

May 15, 2009

Ms. Jennifer Easterly, Remedial Project Manager  
 Wisconsin Department of Natural Resources  
 Remediation & Redevelopment Program  
 Oshkosh Service Center  
 625 E. County Road Y, Suite 700  
 Oshkosh, WI 54901-9731



**RE: April 2009 Progress Report**  
**Ripon HWY FF/NN Landfill, License #467, Ripon, WI.**  
**WDNR BRRTS #02-20-000915**

Dear Jennie,

Attached is the April 2009 groundwater and gas monitoring report for the FF/NN Landfill. Groundwater and gas sampling results continue to show reductions in vinyl chloride (VC) concentration levels in both the groundwater and the landfill gas. The April 2009 groundwater results indicate the following:

- Layer 1: None of the nine wells sampled contained VOCs above the NR140 ES. Only 1 well exceeded the NR140 PAL for TCE and DCE and six wells had no detectable VOCs.
- Layer 2: None of the eight wells sampled had detectable VOCs.
- Layer 3: Three of the wells sampled contained VC above the NR140 ES and four wells had no detectable VOCs.
- Layer 4: One of the wells sampled contained VC above the NR140 ES and two of the wells had no detectable VOCs.

The reduction in VC concentrations since start up of the active gas control system in March 2006 is remarkable. In the three years the system has been operating 9 of the 10 wells that originally had a detection of VC have shown a decrease in concentration and six of those are now non-detectable:

Groundwater Vinyl Chloride Concentrations (ug/L)							
Well ID	April-06	April-09	Change	Well ID	April-06	April-09	Change
MW-103	1.8	ND	Decrease	MW-112	2.8	ND	Decrease
MW-104	1.1	ND	Decrease	P-107D	7.7	2.5	Decrease
P-103	2.9	ND	Decrease	P-111D	11	5.5	Decrease
P-103D	2.6	ND	Decrease	P-114	7.6	6.5	Decrease
P-107	0.79	ND	Decrease	P-115	0.62	1.3	Increase

VC is also no longer detectable in the landfill gas samples collected in 2009 from the vents and probes as compared to 2006:

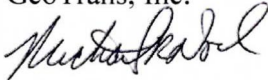
<b>Landfill Gas Vinyl Chloride Concentrations (ppbv)</b>			
<b>Vent/Probe</b>	<b>2006</b>	<b>2009</b>	<b>Change</b>
GP-3	72.9	ND	Decrease
GV-6	3590	ND	Decrease
LC-1	ND	ND	N/A
LC-2	166	ND	Decrease
LC-3	1600	ND	Decrease

Gas probe methane monitoring indicates landfill gas is being controlled and is not migrating from the limits of fill. Gas vent/well monitoring indicates that the concentrations of methane in the extracted gas are also very low ranging from 1.6 to 29% in the individual vents and only 6.5% in the total exhaust.

These results continue to demonstrate the effectiveness of the current active gas extraction system at reducing VC in the groundwater and at controlling landfill gas in general.

If you have any questions or would like to discuss these results please give me a call.

Sincerely,  
GeoTrans, Inc.



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

cc: Nelson Olavarria, Cooper Industries  
Steve Barg, City of Ripon  
Bernard Schorle, U.S. EPA

Encl.

**STATUS REPORT FOR APRIL 2009**  
**FF/NN LANDFILL**  
**RIPON, WISCONSIN**

May 15, 2009

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

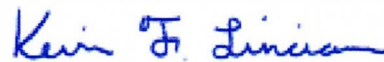
GeoTrans, Inc.  
175 N. Corporate Drive, Suite 100  
Brookfield, Wisconsin 53045

Project No. 1011.005



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



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Kevin F. Lincicum, P.G.  
Project Hydrogeologist

**STATUS REPORT FOR APRIL 2009**

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Table 4	Leachate VOC Analytical Results for Leachate Wells
Table 5	Landfill Gas Field Parameter Monitoring Results

## ATTACHMENTS

Attachment A	Stratigraphic Layers of Wells
Attachment B	Groundwater Monitoring Schedule
Attachment C	Laboratory Analytical Results
Attachment D	Groundwater Sampling Field Forms
Attachment E	Landfill Gas Extraction System Monitoring Field Forms
Attachment F	Landfill Cap Inspection Form

**CONTRACT SF-92-01  
STATUS REPORT  
FOR APRIL 2009**

SITE NAME/ACTIVITY:

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

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

PREPARED BY:

Mr. Michael R. Noel and Mr. Kevin F. Lincicum  
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PREPARED FOR:

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

DATE:

May 15, 2009

### **FIELD ACTIVITIES THIS REPORTING PERIOD**

- Groundwater elevations were measured at 27 monitoring wells on April 6-9, 2009. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.
- A total of 27 monitoring wells, two leachate head wells and three private drinking wells were sampled for VOCs during the April 2009 event. Two duplicate samples were collected for quality control. The sampling program followed the plan approved by the WDNR in a letter dated July 26, 2007.
- Landfill gas monitoring in the gas probes and monitoring wells was conducted on April 9, 2009 by Ashley Weimer from GeoTrans. Jack Wendler from the City of Ripon has conducted periodic gas monitoring of the extraction system vents and wells. Gas samples for VOC analysis were taken by Jack Wendler.
- A landfill cap inspection was conducted on April 9, 2009.

## 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.

On April 6-9, 2009, groundwater elevations were measured in all monitoring wells. 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. Compared to the previous event in January 2009, water table elevations increased from 0.6 feet in MW-107 to 1.2 feet in MW-101.

Historically, the groundwater flow direction in this layer has been to the southwest. During the April 2009 event, the groundwater flow was to the southwest.

#### *Layer 2 Wells*

Layer 2 contains eight wells with screen elevations ranging from 774 feet to 792 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figure 2. Compared to the previous event in January 2009, water level elevations increased from 0.6 feet in P-111 to 1.1 feet in P-101.

Historically, the groundwater flow direction in this layer has been to the southwest. During the April 2009 event, flow was to the south-southwest.

#### *Layer 3 Wells*

Layer 3 contains seven wells with screen elevations ranging from 634 feet to 704 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figure 3. Compared to the previous event in January 2009, water elevations increased from 0.8 feet in P-116 to 1.2 feet in MW-3B.

Historically, the groundwater flow direction in this layer has been southwesterly and becomes westerly further downgradient. The April 2009 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. Compared to the previous event in January 2009, water elevations increased in all wells from 1.3 feet in MW-3A to 1.5 feet in P-113A.

Historically, the groundwater flow direction in this layer has been to the southeast. Since pumping at the City of Ripon Municipal Well #9 was terminated in April 2007, the flow direction has been to the west. During the April 2009 event, flow was to the west.

### **Groundwater Monitoring Event - Monitoring Well Sampling**

The revised groundwater monitoring program as modified by WDNR correspondence dated July 26, 2007 was followed for the April 2009 groundwater sampling event. A table showing the monitoring schedule for each well is provided in Attachment B. The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B. Analytical results and field forms are provided in Attachments C and D, 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 27-53.

Following is a summary of the April 2009 VOC analytical results as they relate to groundwater standards for each well that was sampled. To better track impacts at various depths, the results are organized according to the four stratigraphic groupings of wells discussed previously.

#### *Layer 1 Wells*

MW-101	No detection of any VOC.
MW-102	No detection of any VOC.
MW-103	No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) was not detected during this sampling round and has not been detected since May 2007. Cis-1,2-dichloroethene (DCE) slightly exceeded its Preventative Action Limit (PAL) at 7.7 ppb and trichloroethene (TCE) exceeded its PAL at 3.1 ppb. These results are consistent with recent sampling events.
MW-104	No compounds exceeded the NR 140 PAL. Chlorobenzene and 1,4-dichlorobenzene were detected below NR 140 standards. These results are similar to the previous sampling event in October 2008. VC has not been detected in this well since April 2006 and benzene has not been detected since October 2007.
MW-106	No detection of any VOC.
MW-107	No detection of any VOC. The last detection of TCE was October 2007.

MW-108 No detection of any VOC.

MW-111 No detection of any VOC.

MW-112 No compounds exceeded the NR 140 standards. DCE was detected at 5.1 ppb. VC has not been detected in this well since May 2008.

*Layer 2 Wells*

P-101 No detection of any VOC.

P-102 No detection of any VOC.

P-103 No detection of any VOC. VC has not been detected in this well since May 2008.

P-104 No detection of any VOC.

P-106 No detection of any VOC.

P-107 No detection of any VOC. VC has not been detected in this well since October 2007

P-108 No detection of any VOC.

P-111 No detection of any VOC.

*Layer 3 Wells*

MW-3B No detection of any VOC.

P-103D No detection of any VOC in the sample and duplicate. VC was last detected in October 2008.

P-111D VC exceeded its ES at 5.5 ppb. DCE and chloroethane were detected at concentrations below NR 140 standards.

P-113B No detection of any VOC.

P-114 VC exceeded its ES at 6.5 ppb. This concentration of VC is similar to concentrations detected over the last two years. DCE was detected at a concentration below NR 140 standards.

P-115 VC exceeded its ES at 1.3 ppb. This concentration is consistent with the last two sampling rounds and is slightly higher than previous results.



P-116 No detection of any VOC.

*Layer 4 Wells*

MW-3A No detection of any VOC.

P-107D VC exceeded its ES at 2.5 ppb. This concentration is slightly higher than the last sampling round but is generally less than past events.

P-113A No detection of any VOC.

**Groundwater Monitoring Event - Private Drinking Water Well Sampling**

Historically, seven private wells have been sampled. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Perry/Watkins, Gaastra and Rohde) were sampled during the April 2009 event and analyzed for VOCs using Method 524.2 (Safe Drinking Water Act). Analytical results and field forms are provided in Attachments C and D, respectively. The VOC analytical results for the private drinking water wells are tabulated in Table 3. No VOC's were detected in the private wells during this sampling event.

**Interim Landfill Gas Extraction System Performance Monitoring**

Results of the gas monitoring are in presented in Tables 3 and 4 and Charts 1-26.

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%. One modification to the daily run time cycle was made due to increasing oxygen levels above 5% in one or more extraction wells:

- May 5, 2009: the system's daily cycle was decreased to 6 hours on and 18 hours off due to oxygen levels higher than 5% in LC-1 and GV-6.

Gas samples for VOC analysis were collected April 16, 2009. The results are summarized on Table 6 and the lab report is included in Attachment C. The results from the past two quarters indicate a significant reduction in total VOCs. Vinyl chloride was not detected in the last three quarters of sampling..

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

**Cap Inspection**



The landfill was inspected on April 9, 2009. The cap was determined to be in good condition. The cap inspection form is provided in Attachment F.

### **Institutional Control Investigation/Study**

In a letter dated October 29, 2007 to the Ripon FF/NN Landfill PRP Group, Bernard Schorle of the U.S. EPA requested that an institutional control investigation/study be submitted within 45 days. A letter of intent to comply with this request dated November 1, 2007 was submitted to the U.S. EPA requesting additional time and accepted/approved examples of similar IC investigation/study submittals. A conference call was also requested to discuss these requirements. In an email dated November 19, 2007 Mr. Schorle indicated he would try to set up a phone call to discuss the IC request and that he had requested an example response that he could send to the Ripon FF/NN Landfill PRP Group, but one has not been offered yet.

### **UPCOMING ACTIVITIES PLANNED**

Groundwater sampling of the private wells will be conducted in accordance with the approved plan in July 2009.

Water levels of all wells will be taken in July, 2009.

Landfill gas monitoring will be conducted by City of Ripon personnel.

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

A conference call with U.S. EPA and WDNR is expected to take place to discuss the requirements and expectations of the institutional control investigation/study.

### **PERSONNEL**

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Mr. Kevin Lincicum is the Project Hydrogeologist who directed the field activities. The laboratory analyses for the April 2009 groundwater samples were completed by PACE laboratories in Green Bay, Wisconsin. Northern Lake Services performed analyses of drinking water well samples as a subcontractor to PACE.

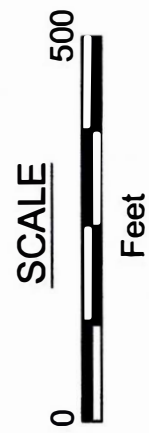
**FIGURES**

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**EXPLANATION**

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

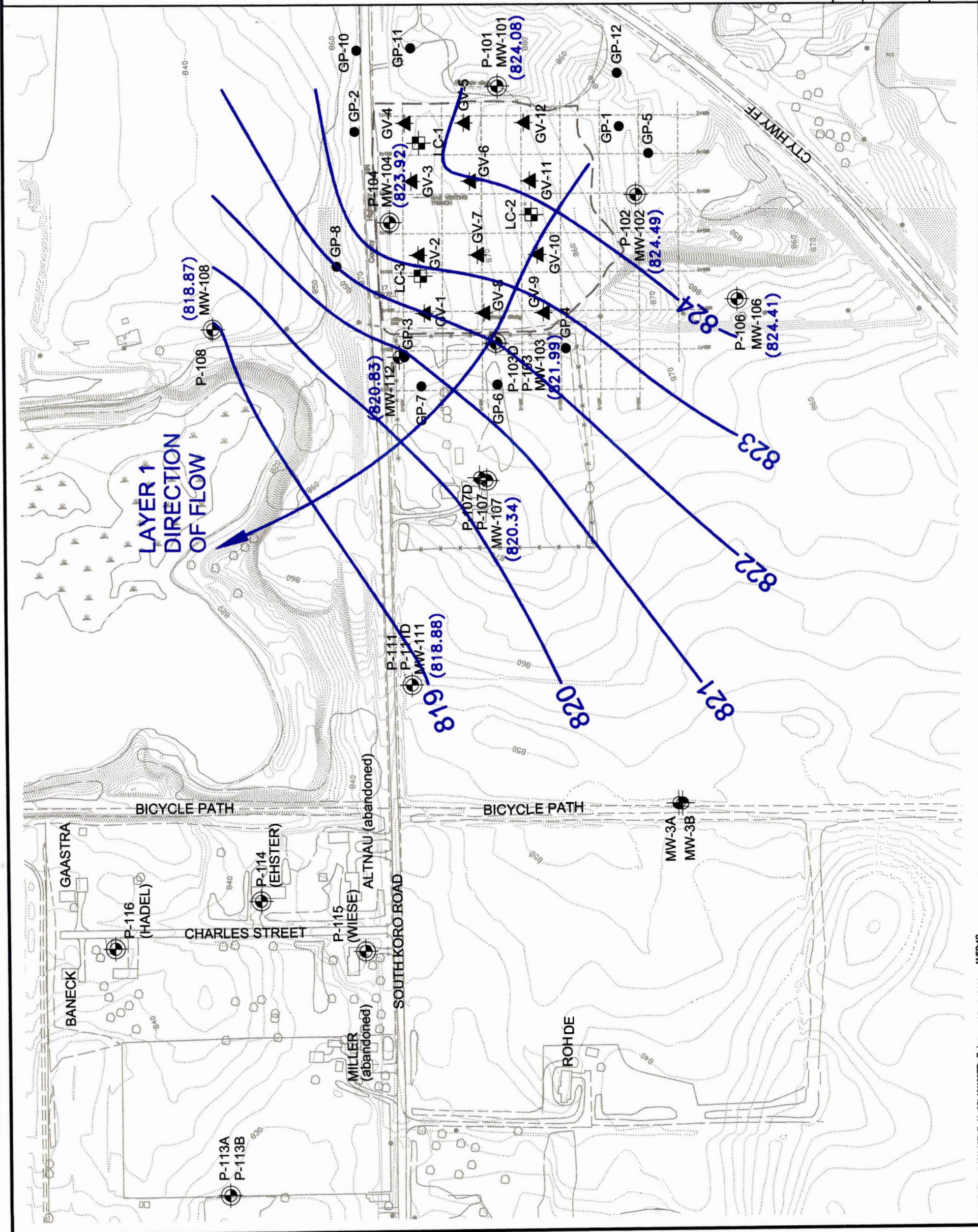


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 5/11/09
GROUNDWATER ELEVATIONS LAYER 1 WELLS APRIL 2009	DESIGNED: KFL
	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-1011005



