-130	0	20	
Chloroethane	ug/L	50	51.6	56.1	103	112	70-139	8	20	
Chloroform	ug/L	50	57.5	60.1	115	120	70-130	4	20	
Chloromethane	ug/L	50	45.6	48.6	91	97	45-154	6	20	
cis-1,2-Dichloroethene	ug/L	50	54.9	57.7	110	115	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	50	44.5	42.9	89	86	70-136	4	20	
Dibromochloromethane	ug/L	50	47.2	48.1	94	96	70-130	2	20	
Dichlorodifluoromethane	ug/L	50	37.8	41.6	76	83	20-157	9	20	
Ethylbenzene	ug/L	50	56.8	57.8	114	116	70-130	2	20	
Methyl-tert-butyl ether	ug/L	50	54.7	58.0	109	116	59-141	6	20	
Methylene Chloride	ug/L	50	52.9	55.6	106	111	70-130	5	20	
Styrene	ug/L	50	52.5	53.3	105	107	70-130	2	20	
Tetrachloroethene	ug/L	50	54.8	56.1	110	112	70-130	2	20	
Toluene	ug/L	50	55.1	56.1	110	112	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	54.4	59.0	109	118	70-130	8	20	
trans-1,3-Dichloropropene	ug/L	50	43.3	44.7	87	89	55-135	3	20	
Trichloroethene	ug/L	50	56.8	54.4	114	109	70-130	4	20	
Trichlorofluoromethane	ug/L	50	56.8	61.3	114	123	50-150	8	20	
Vinyl chloride	ug/L	50	50.4	55.2	101	110	61-143	9	20	
Xylene (Total)	ug/L	150	173	173	115	116	70-130	0	20	

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

LABORATORY CONTROL SAMPLE & LCSD: 697977 697978

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.				90	92	43-137			
Dibromofluoromethane (S)	%.				90	90	70-130			
Toluene-d8 (S)	%.				91	91	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 698468 698469

Parameter	Units	4069256010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	58.6	58.5	117	117	70-136	0	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	50.5	50.6	101	101	70-130	0	
1,1-Dichloroethane	ug/L	<0.75	50	50	57.4	55.6	115	111	70-146	3	
1,1-Dichloroethene	ug/L	<0.57	50	50	56.7	54.7	113	109	70-130	4	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	45.0	48.1	90	96	46-150	7	
1,2-Dibromoethane (EDB)	ug/L	<0.56	50	50	55.8	55.1	112	110	70-130	1	
1,2-Dichlorobenzene	ug/L	<0.83	50	50	51.6	51.5	103	103	70-130	0	
1,2-Dichloroethane	ug/L	<0.36	50	50	54.5	52.0	109	104	70-146	5	
1,2-Dichloropropane	ug/L	<0.49	50	50	53.8	54.7	108	109	70-136	2	
1,3-Dichlorobenzene	ug/L	<0.87	50	50	54.0	52.5	108	105	70-130	3	
1,4-Dichlorobenzene	ug/L	<0.95	50	50	53.2	52.4	106	105	70-130	1	
2-Butanone (MEK)	ug/L	<4.3	50	50	50.9	55.0	102	110	50-150	8	
Acetone	ug/L	<5.0	50	50	44.6	46.2	86	89	50-150	3	
Benzene	ug/L	<0.41	50	50	52.7	51.9	105	104	70-137	2	
Bromodichloromethane	ug/L	<0.56	50	50	52.6	53.5	105	107	70-133	2	
Bromoform	ug/L	<0.94	50	50	43.8	43.9	88	88	57-130	0	
Bromomethane	ug/L	<0.91	50	50	48.9	47.1	97	93	41-148	4	
Carbon disulfide	ug/L	<0.66	50	50	59.3	57.8	118	115	50-152	3	
Carbon tetrachloride	ug/L	<0.49	50	50	64.2	62.2	128	124	70-154	3	
Chlorobenzene	ug/L	<0.41	50	50	52.6	50.9	105	102	70-130	3	
Chloroethane	ug/L	<0.97	50	50	57.0	54.6	114	109	70-140	4	
Chloroform	ug/L	<1.3	50	50	57.9	57.9	116	116	70-130	0	
Chloromethane	ug/L	<0.24	50	50	59.4	55.7	118	111	45-154	6	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	55.0	52.7	110	105	70-130	4	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	42.7	44.0	85	88	70-136	3	
Dibromochloromethane	ug/L	<0.81	50	50	47.4	46.1	95	92	70-130	3	
Dichlorodifluoromethane	ug/L	<0.99	50	50	62.8	62.6	126	125	10-157	0	
Ethylbenzene	ug/L	<0.54	50	50	56.7	54.9	113	110	70-130	3	
Methyl-tert-butyl ether	ug/L	<0.61	50	50	53.6	52.7	107	105	59-141	2	
Methylene Chloride	ug/L	<0.43	50	50	52.9	51.3	106	103	70-130	3	
Styrene	ug/L	<0.86	50	50	52.3	50.9	105	102	35-164	3	
Tetrachloroethene	ug/L	<0.45	50	50	55.2	54.6	110	109	70-130	1	
Toluene	ug/L	<0.67	50	50	55.1	52.8	110	106	70-130	4	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	55.6	54.5	111	109	70-130	2	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	43.0	42.4	86	85	55-137	1	
Trichloroethene	ug/L	<0.48	50	50	54.2	53.9	108	108	70-130	0	
Trichlorofluoromethane	ug/L	<0.79	50	50	60.4	60.0	121	120	50-150	1	
Vinyl chloride	ug/L	0.21J	50	50	60.2	58.5	120	117	59-144	3	
Xylene (Total)	ug/L	<2.6	150	150	168	166	112	111	70-130	1	

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 698468 698469

Parameter	Units	4069256010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Bromofluorobenzene (S)	%.						92	91	43-137		
Dibromofluoromethane (S)	%.						92	89	70-130		
Toluene-d8 (S)	%.						91	89	55-137		

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

QC Batch: MSV/17338 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3080262001, 3080262005, 3080262006, 3080262007, 3080262008, 3080262009, 3080262010, 3080262011, 3080262012, 3080262013, 3080262014, 3080262015, 3080262016, 3080262017, 3080262018, 3080262019

METHOD BLANK: 697979 Matrix: Water
Associated Lab Samples: 3080262001, 3080262005, 3080262006, 3080262007, 3080262008, 3080262009, 3080262010, 3080262011, 3080262012, 3080262013, 3080262014, 3080262015, 3080262016, 3080262017, 3080262018, 3080262019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/26/12 14:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/26/12 14:59	
1,1-Dichloroethane	ug/L	ND	1.0	10/26/12 14:59	
1,1-Dichloroethene	ug/L	ND	1.0	10/26/12 14:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/26/12 14:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/26/12 14:59	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/26/12 14:59	
1,2-Dichloroethane	ug/L	ND	1.0	10/26/12 14:59	
1,2-Dichloropropane	ug/L	ND	1.0	10/26/12 14:59	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/26/12 14:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/26/12 14:59	
2-Butanone (MEK)	ug/L	ND	20.0	10/26/12 14:59	
Acetone	ug/L	ND	20.0	10/26/12 14:59	
Benzene	ug/L	ND	1.0	10/26/12 14:59	
Bromodichloromethane	ug/L	ND	1.0	10/26/12 14:59	
Bromoform	ug/L	ND	1.0	10/26/12 14:59	
Bromomethane	ug/L	ND	1.0	10/26/12 14:59	
Carbon disulfide	ug/L	ND	1.0	10/26/12 14:59	
Carbon tetrachloride	ug/L	ND	1.0	10/26/12 14:59	
Chlorobenzene	ug/L	ND	1.0	10/26/12 14:59	
Chloroethane	ug/L	ND	1.0	10/26/12 14:59	
Chloroform	ug/L	ND	5.0	10/26/12 14:59	
Chloromethane	ug/L	ND	1.0	10/26/12 14:59	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/26/12 14:59	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/26/12 14:59	
Dibromochloromethane	ug/L	ND	1.0	10/26/12 14:59	
Dibromomethane	ug/L	ND	1.0	10/26/12 14:59	
Dichlorodifluoromethane	ug/L	ND	1.0	10/26/12 14:59	
Ethylbenzene	ug/L	ND	1.0	10/26/12 14:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/26/12 14:59	
Methylene Chloride	ug/L	ND	1.0	10/26/12 14:59	
Naphthalene	ug/L	ND	5.0	10/26/12 14:59	
Styrene	ug/L	ND	1.0	10/26/12 14:59	
Tetrachloroethene	ug/L	ND	1.0	10/26/12 14:59	
Tetrahydrofuran	ug/L	ND	5.0	10/26/12 14:59	
Toluene	ug/L	ND	1.0	10/26/12 14:59	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/26/12 14:59	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/26/12 14:59	
Trichloroethene	ug/L	ND	1.0	10/26/12 14:59	
Trichlorofluoromethane	ug/L	ND	1.0	10/26/12 14:59	
Vinyl chloride	ug/L	ND	1.0	10/26/12 14:59	

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QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

METHOD BLANK: 697979 Matrix: Water

Associated Lab Samples: 3080262001, 3080262005, 3080262006, 3080262007, 3080262008, 3080262009, 3080262010, 3080262011, 3080262012, 3080262013, 3080262014, 3080262015, 3080262016, 3080262017, 3080262018, 3080262019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Xylene (Total)	ug/L	ND	3.0	10/26/12 14:59	
4-Bromofluorobenzene (S)	%.	81	43-137	10/26/12 14:59	
Dibromofluoromethane (S)	%.	90	70-130	10/26/12 14:59	
Toluene-d8 (S)	%.	86	55-137	10/26/12 14:59	

LABORATORY CONTROL SAMPLE & LCSD: 697980 697981

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	57.5	59.4	115	119	70-136	3	20	
1,1,2-Trichloroethane	ug/L	50	50.1	51.0	100	102	70-130	2	20	
1,1-Dichloroethane	ug/L	50	54.8	58.1	110	116	70-146	6	20	
1,1-Dichloroethene	ug/L	50	53.6	57.4	107	115	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/L	50	42.6	42.2	85	84	46-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	50	54.0	55.6	108	111	70-130	3	20	
1,2-Dichlorobenzene	ug/L	50	51.5	51.8	103	104	70-130	1	20	
1,2-Dichloroethane	ug/L	50	53.7	56.0	107	112	70-144	4	20	
1,2-Dichloropropane	ug/L	50	53.9	53.7	108	107	70-136	0	20	
1,3-Dichlorobenzene	ug/L	50	51.3	50.8	103	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	50	52.6	52.3	105	105	70-130	0	20	
2-Butanone (MEK)	ug/L	50	47.2	56.8	94	114	50-150	19	20	
Acetone	ug/L	50	41.9	52.7	84	105	50-150	23	20	D6
Benzene	ug/L	50	51.2	54.2	102	108	70-137	6	20	
Bromodichloromethane	ug/L	50	53.5	52.6	107	105	70-133	2	20	
Bromoform	ug/L	50	45.3	45.2	91	90	59-130	0	20	
Bromomethane	ug/L	50	41.8	49.4	84	99	41-148	17	20	
Carbon disulfide	ug/L	50	54.9	59.4	110	119	70-130	8	20	
Carbon tetrachloride	ug/L	50	61.6	65.2	123	130	70-154	6	20	
Chlorobenzene	ug/L	50	52.6	52.0	105	104	70-130	1	20	
Chloroethane	ug/L	50	51.3	56.6	103	113	70-139	10	20	
Chloroform	ug/L	50	59.0	59.5	118	119	70-130	1	20	
Chloromethane	ug/L	50	51.7	56.7	103	113	45-154	9	20	
cis-1,2-Dichloroethene	ug/L	50	53.8	56.4	108	113	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	50	39.3	39.8	79	80	70-136	1	20	
Dibromochloromethane	ug/L	50	47.3	48.1	95	96	70-130	2	20	
Dichlorodifluoromethane	ug/L	50	58.1	60.5	116	121	20-157	4	20	
Ethylbenzene	ug/L	50	55.9	55.2	112	110	70-130	1	20	
Methyl-tert-butyl ether	ug/L	50	46.8	51.9	94	104	59-141	10	20	
Methylene Chloride	ug/L	50	51.9	54.0	104	108	70-130	4	20	
Styrene	ug/L	50	49.5	50.8	99	102	70-130	3	20	
Tetrachloroethene	ug/L	50	55.6	55.0	111	110	70-130	1	20	
Toluene	ug/L	50	53.8	54.8	108	110	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	54.0	57.8	108	116	70-130	7	20	
trans-1,3-Dichloropropene	ug/L	50	40.3	41.0	81	82	55-135	2	20	
Trichloroethene	ug/L	50	53.0	54.3	106	109	70-130	2	20	