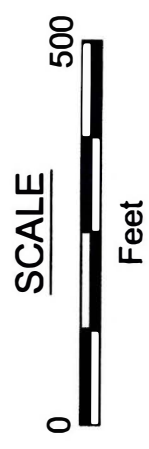
Figure 1





### EXPLANATION

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

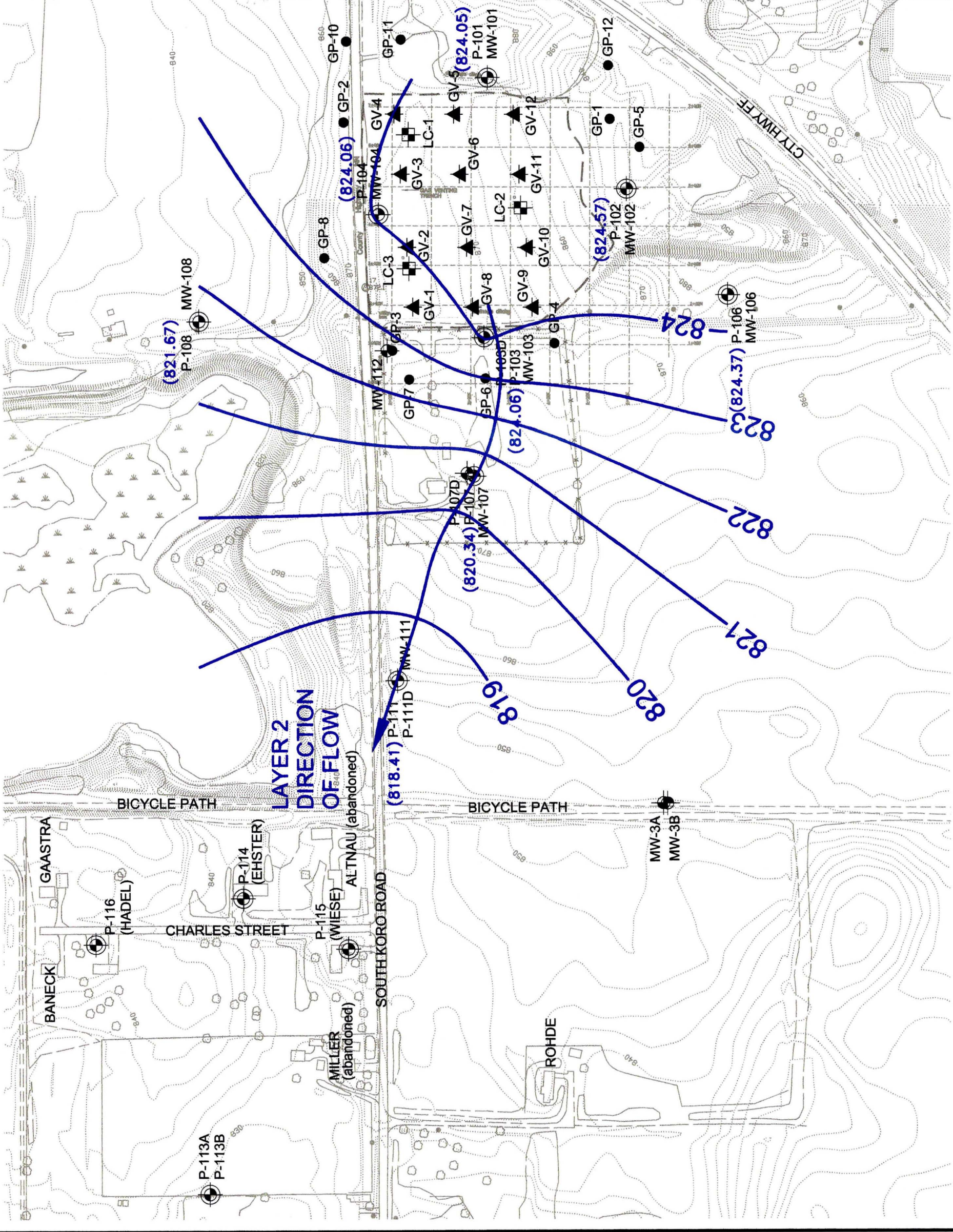


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 5/11/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 2 WELLS	CHECKED: KFL
	APPROVED: MRN
APRIL 2009	DRAWN: HJW
	PROJ.: 117-1011005



Figure 2





**LAYER 3  
DIRECTION  
OF FLOW**

820

821







821.71

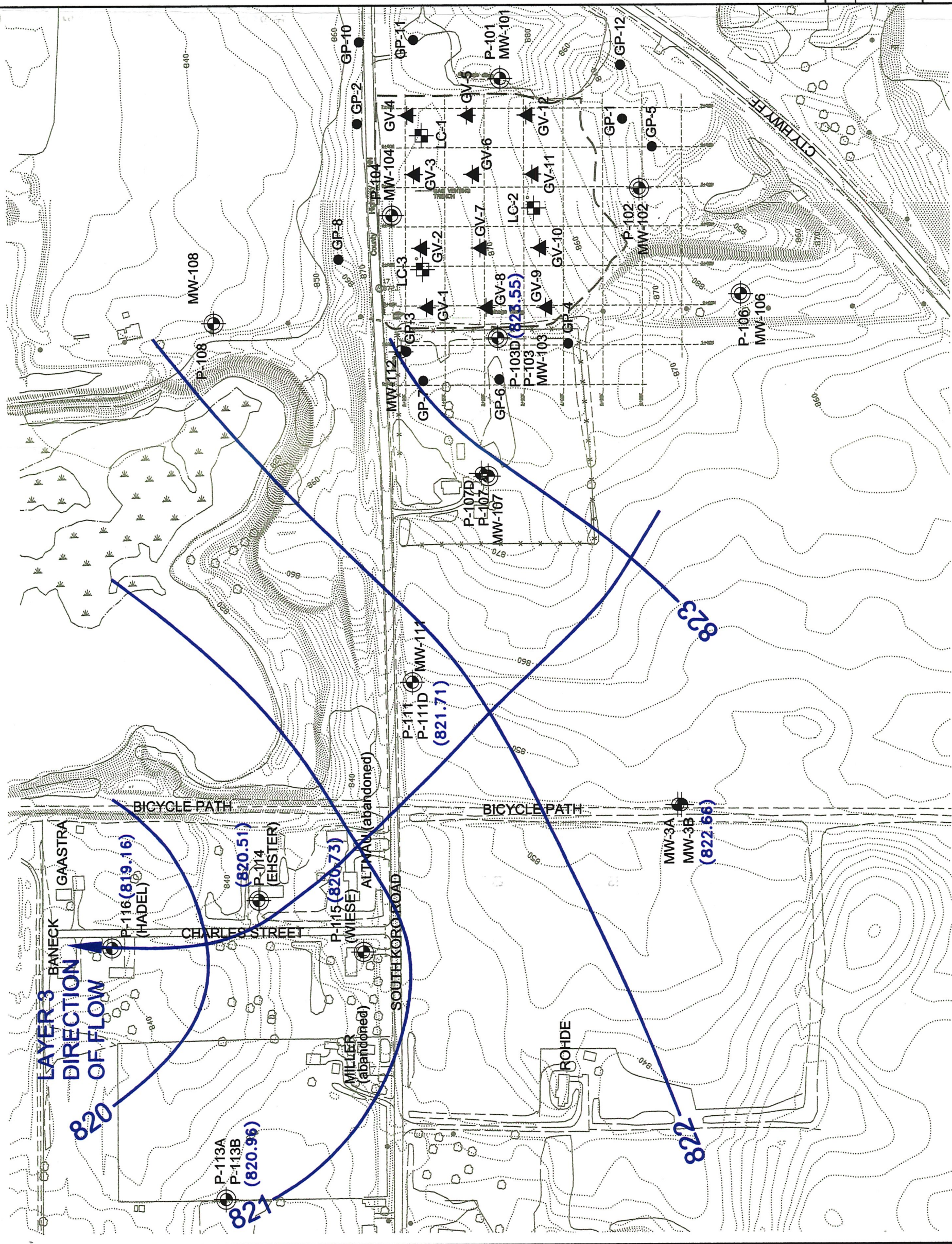
823

822.66

822

**EXPLANATION**

- P-104  MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- MW-104  LEACHATE HEAD WELL LOCATION, DESIGNATION
- LC-2  OUTLINE OF CLOSED LANDFILL
-  GAS PROBE LOCATION AND DESIGNATION
- GP-1  GAS VENT LOCATION AND DESIGNATION
- ▲ GV-1  (822.66) GROUNDWATER ELEVATION



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

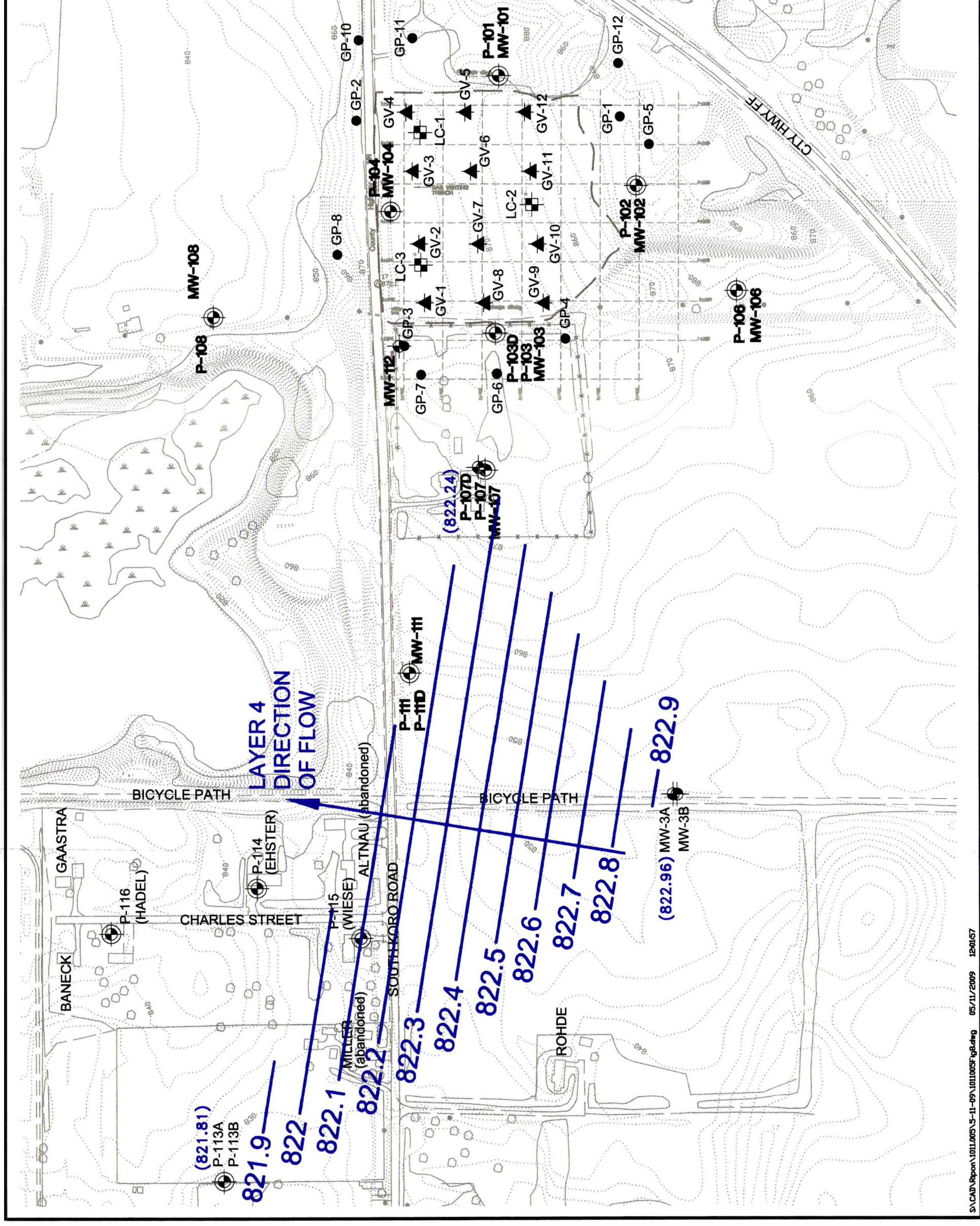
FF/NN LANDFILL RIPON, WISCONSIN	DATE: 5/11/09
DESIGNED: KFL	CHECKED: KFL
APPROVED: MRN	DRAWN: HJW
PROJECT: 117-101005	

GROUNDWATER ELEVATIONS  
LAYER 3 WELLS  
APRIL 2009



Figure 3





**EXPLANATION**

- P-104  
MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- MW-104  
LEACHATE HEAD WELL LOCATION, DESIGNATION
- LC-2  
OUTLINE OF CLOSED LANDFILL
- GP-1  
GAS PROBE LOCATION AND DESIGNATION
- GV-1  
GAS VENT LOCATION AND DESIGNATION
- (822.96)  
GROUNDWATER ELEVATION



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

FF/MN LANDFILL RIPON, WISCONSIN	DATE: 5/11/09
GROUNDWATER ELEVATIONS LAYER 4 WELLS APRIL 2009	DESIGNED: KFL
	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJTW
PROJ.: 117-1011005	