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

QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

LABORATORY CONTROL SAMPLE & LCSD: 697980 697981

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Trichlorofluoromethane	ug/L	50	59.3	62.6	119	125	50-150	5	20	
Vinyl chloride	ug/L	50	54.9	58.8	110	118	61-143	7	20	
Xylene (Total)	ug/L	150	169	168	113	112	70-130	0	20	
4-Bromofluorobenzene (S)	%.				91	90	43-137			
Dibromofluoromethane (S)	%.				90	92	70-130			
Toluene-d8 (S)	%.				90	89	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 698450 698451

Parameter	Units	3080262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	57.7	62.0	115	124	70-136	7	
1,1,2-Trichloroethane	ug/L	ND	50	50	52.9	51.7	106	103	70-130	2	
1,1-Dichloroethane	ug/L	ND	50	50	57.4	60.4	115	121	70-146	5	
1,1-Dichloroethene	ug/L	ND	50	50	55.2	59.2	110	118	70-130	7	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.1	44.5	88	89	46-150	1	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	57.8	57.4	116	115	70-130	1	
1,2-Dichlorobenzene	ug/L	ND	50	50	53.9	54.5	108	109	70-130	1	
1,2-Dichloroethane	ug/L	ND	50	50	56.0	60.3	112	121	70-146	7	
1,2-Dichloropropane	ug/L	ND	50	50	55.9	56.3	112	113	70-136	1	
1,3-Dichlorobenzene	ug/L	ND	50	50	54.1	54.9	108	110	70-130	2	
1,4-Dichlorobenzene	ug/L	ND	50	50	55.7	54.8	111	110	70-130	2	
2-Butanone (MEK)	ug/L	ND	50	50	50.6	50.2	101	100	50-150	1	
Acetone	ug/L	ND	50	50	48.1	48.7	96	97	50-150	1	
Benzene	ug/L	ND	50	50	52.3	58.3	105	117	70-137	11	
Bromodichloromethane	ug/L	ND	50	50	55.2	56.1	110	112	70-133	2	
Bromoform	ug/L	ND	50	50	47.1	46.1	94	92	57-130	2	
Bromomethane	ug/L	ND	50	50	49.3	52.1	99	104	41-148	6	
Carbon disulfide	ug/L	ND	50	50	58.5	62.1	117	124	50-152	6	
Carbon tetrachloride	ug/L	ND	50	50	64.8	66.7	130	133	70-154	3	
Chlorobenzene	ug/L	ND	50	50	54.8	53.7	110	107	70-130	2	
Chloroethane	ug/L	ND	50	50	55.9	58.4	112	117	70-140	4	
Chloroform	ug/L	ND	50	50	57.8	62.4	116	125	70-130	8	
Chloromethane	ug/L	ND	50	50	56.0	59.3	111	118	45-154	6	
cis-1,2-Dichloroethene	ug/L	ND	50	50	56.6	60.3	113	121	70-130	6	
cis-1,3-Dichloropropene	ug/L	ND	50	50	41.8	41.9	84	84	70-136	0	
Dibromochloromethane	ug/L	ND	50	50	49.0	49.5	98	99	70-130	1	
Dichlorodifluoromethane	ug/L	ND	50	50	58.6	63.5	117	127	10-157	8	
Ethylbenzene	ug/L	ND	50	50	57.2	57.1	114	114	70-130	0	
Methyl-tert-butyl ether	ug/L	ND	50	50	50.6	52.4	101	105	59-141	3	
Methylene Chloride	ug/L	ND	50	50	53.1	56.5	106	113	70-130	6	
Styrene	ug/L	ND	50	50	53.7	53.6	107	107	35-164	0	
Tetrachloroethene	ug/L	ND	50	50	56.2	56.4	112	113	70-130	0	
Toluene	ug/L	ND	50	50	56.6	55.7	113	111	70-130	2	
trans-1,2-Dichloroethene	ug/L	ND	50	50	56.6	58.5	113	117	70-130	3	
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.5	42.2	87	84	55-137	3	
Trichloroethene	ug/L	ND	50	50	55.0	56.1	110	112	70-130	2	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 698450 698451

Parameter	Units	3080262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Trichlorofluoromethane	ug/L	ND	50	50	61.7	64.8	123	130	50-150	5	
Vinyl chloride	ug/L	ND	50	50	57.4	61.3	115	123	59-144	7	
Xylene (Total)	ug/L	ND	150	150	175	175	116	117	70-130	0	
4-Bromofluorobenzene (S)	%.						91	91	43-137		
Dibromofluoromethane (S)	%.						87	91	70-130		
Toluene-d8 (S)	%.						91	89	55-137		

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(724)850-5600

QUALIFIERS

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ripon FF/NN Landfill
Pace Project No.: 3080262

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3080262001	**MW-3A**	EPA 8260	MSV/17338		
3080262002	**MW-3B**	EPA 8260	MSV/17337		
3080262003	**P-113A**	EPA 8260	MSV/17337		
3080262004	**P-113B**	EPA 8260	MSV/17337		
3080262005	**P-103**	EPA 8260	MSV/17338		
3080262006	**P-103D**	EPA 8260	MSV/17338		
3080262007	**MW-103**	EPA 8260	MSV/17338		
3080262008	**MW-112**	EPA 8260	MSV/17338		
3080262009	**P-116**	EPA 8260	MSV/17338		
3080262010	**P-114**	EPA 8260	MSV/17338		
3080262011	**P-114DUP**	EPA8260	MSV/17338		
3080262012	**P-115**	EPA 8260	MSV/17338		
3080262013	**P-111D**	EPA 8260	MSV/17338		
3080262014	**P-111D DUP**	EPA 8260	MSV/17338		
3080262015	**P-107D**	EPA 8260	MSV/17338		
3080262016	**P-107**	EPA 8260	MSV/17338		
3080262017	**MW-107**	EPA 8260	MSV/17338		
3080262018	**MW-104**	EPA 8260	MSV/17338		
3080262019	**TRIP BLANK**	EPA 8260	MSV/17338		

30802262

Page 1 of

4069262

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

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	TetraTech GEO
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262)792-1282
Project Number:	117-2202040.17
Project Name:	Ripon FF/NW Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

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

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

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

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

PACE LAB #	CLIENT FIELD ID 2012	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: VOCs 8260B	FILTERED? (YES/NO)	PRESERVATION (CODE)*	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					# / Pick Letter					
001	MW-3A	10-16	12:10	GW	3				3-40mL B	
002	MW-3B		12:50		3					
003	P-113A		15:00		3					
004	P-113B	↓	16:15		3					
005	P-103	10-17	09:25		3					
006	P-103D		09:55		3					
007	MW-103		10:10		3					
008	MW-112		14:40		3					
009	P-116		11:05		3					
010	P-114		11:40		3					
011	P-114 DUP		11:45		3					
012	P-115		12:20		3					
013	P-111D	↓	13:05	↓	3				↓	

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	10-18-12 0800	Mary Fanning	10/18/12 12:05
Mary Fanning	10/18/12 17:00		
CS Logistics	10/19/12 0955	E Nelson PaceGB	10/19/12 0955

PACE Project No.: 4069262
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06

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Page 1 of

40692602

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	TETRATECH GEO
Branch/Location:	Brookfield, WI
Project Contact:	Mike Doel
Phone:	(262) 792-1282
Project Number:	117-2202040.17
Project Name:	RIDON FF/NW Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Mike Doel
Mail To Company:	TETRATECH GEO
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, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analysis Requested: VOCs 8260B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter				
014	P-111D DUP	10-17	13:10	GW	N	B	3		3-40mlB	
015	P-107D		13:45				3			
016	P-107		14:20				3			
017	MW-107		14:00				3			
018	MW-104		14:50							
019	TRIP BLANK	—	—	DI			2	Lab Prepared	2-40mlB	

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	10-18-12 0800	Mary Fannin	10/18/12 12:05
Mary Fannin	10-18-12 17:00		
CS Logistics	10/19/12 0955	E. Rodney PaceGB	10/19/12 0955

PACE Project No.
40692602

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 08/14/06

ORIGINAL

ATTACHMENT C

GROUNDWATER SAMPLING FIELD FORMS

TETRA TECH

Water Levels

FF/NN Landfill, Ripon, WI

Date: 10-16-12 **Personnel:** Ashley A. Weimer

Well Name	TOC Elevation	Depth to Water	Comments
MW-101	884.80	62.94	
P-101	885.26	63.44	
MW-102	843.05	20.75	
P-102	842.99	20.58	
MW-103	872.42	52.21	
P-103	872.92	51.02	
P-103D	873.08	51.99	
MW-104	875.15	53.36	
P-104	875.48	53.52	
MW-106	878.90	56.63	
P-106	878.91	56.73	
MW-107	871.78	52.80	
P-107	871.38	52.38	
P-107D	871.98	54.20	
MW-108	845.25	27.62	
P-108	845.61	24.79	
MW-111	856.46	38.85	
P-111	856.13	38.97	
P-111D	855.79	36.78	
MW-112	874.55	55.28	
P-113A	833.09	15.86	
P-113B	833.10	15.14	
P-114 (Ehster)	839.35	21.32	
P-115 (Wiese)	842.71	24.60	
P-116 (Hadel)	845.34	28.22	
MW-3A	850.77	33.17	
MW-3B	851.04	31.76	
LC-1	873.15	NM	Measurements
LC-2	866.05	NM	Done,
LC-3	877.34	NM	Annually