Figure 4



**CHARTS**

Chart 1: GV-1 Gas Concentrations

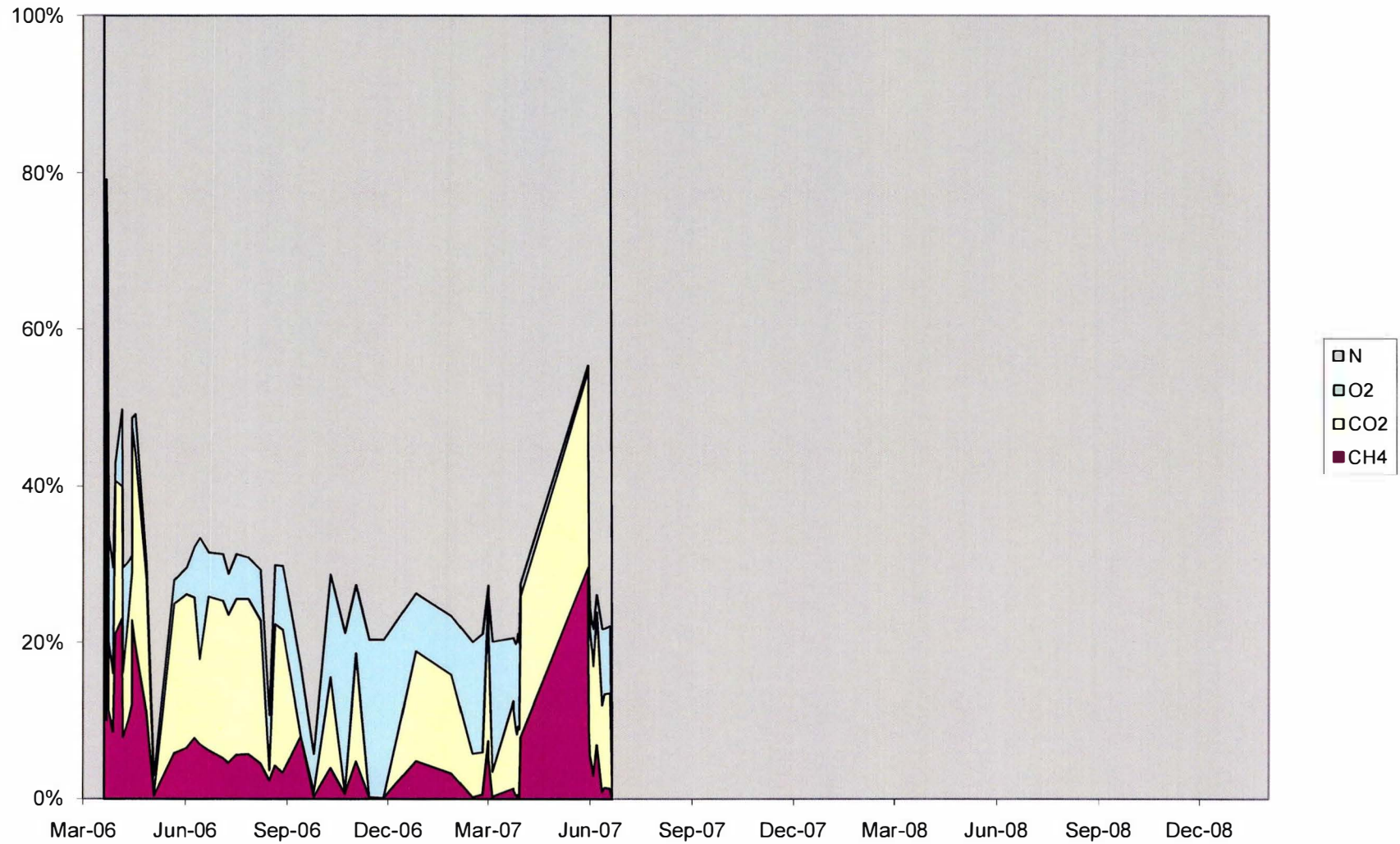




Chart 2: GV-4 Gas Concentrations

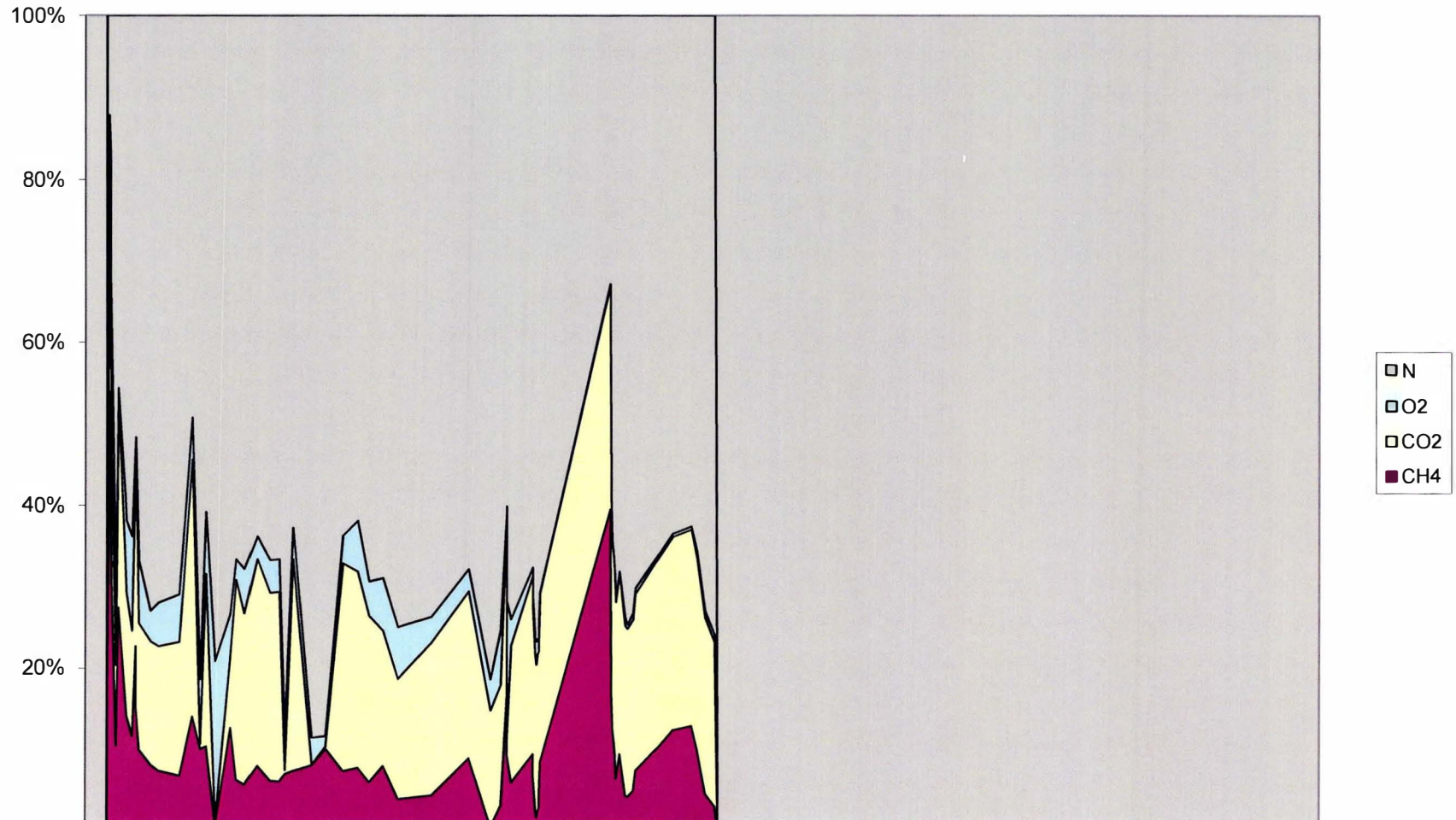


Chart 3: GV-6 Gas Concentrations

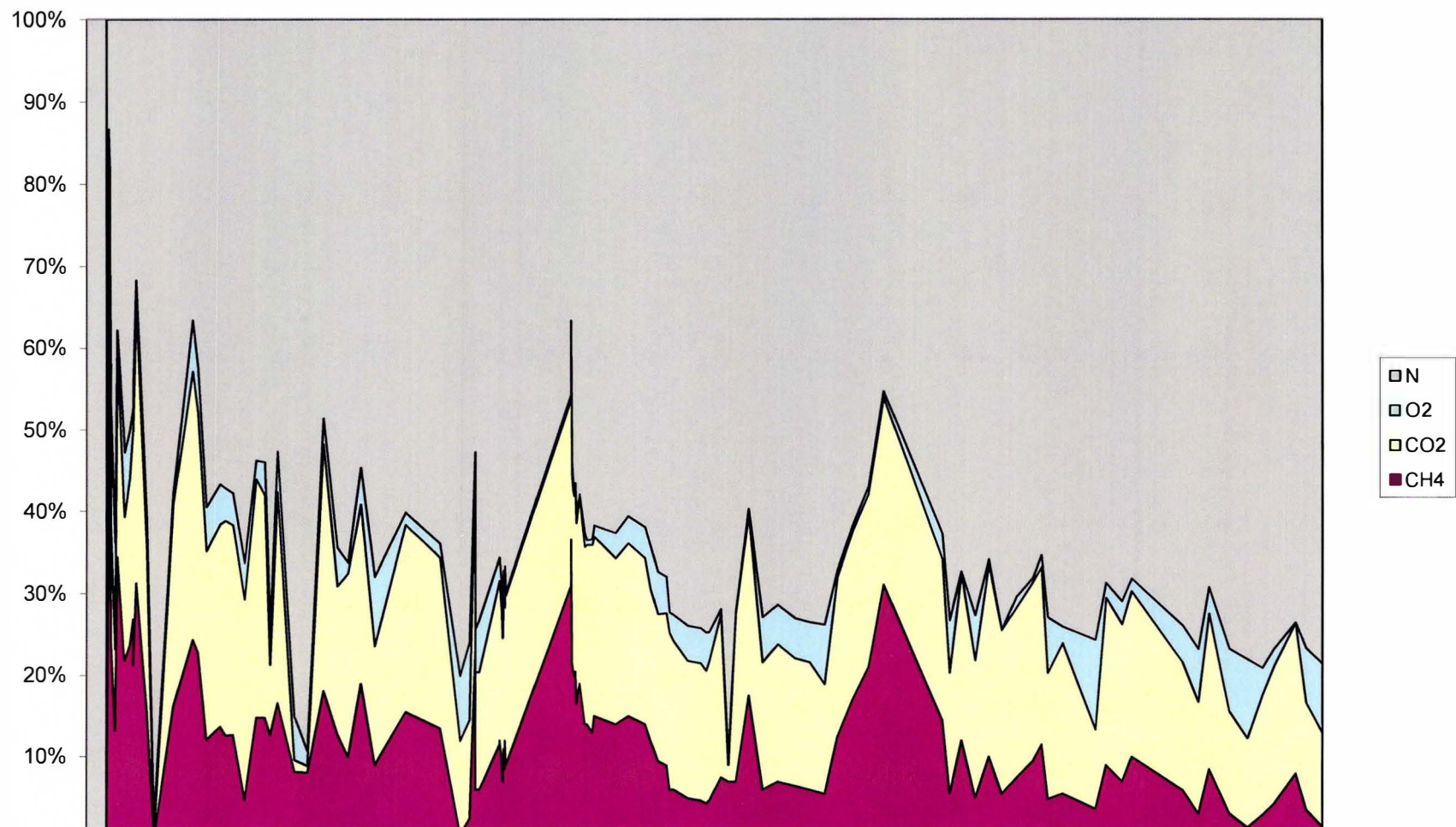


Chart 4: GV-7 Gas Concentrations

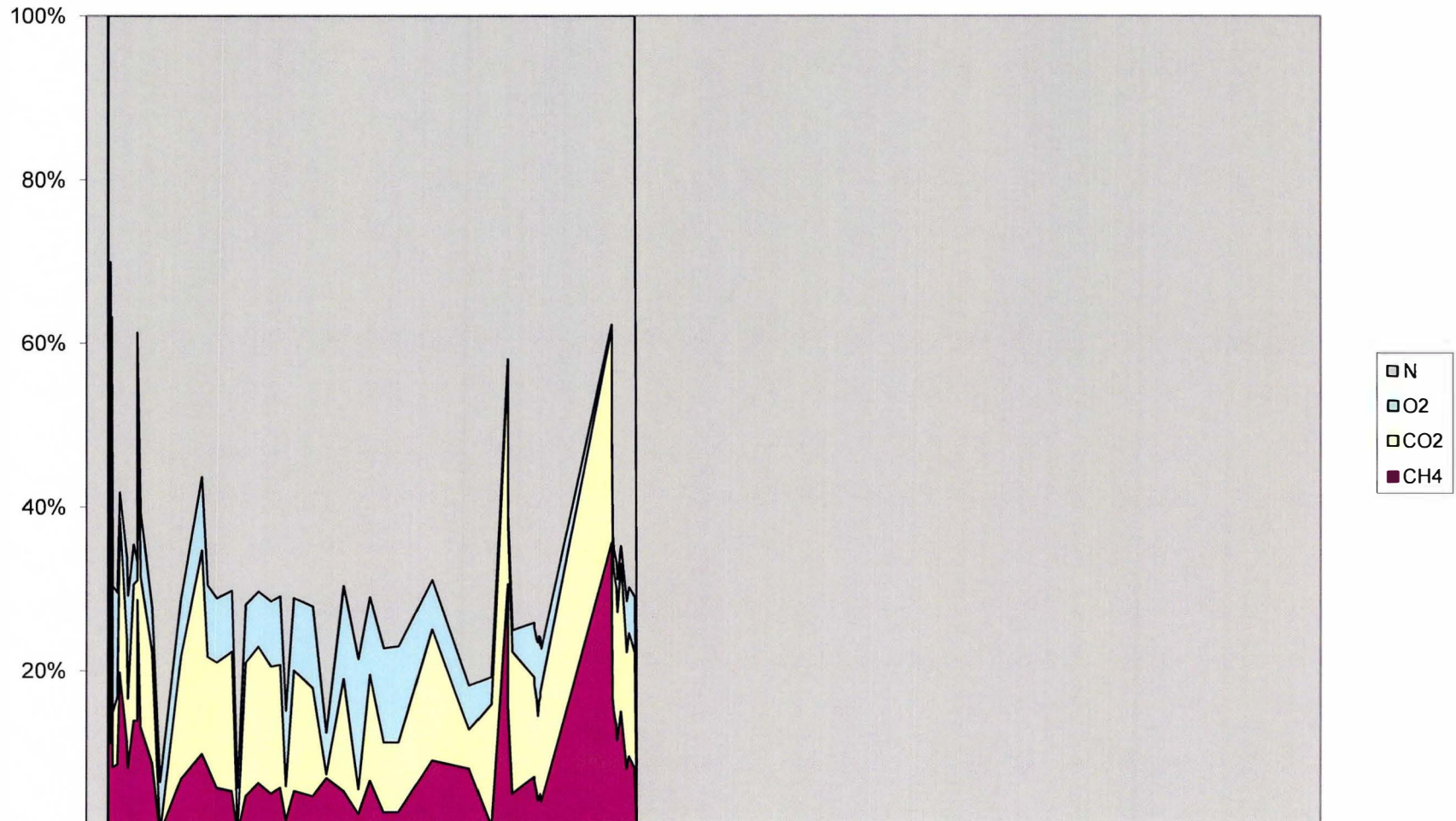




Chart 5: GV-9 Gas Concentrations