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	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)	10-16-12			10-16-12			10-16-12		
STATIC WATER LEVEL (feet)*	33.17			31.76			15.86		
WELL DEPTH (feet)*	280.1			185.72			325.31		
PUMP INLET DEPTH (feet)*	67.5			54.5			73.5		
START PURGE TIME (Military)	11:40			12:20			13:40		
END PURGE TIME (Military)	12:05			12:45			14:55		
PURGE VOLUME (gallons)	1.0			2.0			4.0		
SAMPLE TIME (Military)	12:10			12:50			15:00		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	10:00	11:00	12:00	0:00	1:00	2:00	58:00	60:00	62:00
TEMPERATURE (° C)	10.63	10.73	10.67	9.98	9.98	9.98	13.10	13.45	13.09
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.564	0.563	0.564	0.680	0.677	0.675	0.561	0.558	0.559
DISSOLVED OXYGEN (ppm)	1.49	1.38	1.33	0.48	0.45	0.42	3.29	3.37	3.31
pH	7.00	7.01	7.01	7.38	7.37	7.36	7.37	7.36	7.36
DISSOLVED OXYGEN (% Sat.)	13.4	12.4	12.0	4.3	4.0	3.8	31.3	32.4	31.5
ORP (mV)	-170	-176	-175	-163	-160	-157	-78	-76	-73
COLOR	Clear			Clear			Clear		
ODOR	weak Rotten eggs			none			none		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Vacu-Vials Iron 2- Wait 1, then wait 5 min mg/L	0.049			0.720			0.196		
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	10-18-12			10-18-12			10-18-12		
SAMPLER=S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	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)	10-16-12			10-17-12			10-17-12		
STATIC WATER LEVEL (feet)*	15.14			51.02			51.99		
WELL DEPTH (feet)*	198.9			83.02			192.66		
PUMP INLET DEPTH (feet)*	48.5			69.5			87.5		
START PURGE TIME (Military)	15:05			09:05			09:35		
END PURGE TIME (Military)	16:10			09:20			09:50		
PURGE VOLUME (gallons)	8.0			2.0			2.0		
SAMPLE TIME (Military)	16:15			09:25			09:55		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	62:00	63:00	64:00	4:00	5:00	6:00	6:00	7:00	8:00
TEMPERATURE (° C)	10.74	10.84	10.98	10.47	10.46	10.46	10.42	10.42	10.44
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.654	0.655	0.655	0.808	0.807	0.808	0.836	0.836	0.835
DISSOLVED OXYGEN (ppm)	0.61	0.43	0.43	1.17	1.08	1.00	1.91	1.82	1.74
pH	7.51	7.51	7.51	6.80	6.82	6.83	7.12	7.13	7.13
DISSOLVED OXYGEN (% Sat.)	5.5	3.9	3.9	10.6	9.7	9.1	17.1	16.4	15.6
ORP (mV)	-119	-118	-117	-99	-101	-102	-114	-114	-115
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 mg/L	0.998			2.544			2.587		
	pumped + stored for 1 hr; did not stabilize. Stopped pumping + let flow cell sit with no new H2O coming in.								
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	10-18-12			10-18-12			10-18-12		
SAMPLER-S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Welmer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-107D			P-111D/DUP					
WATER TYPE	Groundwater			Groundwater					
DATE (month/day/year)	10- 17 -12			10- 17 -12					
STATIC WATER LEVEL (feet)*	54.20			36.78					
WELL DEPTH (feet)*	327.95			151.0					
PUMP INLET DEPTH (feet)*	76.5			151.0					
START PURGE TIME (Military)	13:25			12:45					
END PURGE TIME (Military)	13:40			13:00					
PURGE VOLUME (gallons)	1.5			2.5					
SAMPLE TIME (Military)	13:45			13:05/13:10					
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd			
TIME (minutes since initial reading)	4 :00	5 :00	6 :00	0 :00	1 :00	2 :00			
TEMPERATURE (° C)	10.83	10.83	10.89	10.47	10.47	10.45			
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.590	0.590	0.589	0.837	0.837	0.838			
DISSOLVED OXYGEN (ppm)	2.28	2.11	2.13	0.59	0.55	0.51			
pH	7.53	7.53	7.53	7.57	7.56	7.56			
DISSOLVED OXYGEN (% Sat.)	20.6	19.1	19.4	5.3	4.9	4.7			
ORP (mV)	-167	-168	-168	-131	-131	-131			
COLOR	clear			clear					
ODOR	none			none					
CLARITY	clear			clear					
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260B)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No					
Vacu-Vials Iron 2- Wait 1, then wait 5 min mg/L	0.104			1.324					
				*took dup					
				at 13:10*					
NAME OF LABORATORY	Pace Analytical			Pace Analytical					
DATE SENT TO LAB	10- 18 -12			10- 18 -12					
SAMPLER=S NAME	Ashley A. Welmer			Ashley A. Welmer					

*Measured from top of well casing.

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Weimer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-114 / Dup			P-115			P-116		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	10-17-12			10-17-12			10-17-12		
STATIC WATER LEVEL (feet)*	21.32			24.60			28.22		
WELL DEPTH (feet)*	181.72			179.57			163.19		
PUMP INLET DEPTH (feet)*	53.5			53.5			163		
START PURGE TIME (Military)	11:20			12:00			10:40		
END PURGE TIME (Military)	11:35			12:15			11:00		
PURGE VOLUME (gallons)	1.5			2.0			1.0		
SAMPLE TIME (Military)	11:40 / 11:45			12:20			11:05		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	1 :00	2 :00	3 :00	2 :00	3 :00	4 :00	0 :00	2 :00	4 :00
TEMPERATURE (° C)	10.46	10.28	10.45	10.80	10.77	10.76	11.42	11.54	11.50
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.732	0.733	0.733	0.603	0.603	0.602	0.535	0.535	0.535
DISSOLVED OXYGEN (ppm)	0.72	0.57	0.76	1.32	1.35	1.22	0.63	0.56	-52
pH	7.56	7.56	7.55	7.64	7.63	7.62	7.51	7.52	7.52
DISSOLVED OXYGEN (% Sat.)	6.5	5.1	6.8	13.5	12.2	11.0	5.8	5.2	5.8
ORP (mV)	-136	-133	-131	-140	-138	-137	-90	-89	-87
COLOR	clear			clear			pinkish		
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 mg/L	0.757			0.797			0.351		
	*took dup								
	at 11:45*								
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	10-18-12			10-18-12			10-18-12		
SAMPLER=S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Welmer	DO	MP-20 Flow Cell