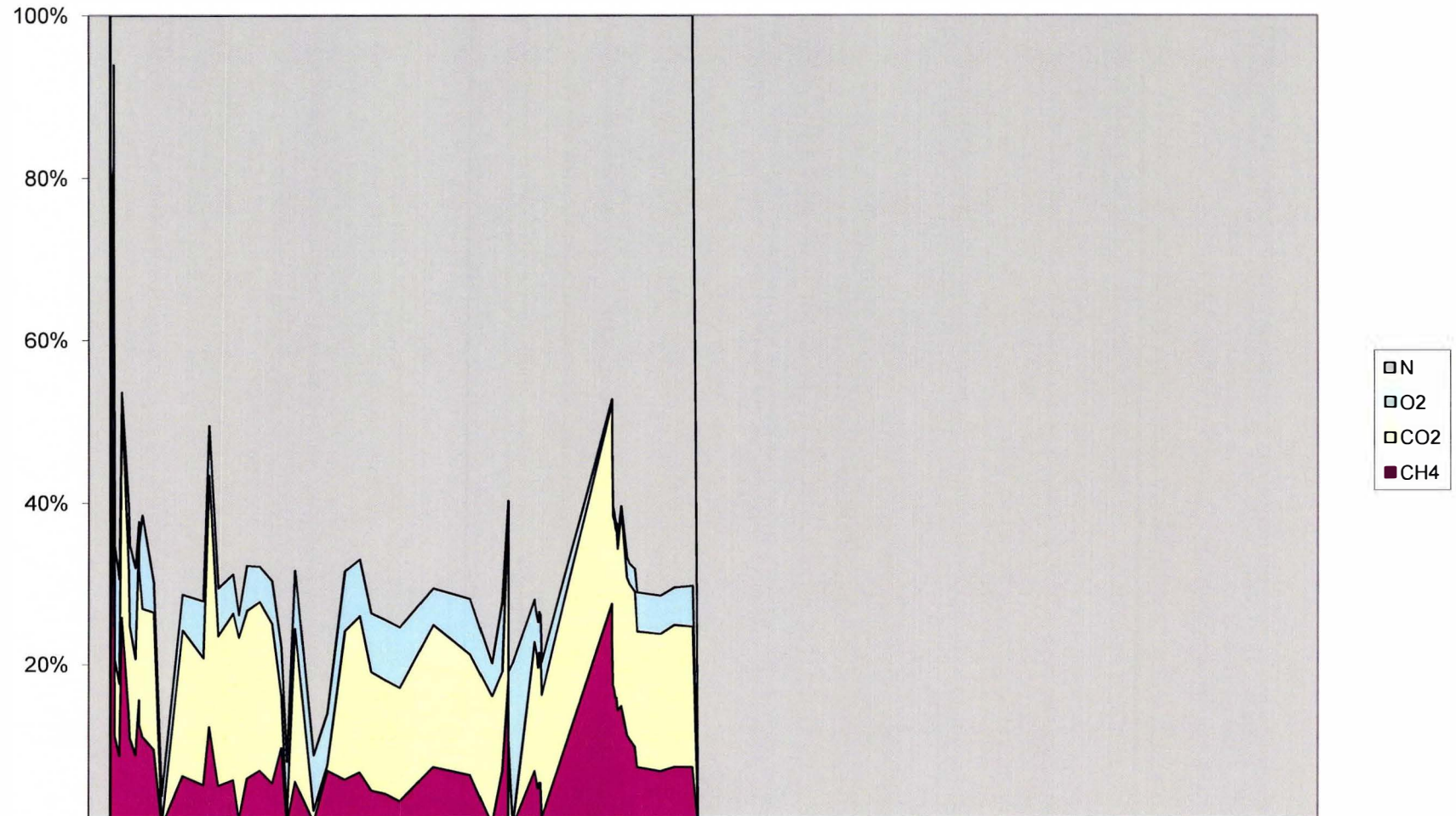


Chart 6: GV-12 Gas Concentrations

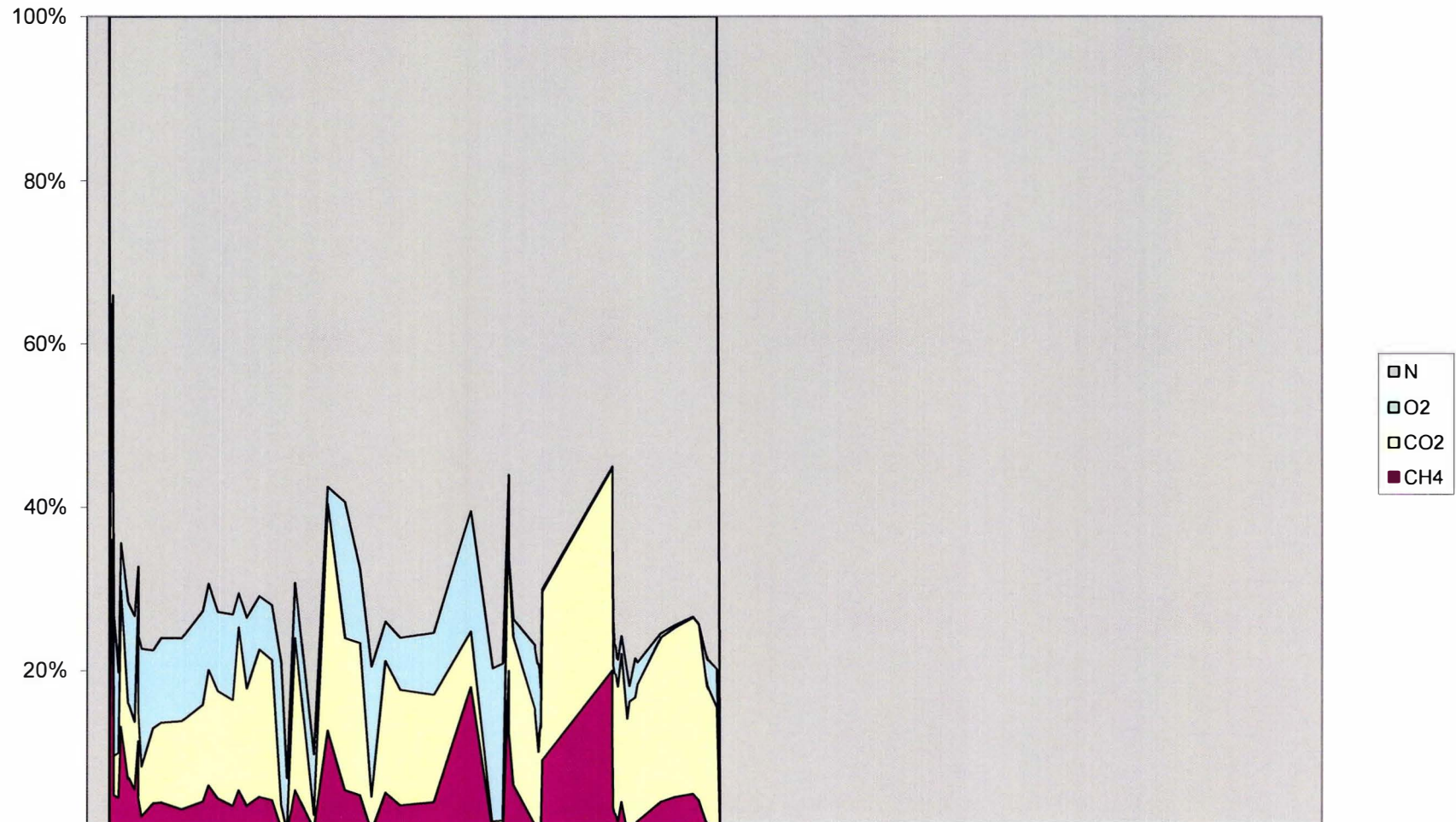


Chart 7: LC-1 Gas Concentrations

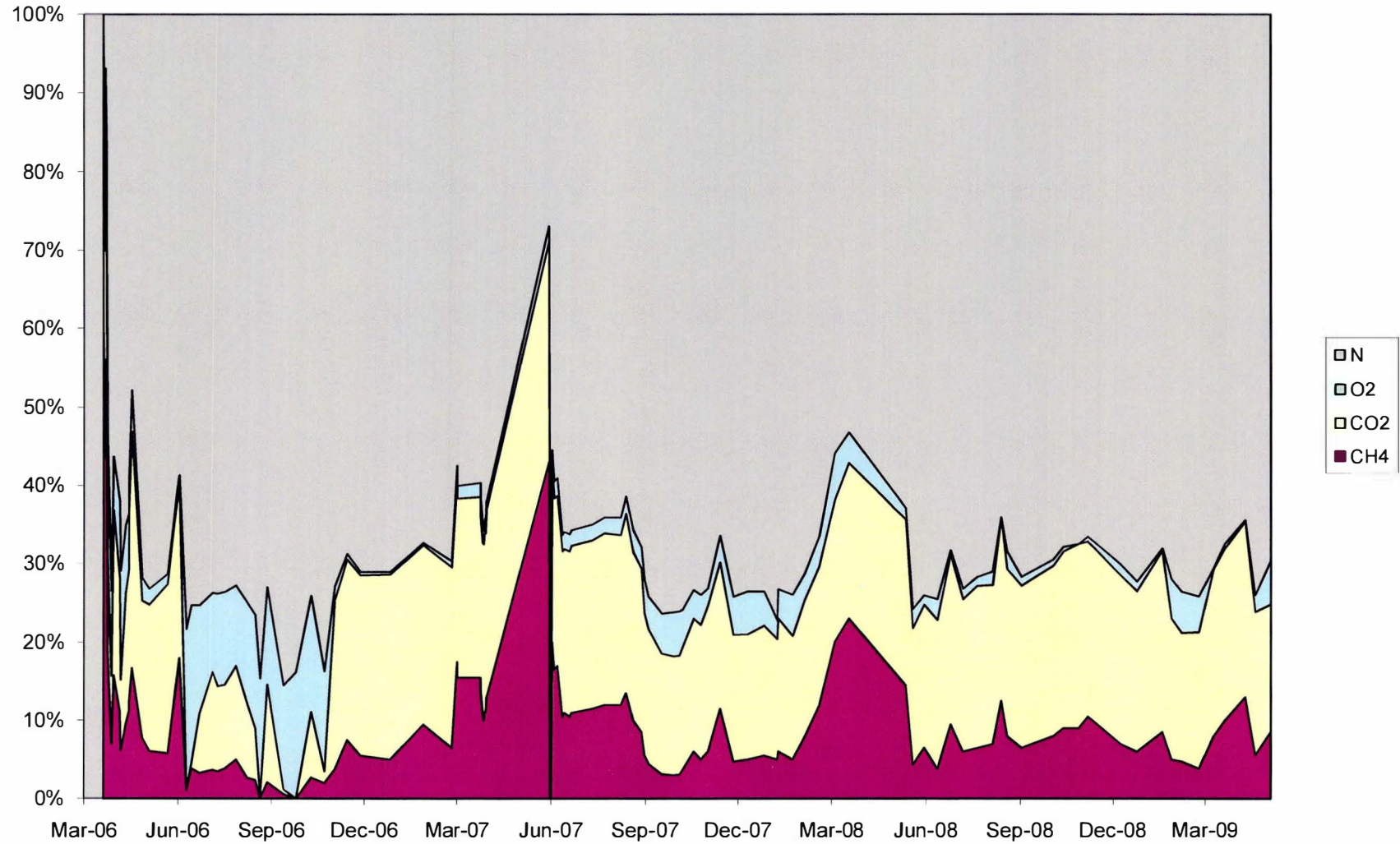




Chart 8: LC-2 Gas Concentrations

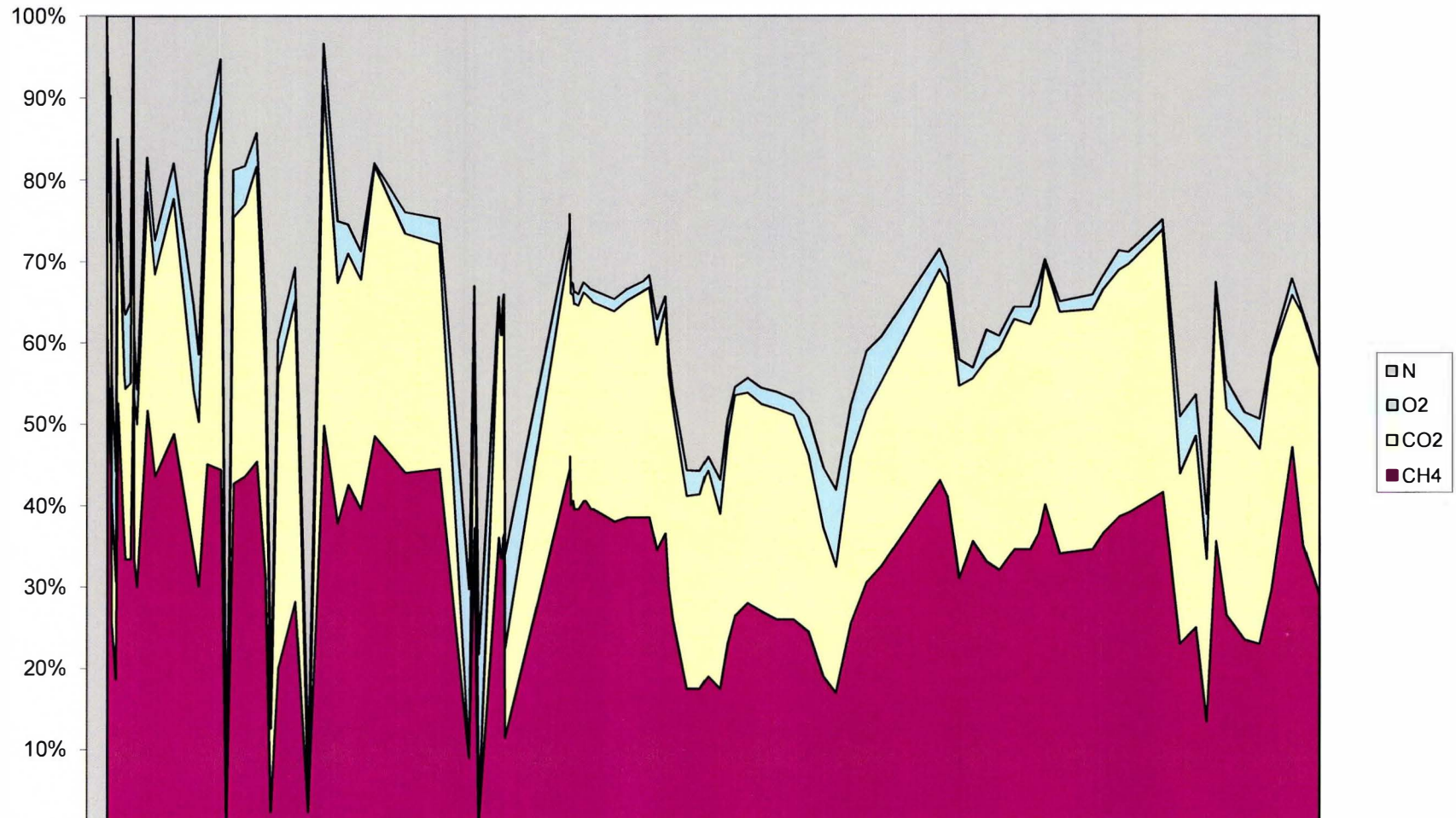


Chart 9: LC-3 Gas Concentrations

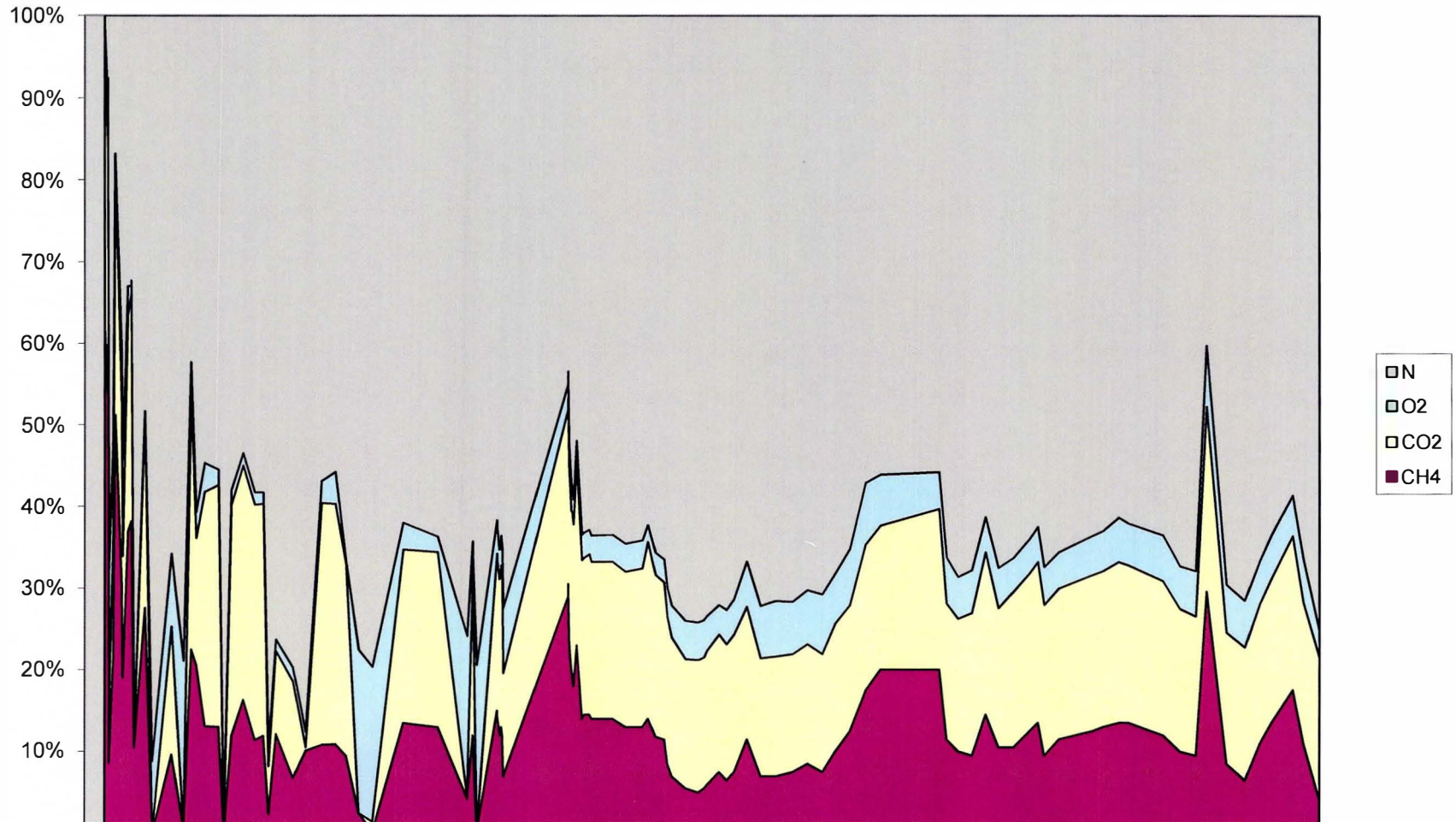




Chart 10: System Exhaust

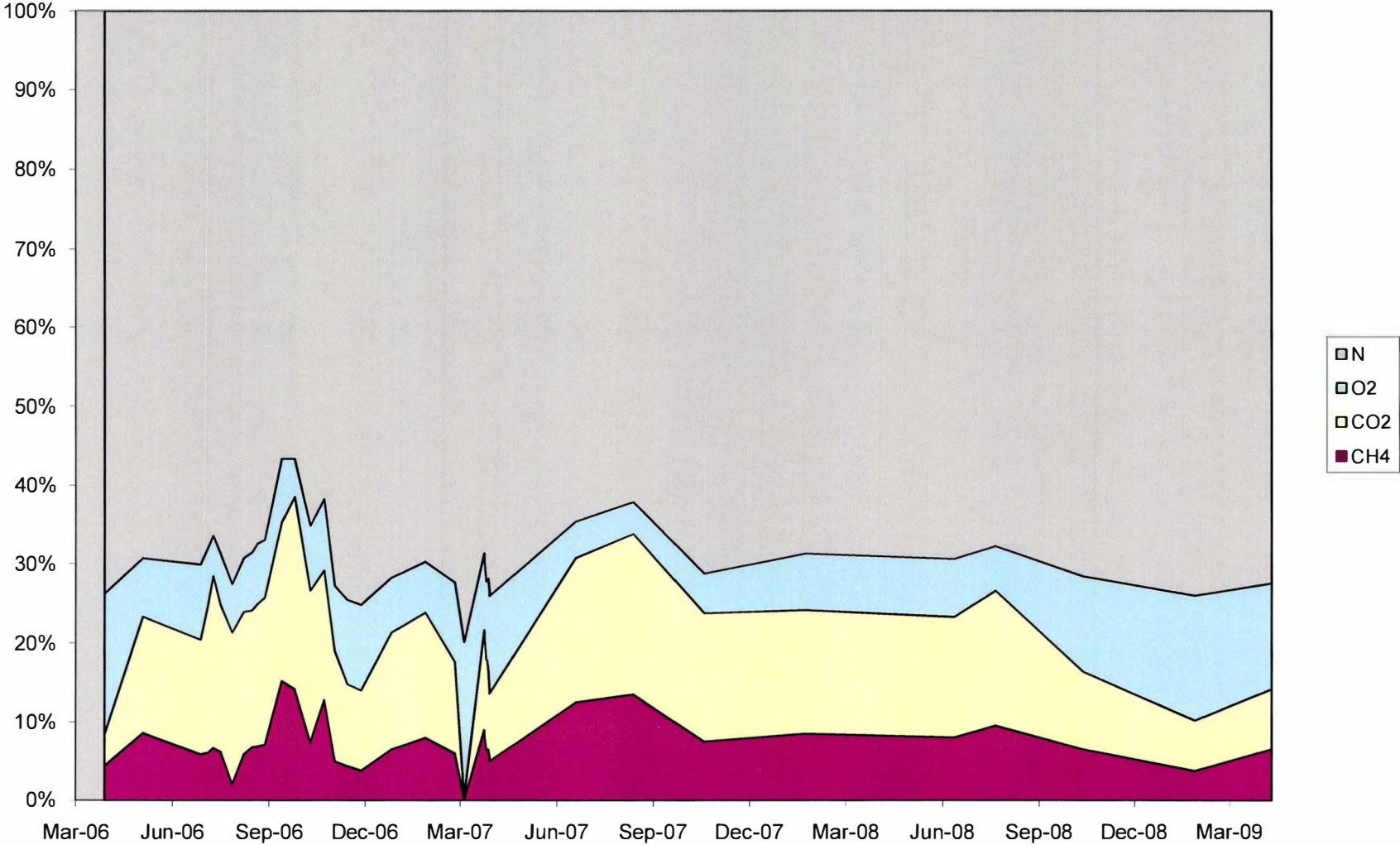


Chart 11: GP-1 Gas Concentrations

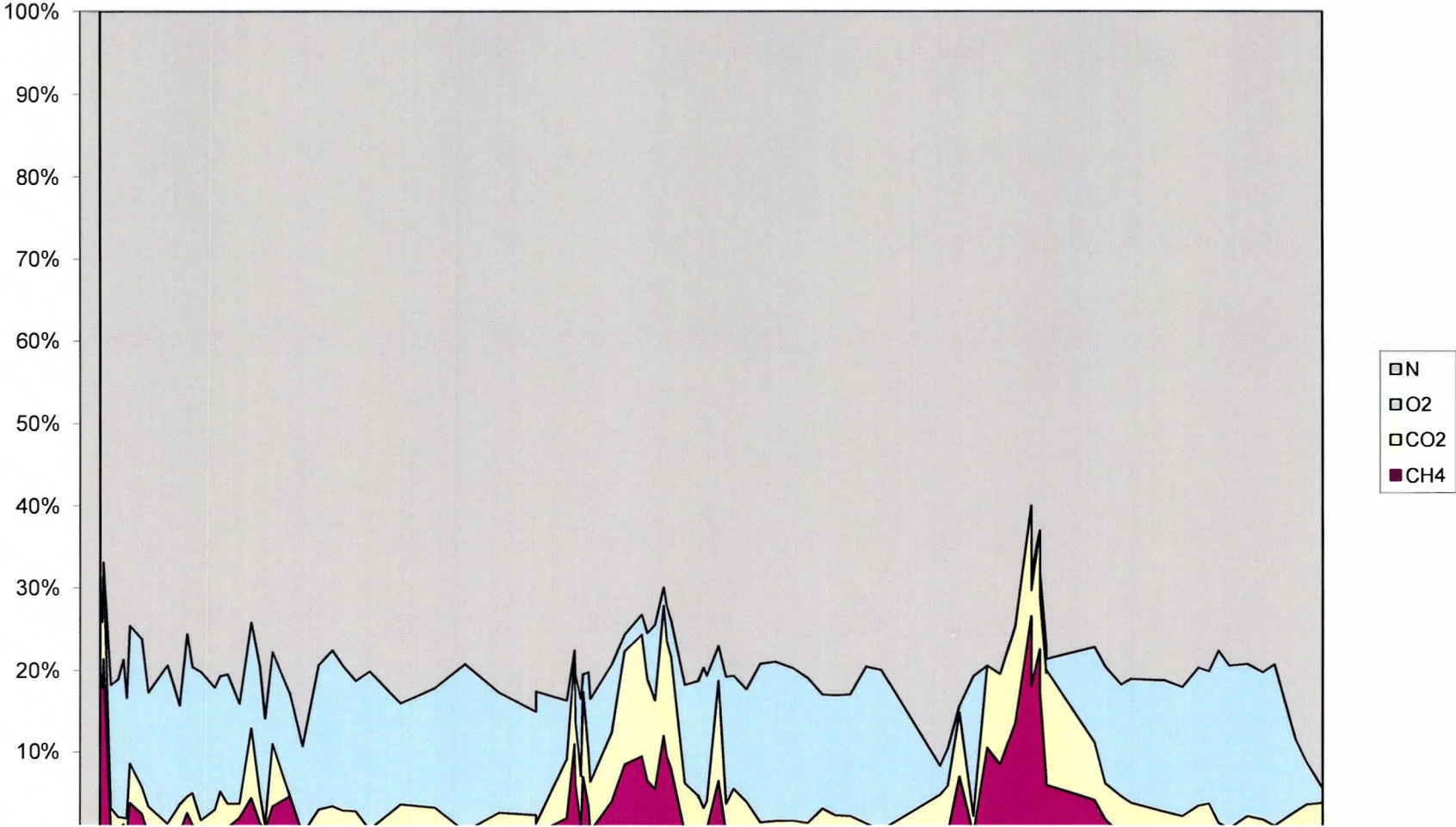


Chart 12: GP-2 Gas Concentrations

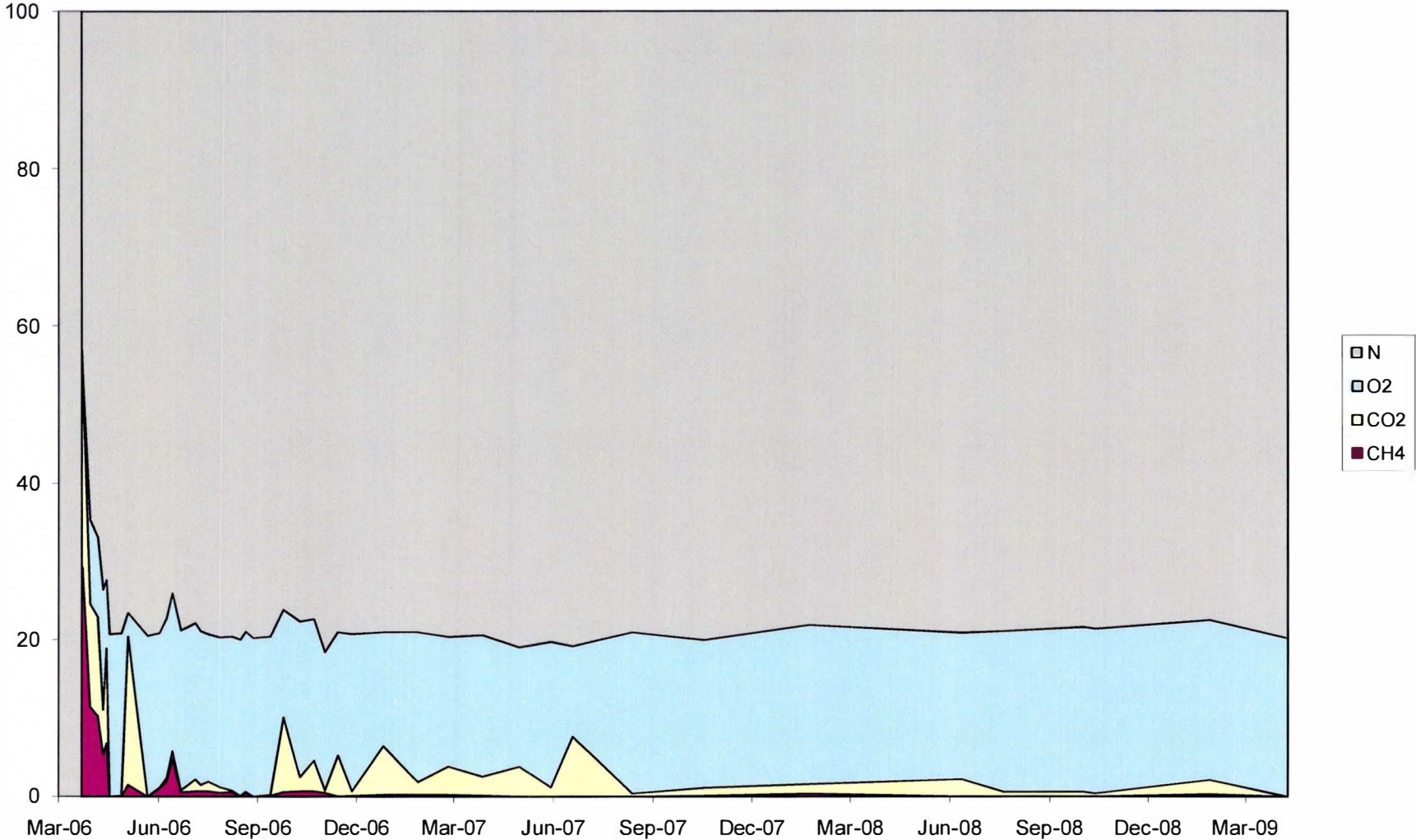




Chart 13: GP-3 Gas Concentrations

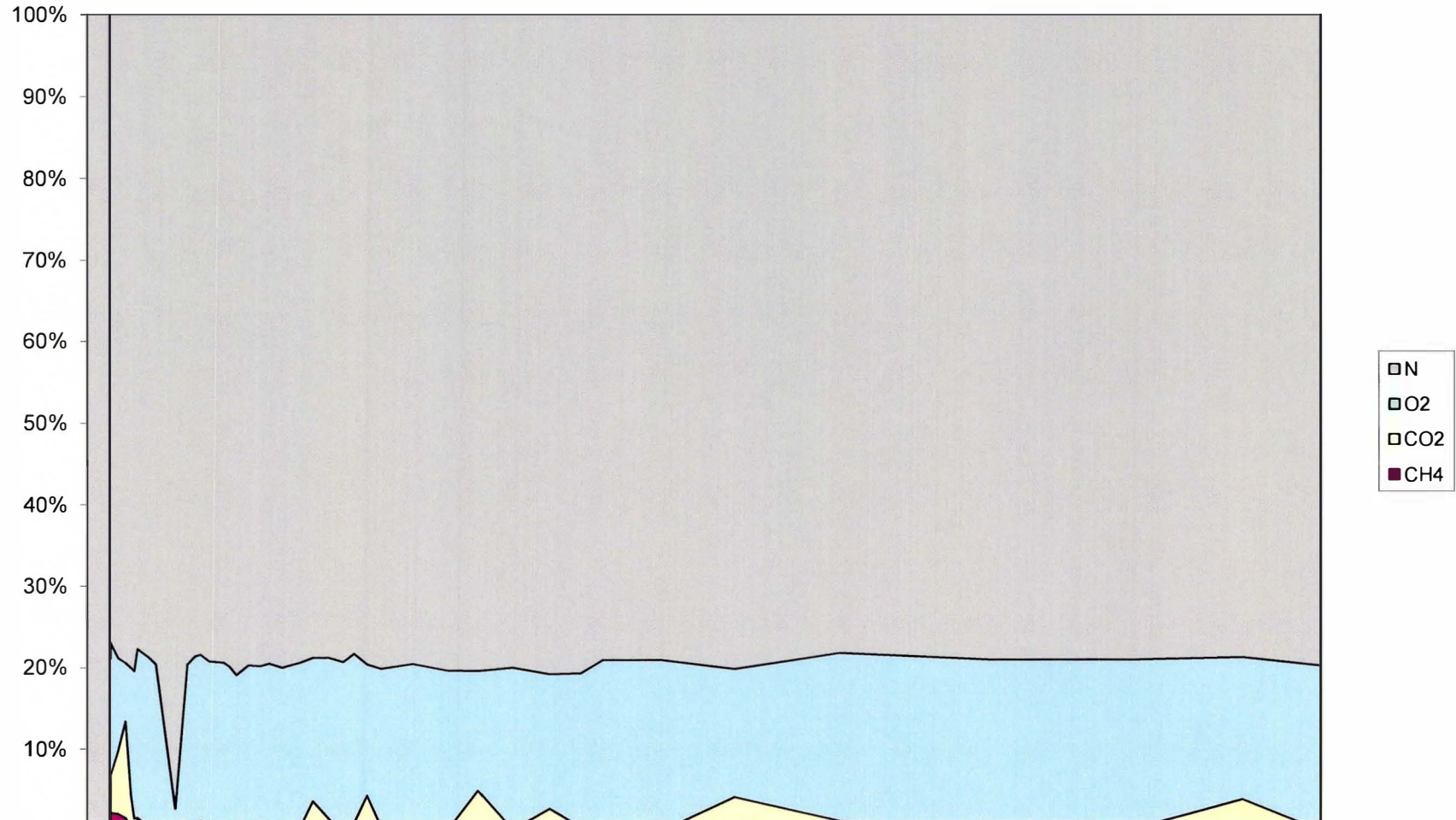


Chart 14: GP-4 Gas Concentrations

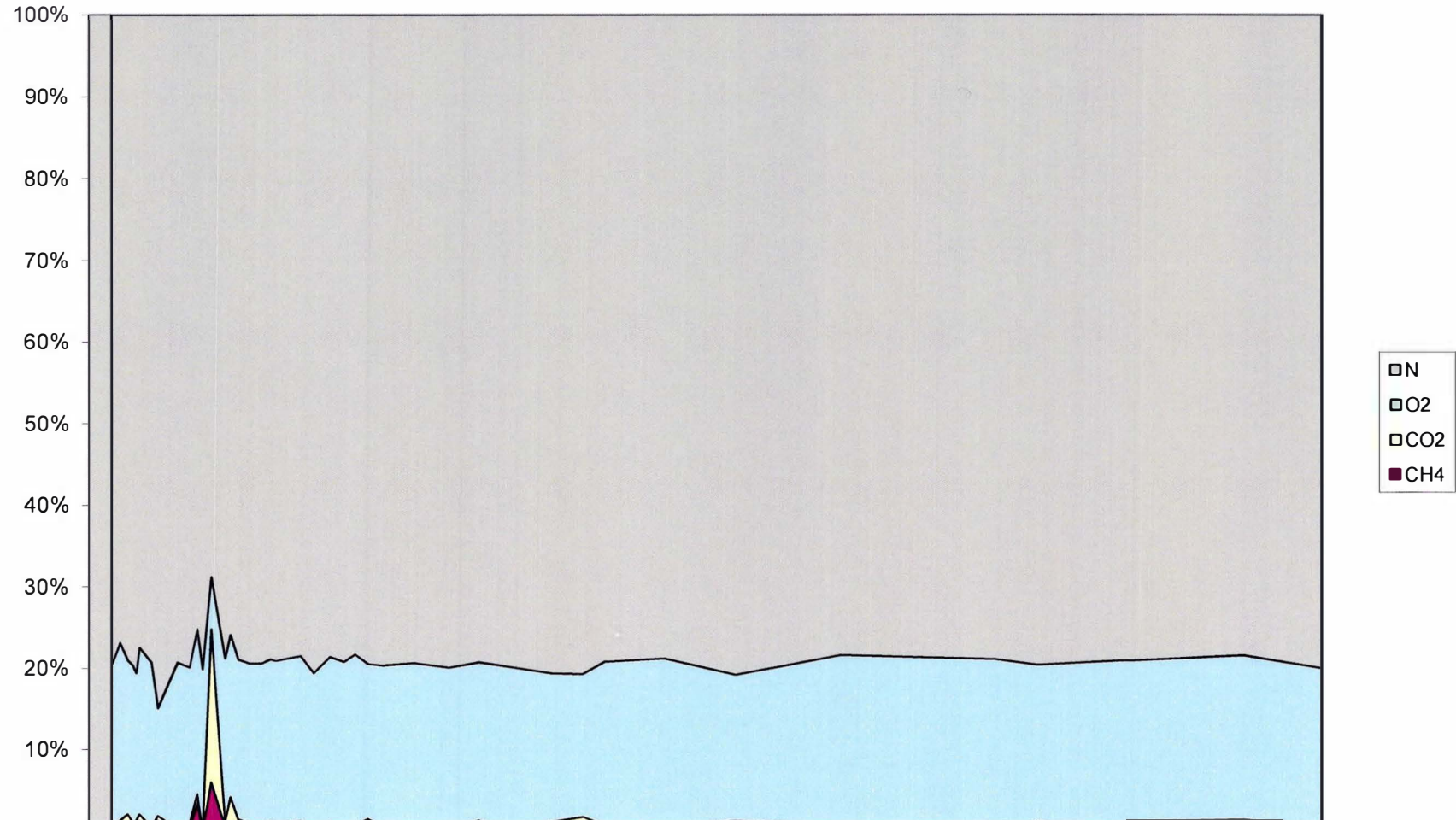


Chart 15: GP-5 Gas Concentrations