MONITOR WELL ID	P-107								
WATER TYPE	Groundwater								
DATE (month/day/year)	10- 17 -12								
STATIC WATER LEVEL (feet)*	52.38								
WELL DEPTH (feet)*	85.75								
PUMP INLET DEPTH (feet)*	74.5								
START PURGE TIME (Military)	13:55								
END PURGE TIME (Military)	14:15								
PURGE VOLUME (gallons)	2.0								
SAMPLE TIME (Military)	14:20								
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	11 :00	12 :00	13 :00	:00	:00	:00	:00	:00	:00
TEMPERATURE (° C)	11.31	11.30	11.30						
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.885	0.885	0.886						
DISSOLVED OXYGEN (ppm)	1.46	1.60	1.55						
pH	7.28	7.28	7.28						
DISSOLVED OXYGEN (% Sat.)	13.6	14.6	14.2						
ORP (mV)	-86	-87	-88						
COLOR	clear								
ODOR	none								
CLARITY	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								
Vacu-Vials Iron 2- Wait 1, then wait 5 min	NOT TESTED								
NAME OF LABORATORY	Pace Analytical								
DATE SENT TO LAB	10- 18 -12								
SAMPLER=S NAME	Ashley A. Welmer								

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202040.17	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	Not Measured
PERSONNEL	Ashley A. Weimer	DO	Not Measured

SAMPLE POINT	MW-103	MW-112	MW-104	MW-107	
WATER TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	10-17-12	10-17-12	10-17-12	10-17-12	
CLOCK TIME (Military)	10:10	14:40	14:50	14:00	
DEPTH TO WATER (ft)*	52.21	55.28	53.36	52.80	
MEASURED WELL DEPTH (ft)*	53.69	60.47	55.90	55.32	
CASING VOLUME (gallons)	0.24	0.85	0.41	0.41	
PURGE VOLUME (gallons)	1.0	4.0	2.0	2.0	
DEPTH SAMPLE TAKEN (ft)*	53.5	55	53	52.5	
SAMPLING DEVICE	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	Dedicated Bailer	
FIELD TEMPERATURE (°C)	12.74	12.65	12.7	13.0	
pH	6.96	7.15	6.71	7.10	
ELEC. COND. (uS/cm) Measured	NM	NM	NM	NM	
ELEC. COND. (uS/cm) at 25° C	1.69	0.992	1.517	1.076	
ORP (mV)	59	-113	NM	NM	
DISSOLVED OXYGEN (ppm)	6.02	1.08	NM	NM	
DISSOLVED OXYGEN (% Sat.)	57.3	10.2	NM	NM	
COLOR	clear	clear	clear	clear	
ODOR	none	none	none	none	
CLARITY	clear	clear	clear	clear	
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (EPA Method 8260B)	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	3 – 40 ml; G; HCl-L; No	
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.001	OVER Range	NOT TESTED	NOT TESTED	
			used Hanna meter for parameters		
NAME OF LABORATORY	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	
DATE SENT TO LAB	10-18-12	10-18-12	10-18-12	10-18-12	
SAMPLER-S NAME	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	Ashley A. Weimer	

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO EQUIPMENT CALIBRATION FORM

Equipment Make		**QED MicroPurge Water Quality Meter**		
Equipment Model		**MP20**		
Tetra Tech GEO ID Number		**Hydrite Meter**		
DATE	**TIME**	**CALIBRATION MEDIA**	**RESULTS**	**COMMENTS**
10/16/12	07:31	**1,413 µs/cm conductivity solution**	**Calibration successful.**	**Specific conductance sensor calibration.**
10/16/12	07:37	**pH 7.0 and pH 10 solution**	**Calibration successful.**	**pH sensor calibration.**
10/16/12	07:50	**Distilled water up to o-ring on DO sensor for 100% DO saturation calibration.**	**Calibration successful.**	**Dissolved oxygen (DO) sensor calibration.**
10/16/12	07:39	**240 mV ORP solution**	**Calibration successful.**	**ORP sensor calibration**

TETRA TECH

TETRA TECH GEO EQUIPMENT CALIBRATION FORM

Equipment Make	**HANNA Instruments**
Equipment Model	**HI 991300 pH/EC/TDC/Temperature Meter**
Tetra Tech GEO ID Number	**1**

DATE	TIME	CALIBRATION MEDIA	RESULTS	COMMENTS
10/16/12	07:27	pH 4.0 and pH 7.0 buffer solutions	Calibration successful	
10/16/12	07:29	1,413 µs conductivity calibration solution	Calibration successful	

TETRA TECH

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

Pace Analytical
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	TetraTech GEO
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.17
Project Name:	Ripon FF/NW Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech GEO
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	
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 2012	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	VOCs 8260B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	MW-3A	10-16	12:10	GW		B	3			
	MW-3B		12:50				3			
	P-113A		15:00				3			
	P-113B	↓	16:15				3			
	P-103	10-17	09:35				3			
	P-103D		09:55				3			
	MW-103		10:10				3			
	MW-112		14:40				3			
	P-116		11:05				3			
	P-114		11:40				3			
	P-114 DUP		11:45				3			
	P-115		12:20				3			
	P-111D	↓	13:05	↓			3			

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	10-18-12 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 Intact / Not Intact

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	TetraTech GEO
Branch/Location:	Brookfield, WI
Project Contact:	Mike Noel
Phone:	(262) 792-1282
Project Number:	117-2202040.17
Project Name:	Ripon FF/NW Landfill
Project State:	WI
Sampled By (Print):	Ashley A. Weimer
Sampled By (Sign):	Ashley A. Weimer
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Mike Noel
Mail To Company:	TetraTech GEO
Mail To Address:	175 N. Corporate Dr. Suite 100 Brookfield, WI 53045
Invoice To Contact:	
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 2012	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	VOCs 8260B							CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	P-111D DUP	10-17	13:10	GW		D	3									
	P-107D		13:45				3									
	P-107		14:20				3									
	MW-107		14:00				3									
	MW-104		14:50													
	TRIP BLANK	—	—	DI			2							Lab Prepared		