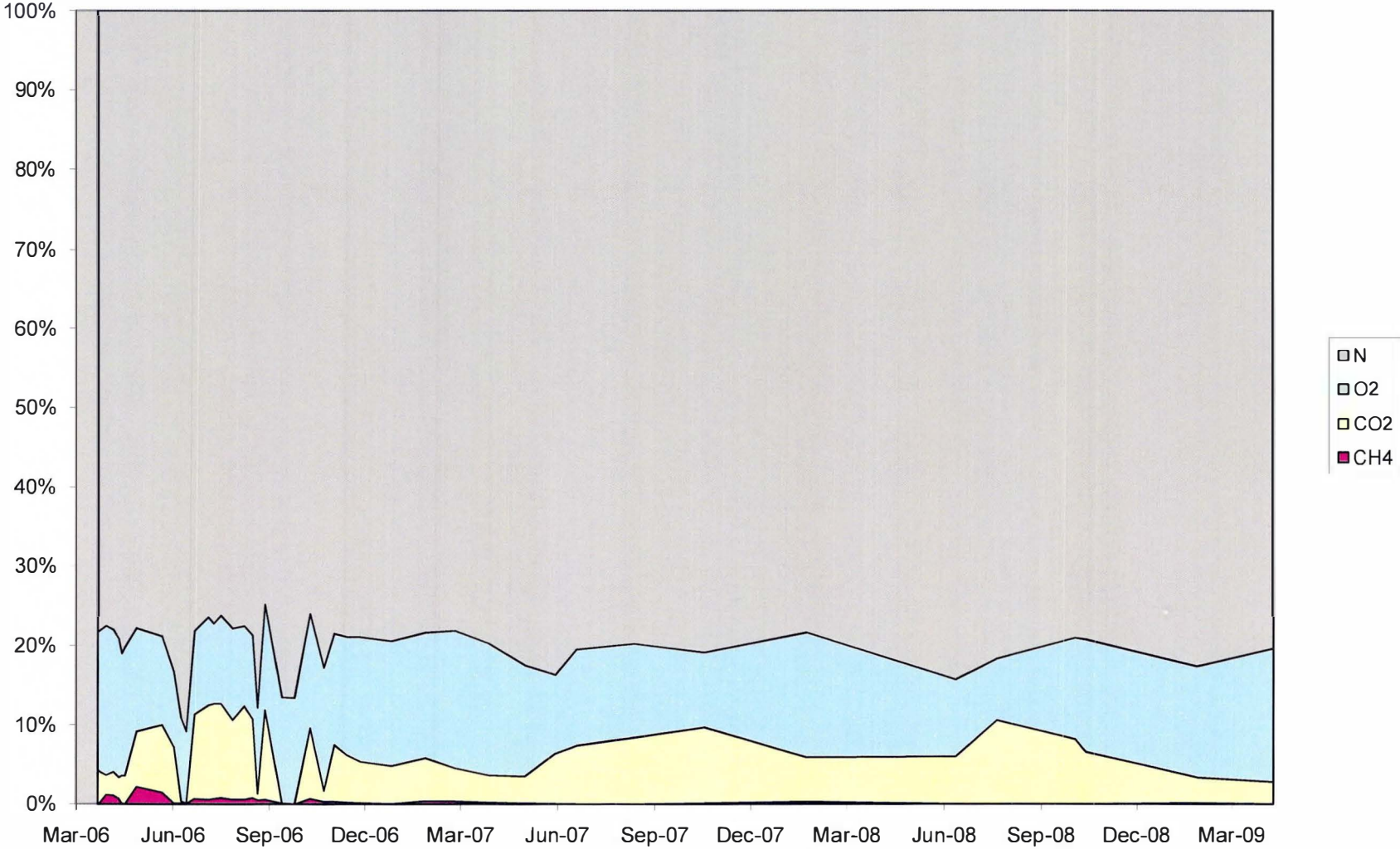




Chart 16: GP-6 Gas Concentrations

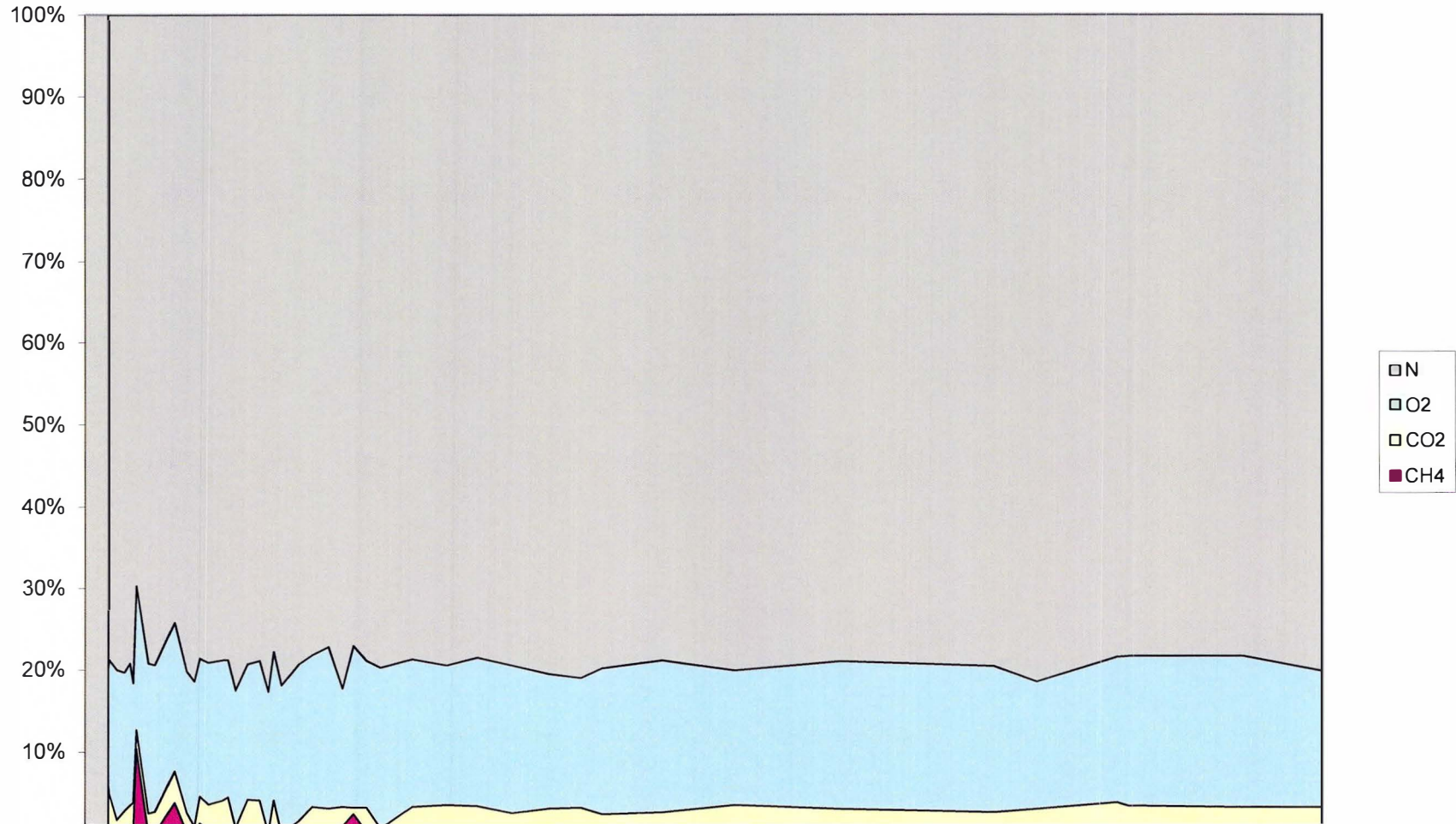


Chart 17: GP-7 Gas Concentrations

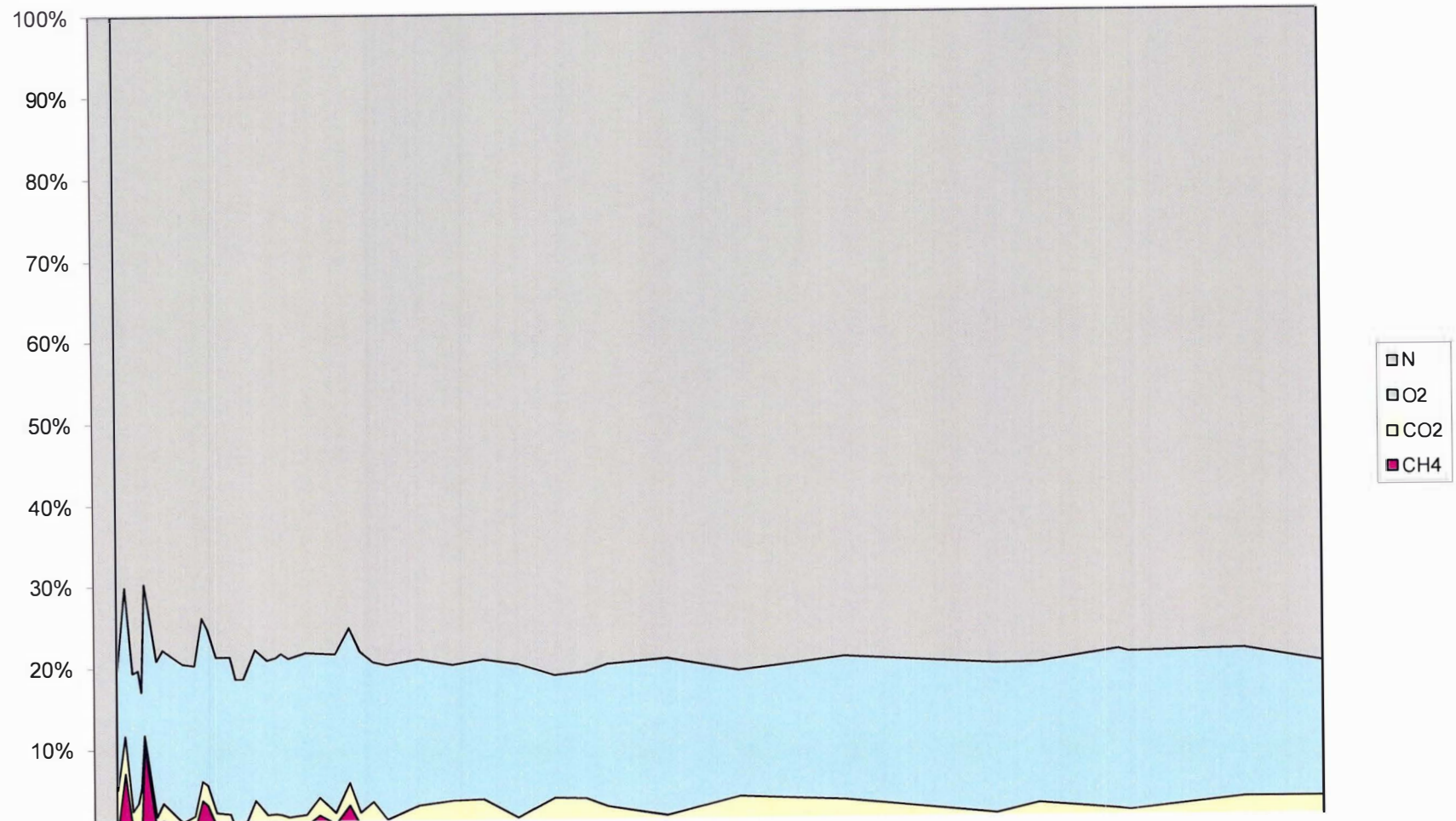




Chart 18: GP-8 Gas Concentrations

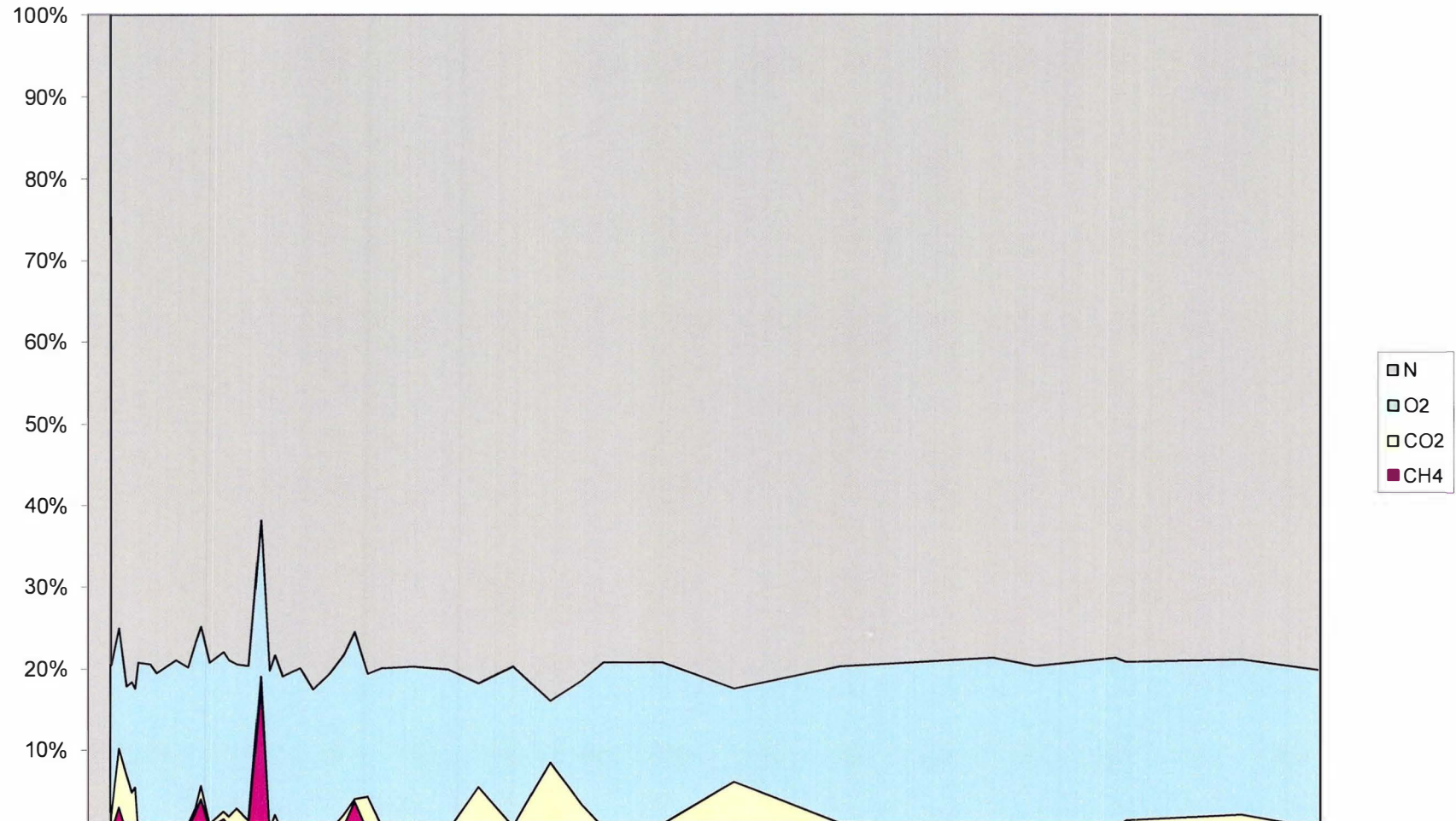


Chart 19: GP-10 Gas Concentrations

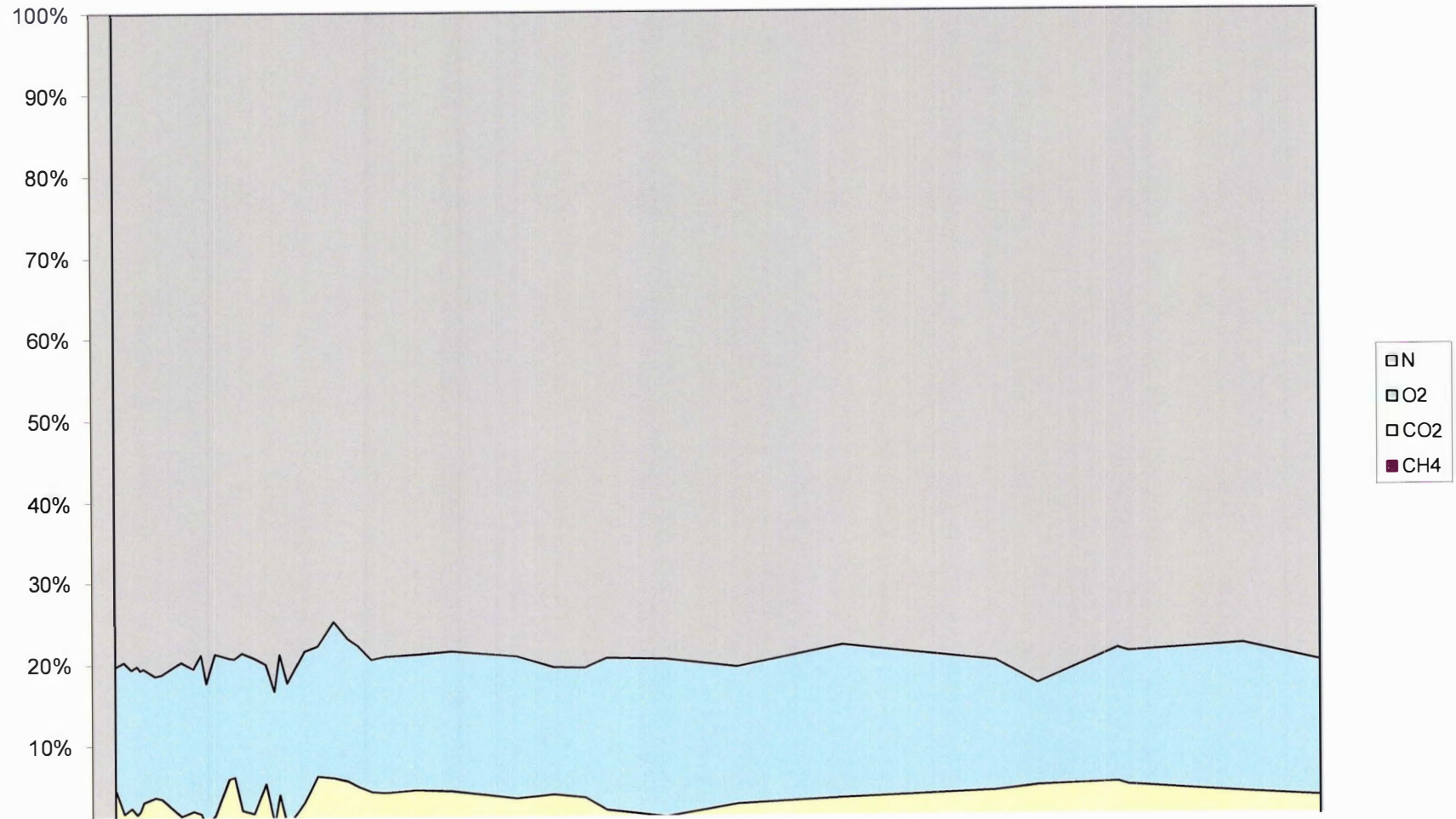


Chart 20: GP-11 Gas Concentrations

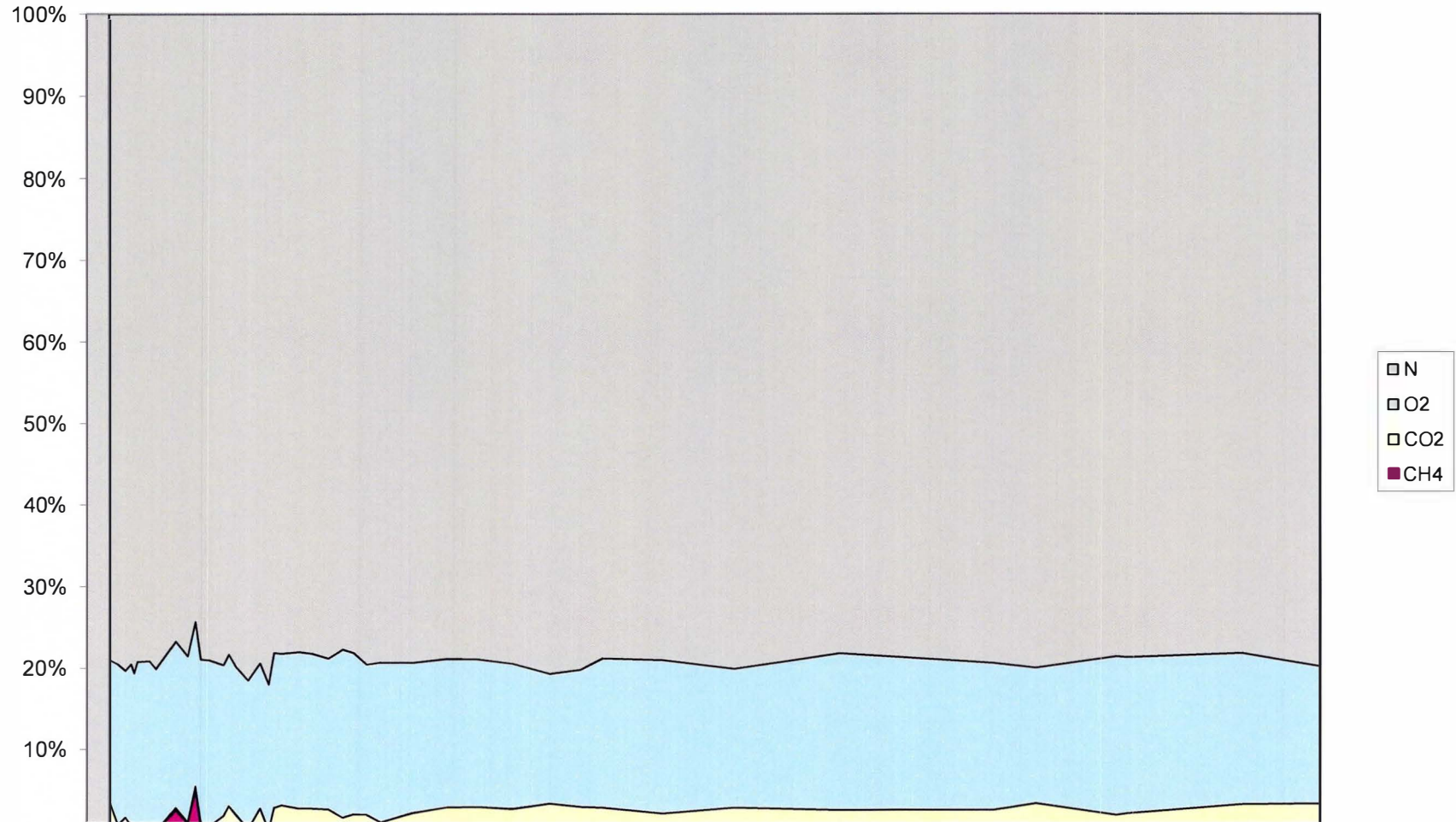




Chart 21: GP-12 Gas Concentrations

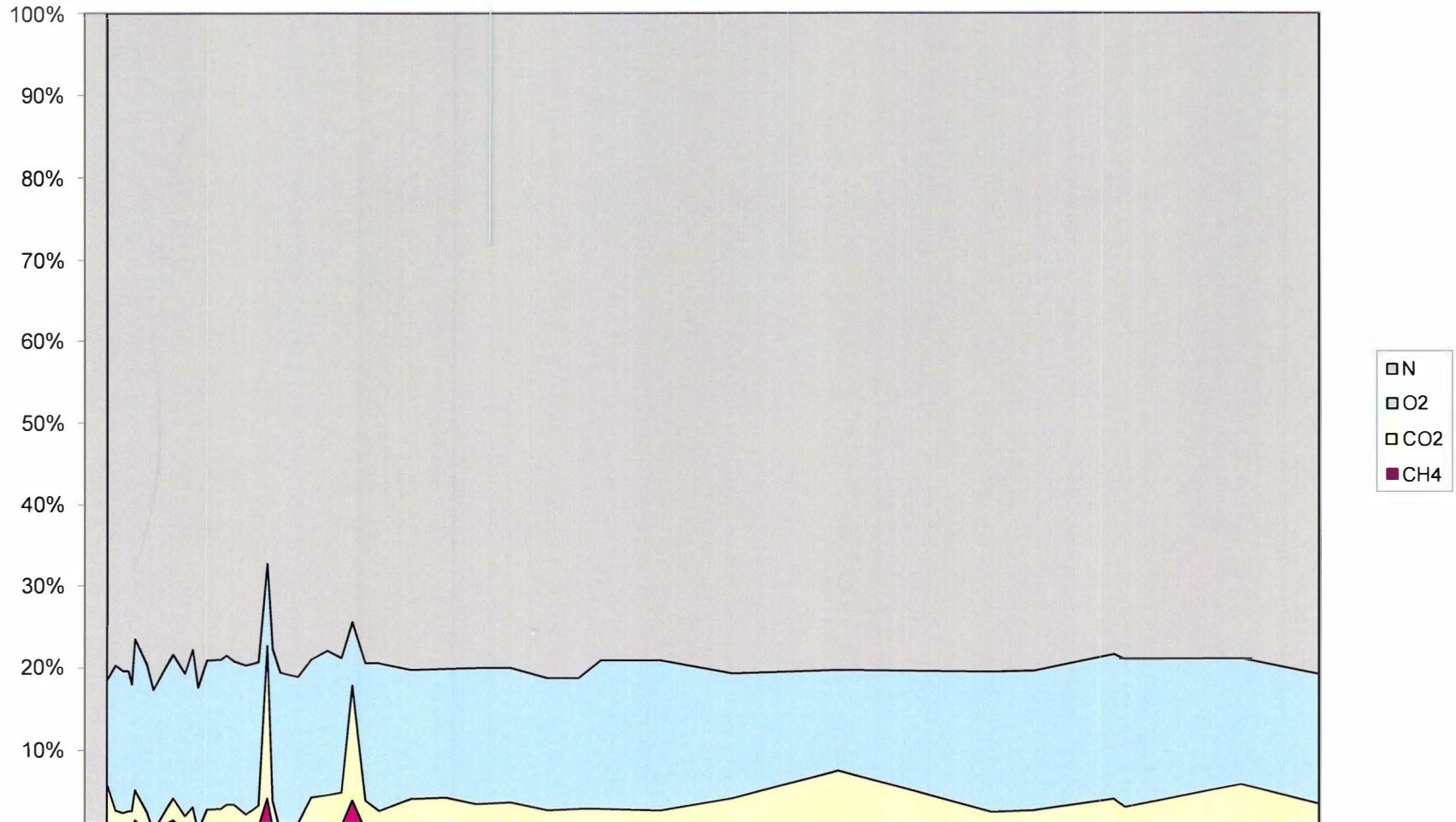


Chart 22: MW-101 Gas Concentrations

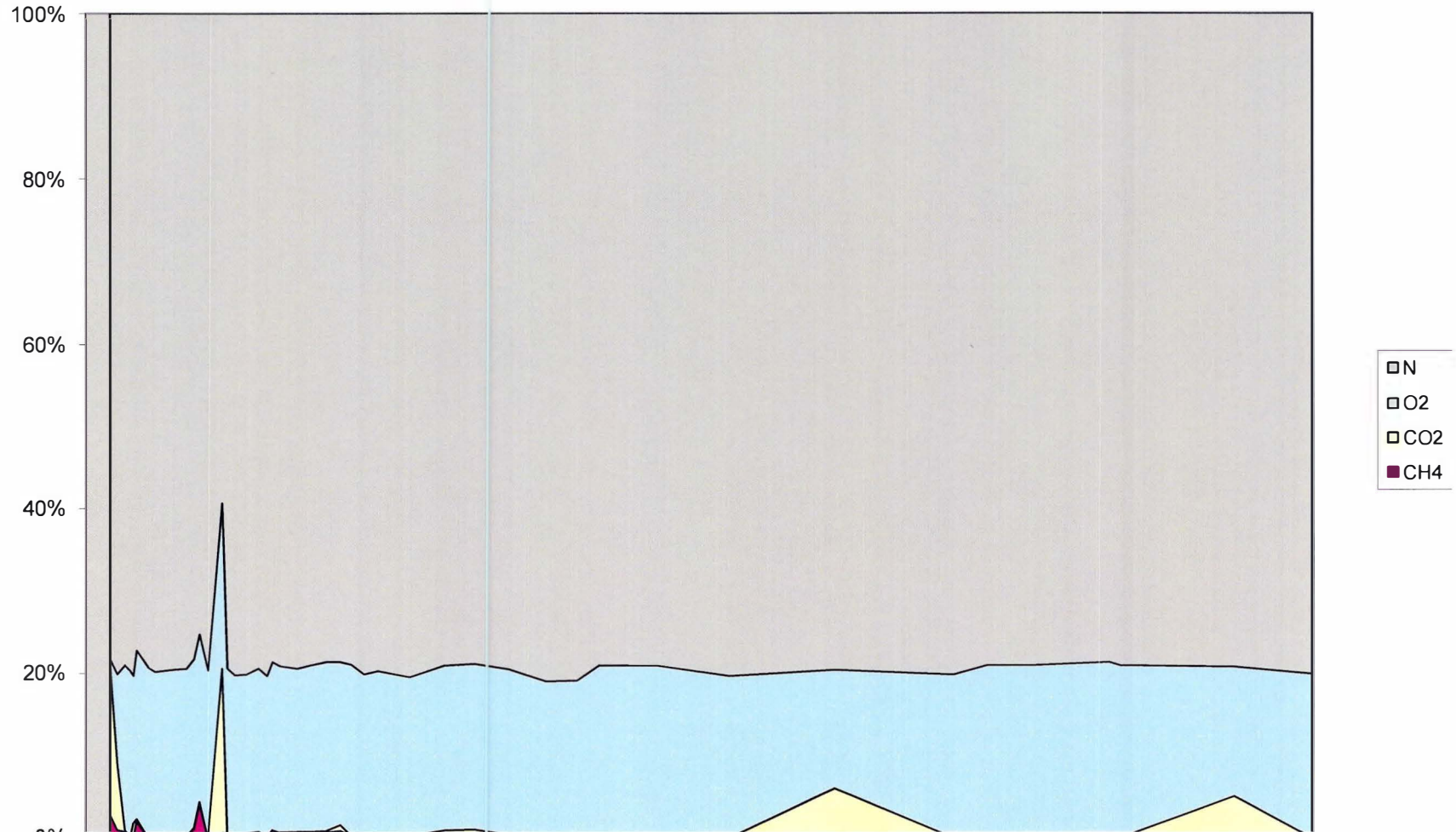




Chart 23: MW-102 Gas Concentrations

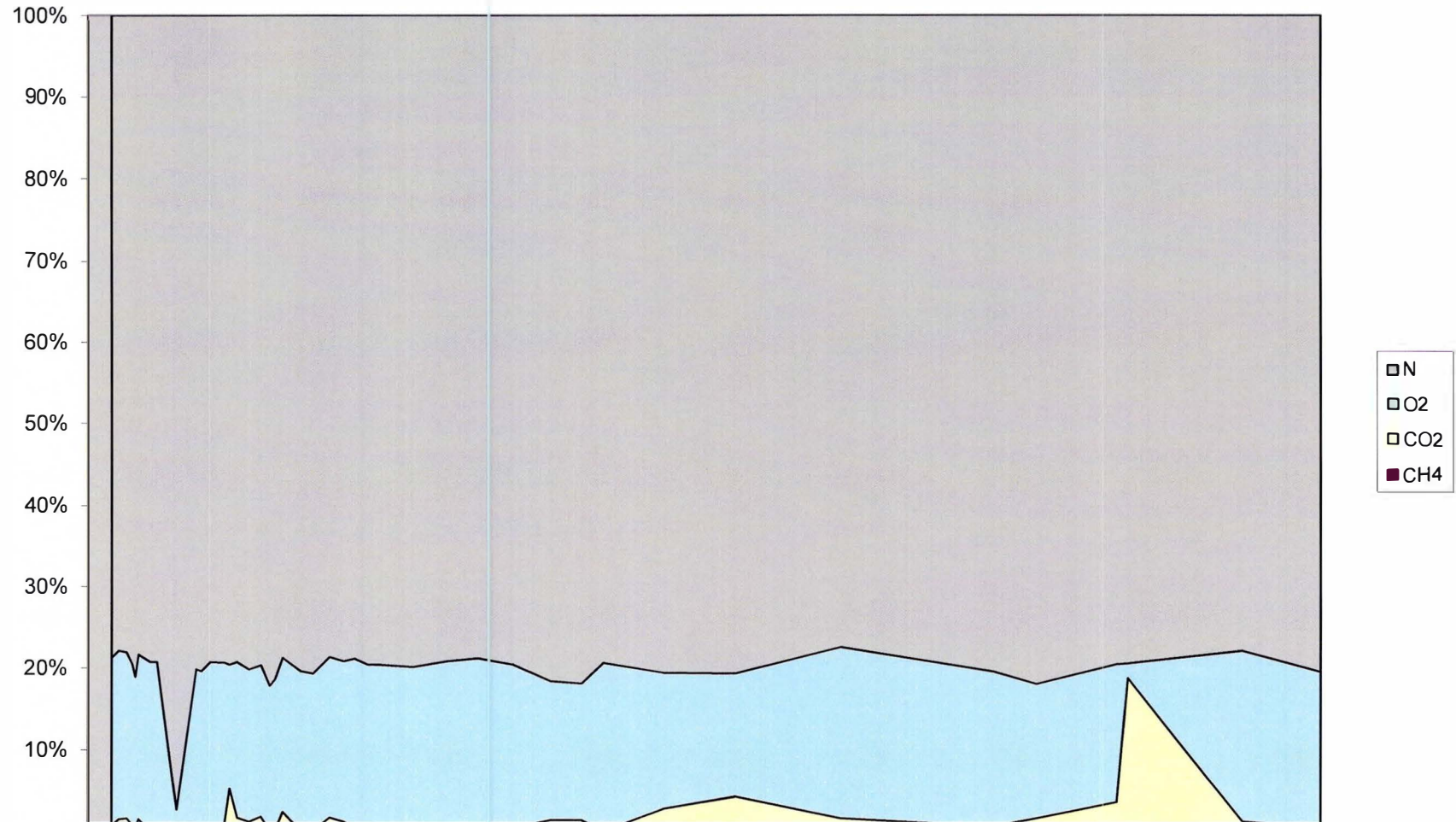


Chart 24: MW-103 Gas Concentrations

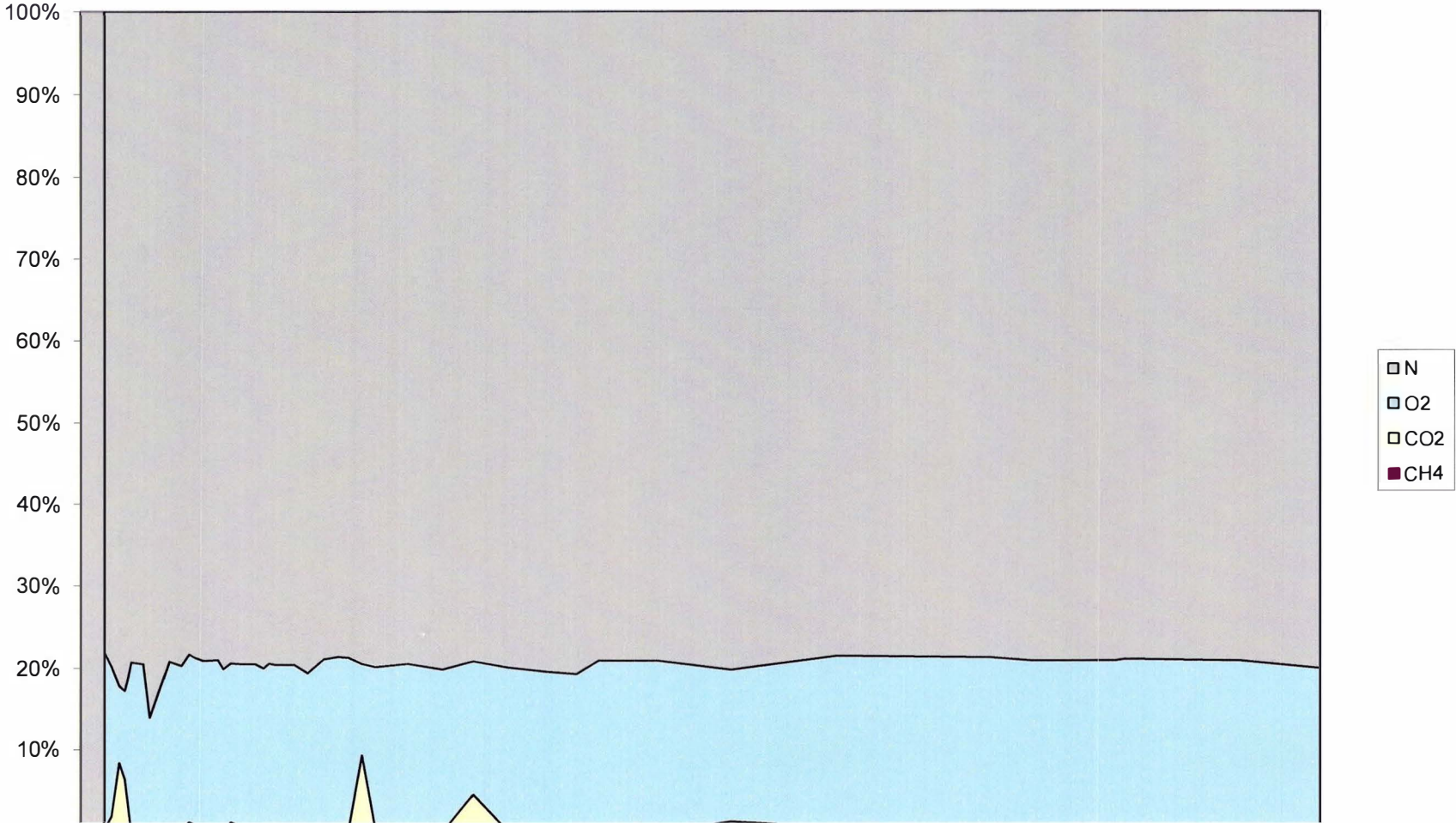