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	10-18-12 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
Intact / Not Intact

ATTACHMENT D

LANDFILL GAS EXTRACTION SYSTEM MONITORING

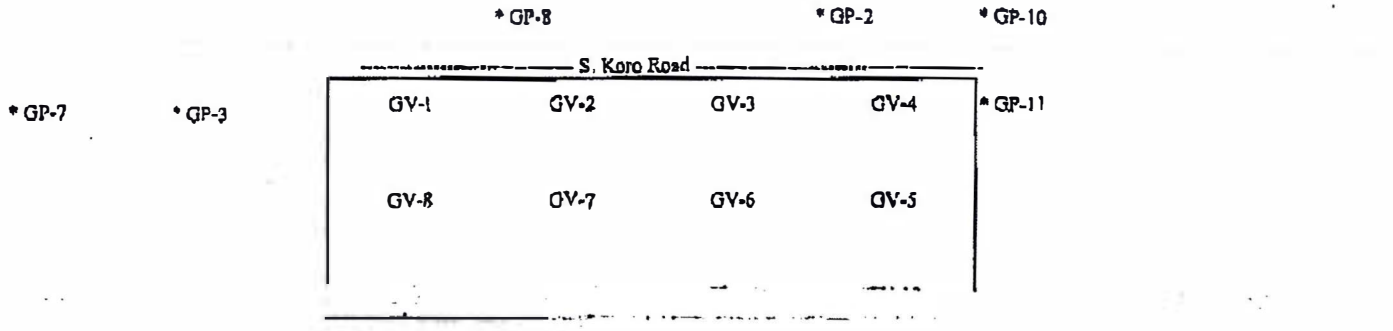
TETRA TECH GEO

GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler
Water level in buried knockout tank 0 "

Barometric Pressure: 29.15 Hg
Temperature (ambient): 70° F
Measuring Device: Eagle
In Trailer Vacuum Gage 1 "Hg

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
8.6.12	0840	Background	0	0.0	19.8	
	0905	LC-1	8.0	21.4	1.7	
	0921	LC-2	43.0	30.2	1.5	
	0910	LC-3	19.0	21.4	4.2	
	0900	GV-6	87*	13.6	7.3	
	0845	GP-1	66*	10.4	7.3	
	0950	GP-1	65*	16.4	0.8	2nd Reading
	0849	Exhaust	77*	5.6	15.0	
						ATV tracks noted
						on landfill cap. Informed
						Supervisors JW



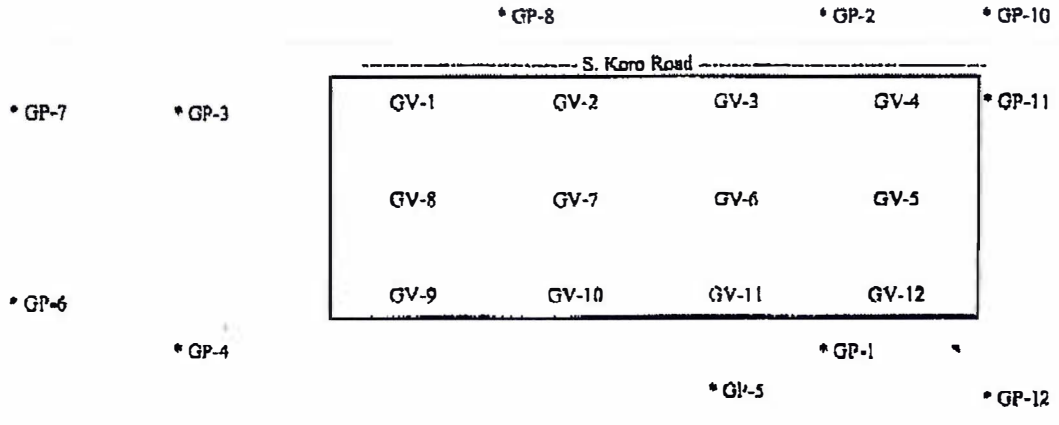
TETRA TECH GEO

GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wandler
Water level in buried knockout tank 0 "

Barometric Pressure: 29.0 Hg
Temperature (ambient): 62° F
Measuring Device: Eagle
In Trailer Vacuum Gage 0/1 "Hg

Date	Time	Measurement Point	% CH_4 * LEL	% CO_2	% O_2	Comments
8.24.12	0900	Background	0 *	0.0	19.7	
	0931	LC-1	9.5	21.4	1.3	
	0950	LC-2	40.0	30.0	1.6	
	0940	LC-3	19.0	20.6	4.8	
	0917	GV-6	81 *	13.8	6.5	
	0905	GP-1	11 *	6.2	11.5	
	1010	GP-1	26 *	16.6	0.6	
	0910	Exhaust	93 *	6.6	14.2	



TETRA TECH GEO

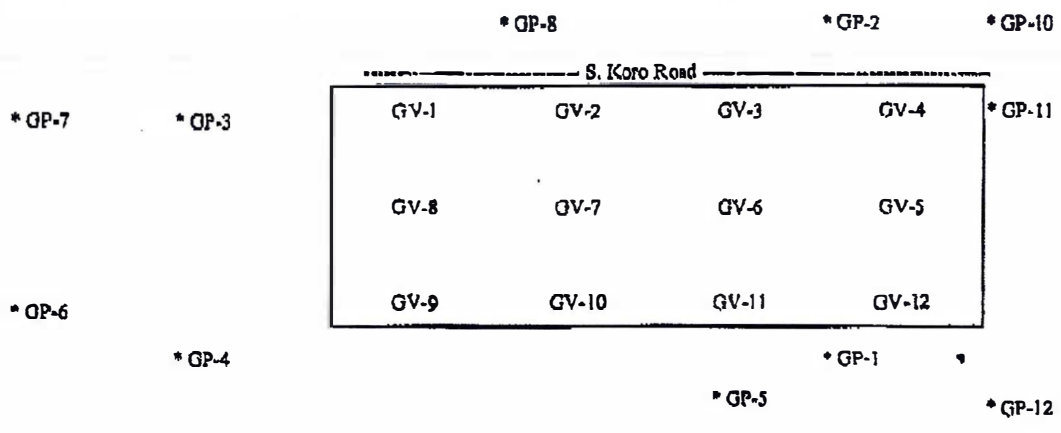
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler
Water level in buried knockout tank 0 "

Barometric Pressure: 28.9 Hg
Temperature (ambient): 76 F
Measuring Device: Eagle
In Trailer Vacuum Gage 4 "Hg

* LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
9.4.12	0900	Background	0 *	0.0	19.2	
	0915	LC-1	2.0	19.8	2.0	
	0930	LC-2	36.0	29.4	1.9	
	0921	LC-3	14.5 *	19.8	4.5	
	2910	GV-6	63 *	11.2	8.6	
	0904	GP-1	66 *	9.2	8.4	
	1009	GP-1	89 *	16.8	1.1	2nd Reading
	0907	Exhaust	90 *	6.8	13.5	



TETRA TECH GEO

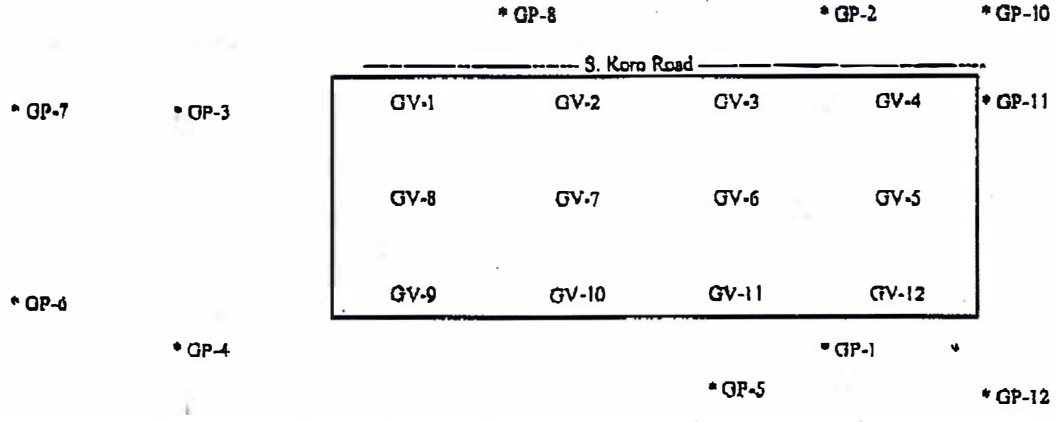
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Ripon, Wisconsin
Personnel: Jack Wendler
Water level in buried knockout tank 0 "

Barometric Pressure: 28.9 Hg
Temperature (ambient): 40 F
Measuring Device: Eagle
In Trailer Vacuum Gage 3 "Hg

* LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Comments
10.1.12	0840	Background	0 *	0.0	19.2	
	0910	LC-1	6.0	18.2	4.2	
	1000	LC-2	29.5	27.6	2.6	
	0817	LC-3	10.5	16.4	6.6	
	0905	GV-6	45 *	9.4	10.2	
	0845	GP-1	0 *	3.8	13.9	
	0954	GP-1	0 *	0.4	17.9	2nd Reading
	0850	Exhaust	87 *	7.6	13.0	



GeoTrans, Inc.

GAS PROBE DATA

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

Barometric Pressure: 28.7 Hg
Temperature (ambient): 42° F
Measuring Device: Eagle

Tank Water Level 0 * LEL Gauge 3 1/4 8

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
10.15.12	0815	Background	0 *	0.0	18.9	
	0830	LC-1	89 *	11.4	9.2	
	0848	LC-2	16.0	15.8	9.7	
	0840	LC-3	9.0	12.0	9.9	
	1015	MW-101	0*	0.4	18.9	
	0905	MW-102	0 *	2.8	16.7	
	1050	MW-103	0 *	0.2 ~~0.4~~	18.9	
	0835	MW-104	0*	0.0	18.1	
		~~GV-1~~				
		~~GV-4~~				
	0838	GV-6	40 *	10.4	9.0	
		~~GV-7~~				
		~~GV-9~~				
	0821	~~GV-12~~ GP-1	0 *	3.8	14.0	1st Reading
	0930	GP-1	0*	0.2	18.6	2nd Reading
	1130	GP-2	0 *	1.8	17.7	
	1059	GP-3	0 *	0.0	19.0	
	1108	GP-4	0 *	0.6	18.7	
	0900	GP-5	0 *	4.8	15.2	
	1038	GP-6	0*	1.8	18.1	
	1030	GP-7	0 *	1.6	18.0	
	1114	GP-8	0 *	1.0	18.3	
	1021	GP-10	0*	3.2	15.0	
	1005	GP-11	0*	1.6	18.2	
	0908	GP-12	0 *	3.2	16.1	
	0851	Leg 1	81 *	9.6	10.9	
	0853	Leg 2	64 *	6.2	13.6	CH4 CO2 O2
	0855	Leg3	~~84~~ 85 *	~~9.0~~ 8.4	~~10.9~~ 12.4	6.5 8.4 12.4
	0825	Exhaust	95 *	8.4	12.2