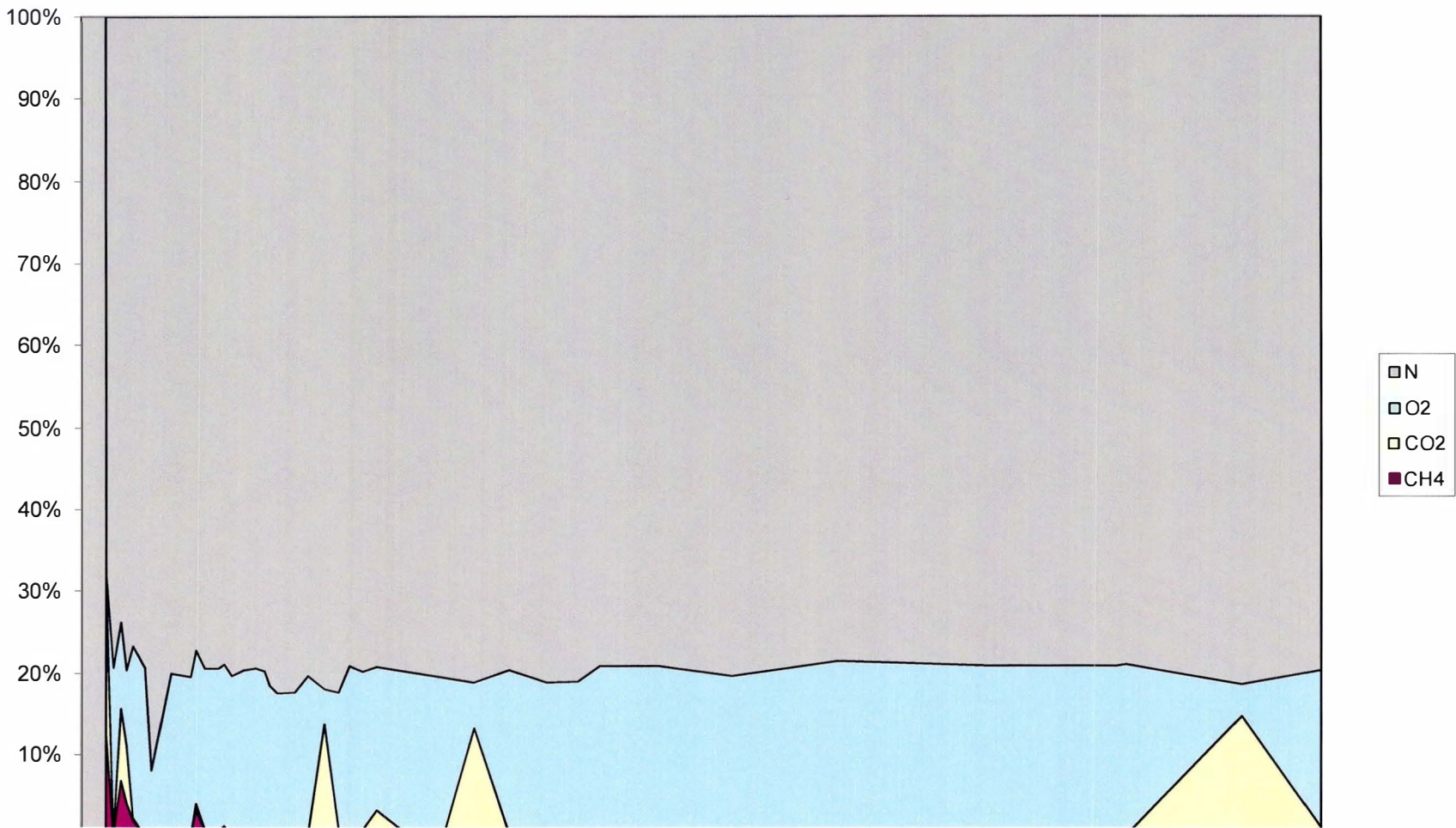


Chart 25: MW-104 Gas Concentrations





**Chart 26: Barometric Pressure  
(Weather Station: Ripon, WI)**

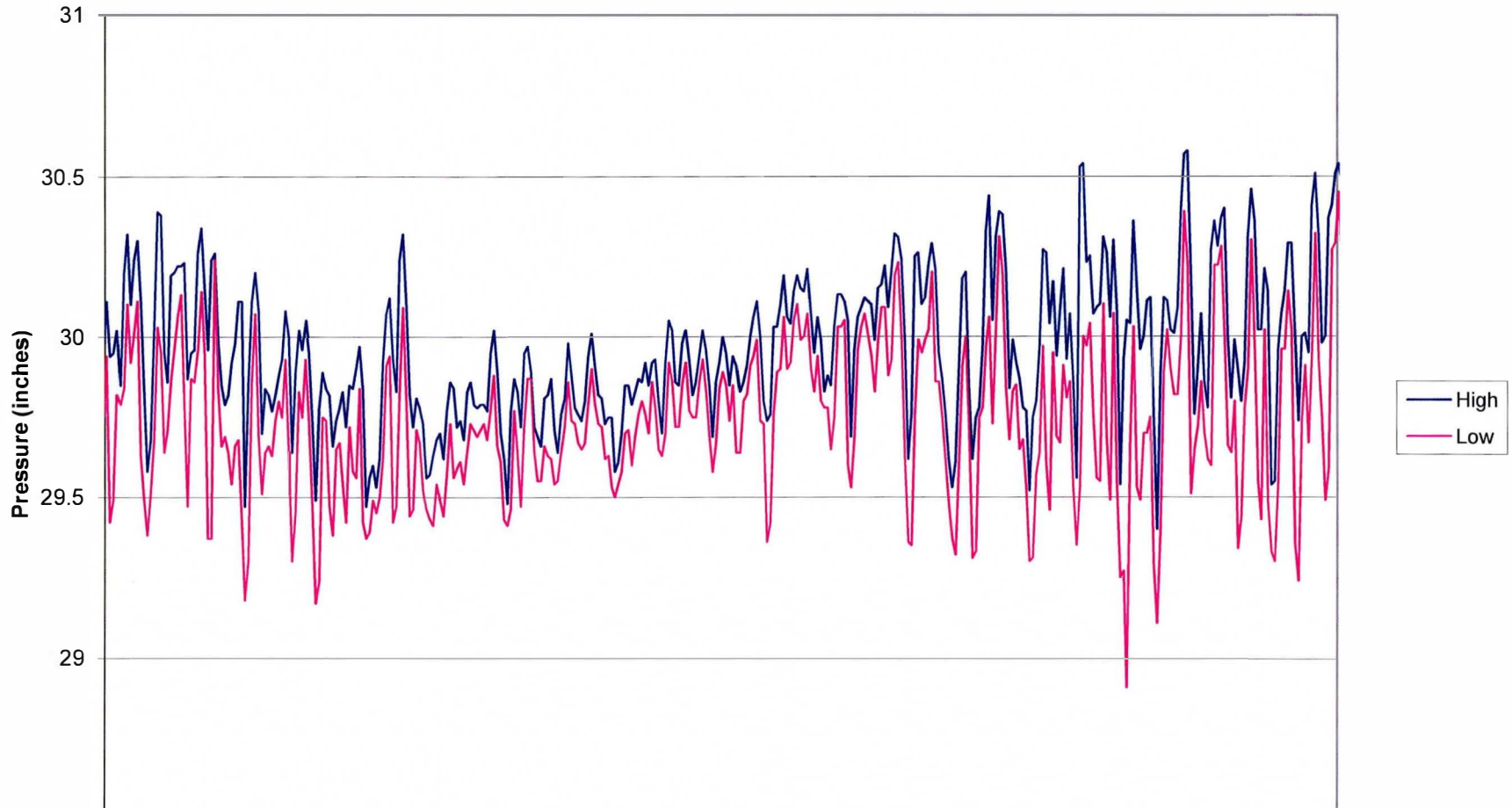




Chart 27: MW-101  
Layer 1 Well

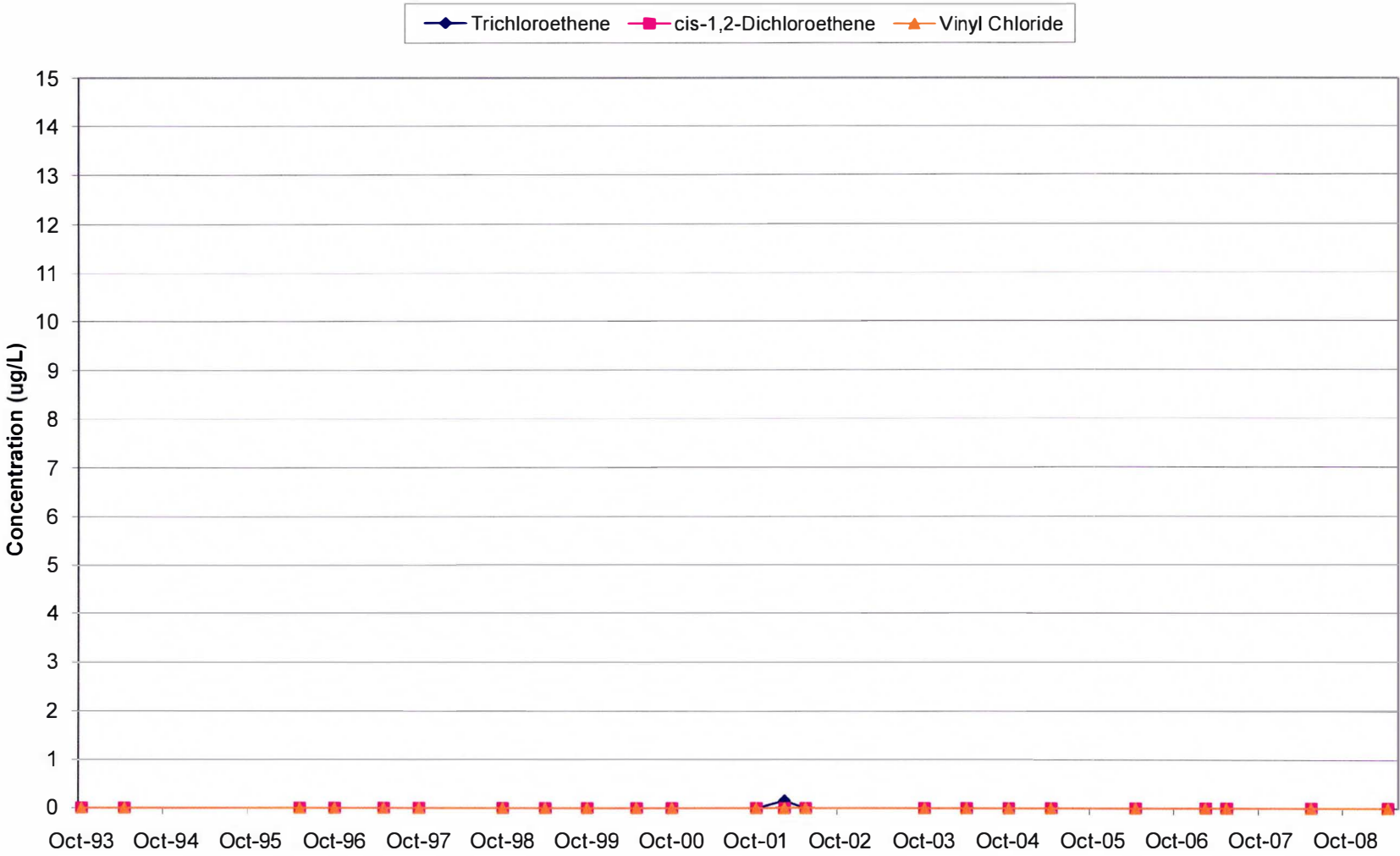


Chart 28: MW-102  
Layer 1 Well

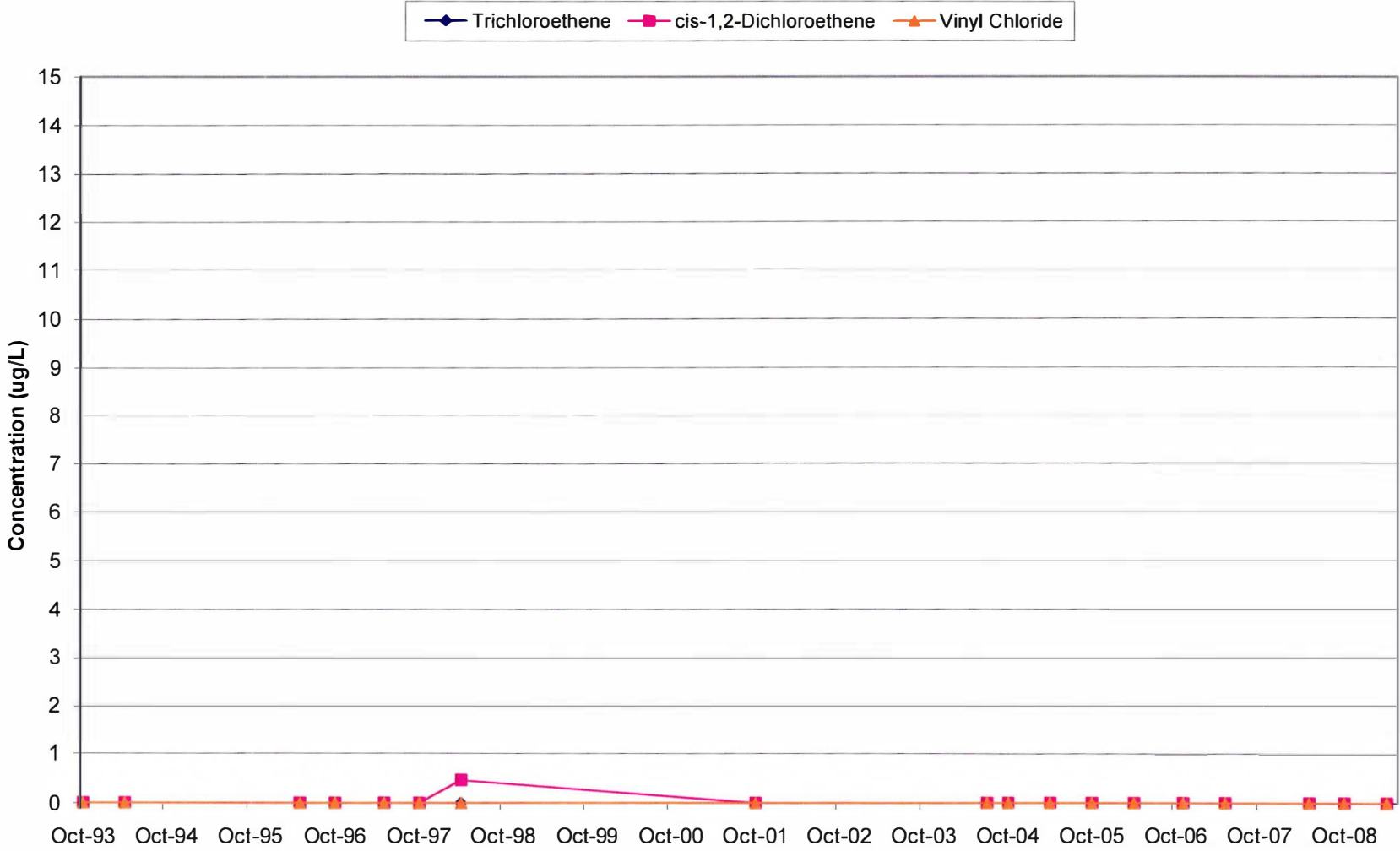


Chart 29: MW-103  
Layer 1 Well

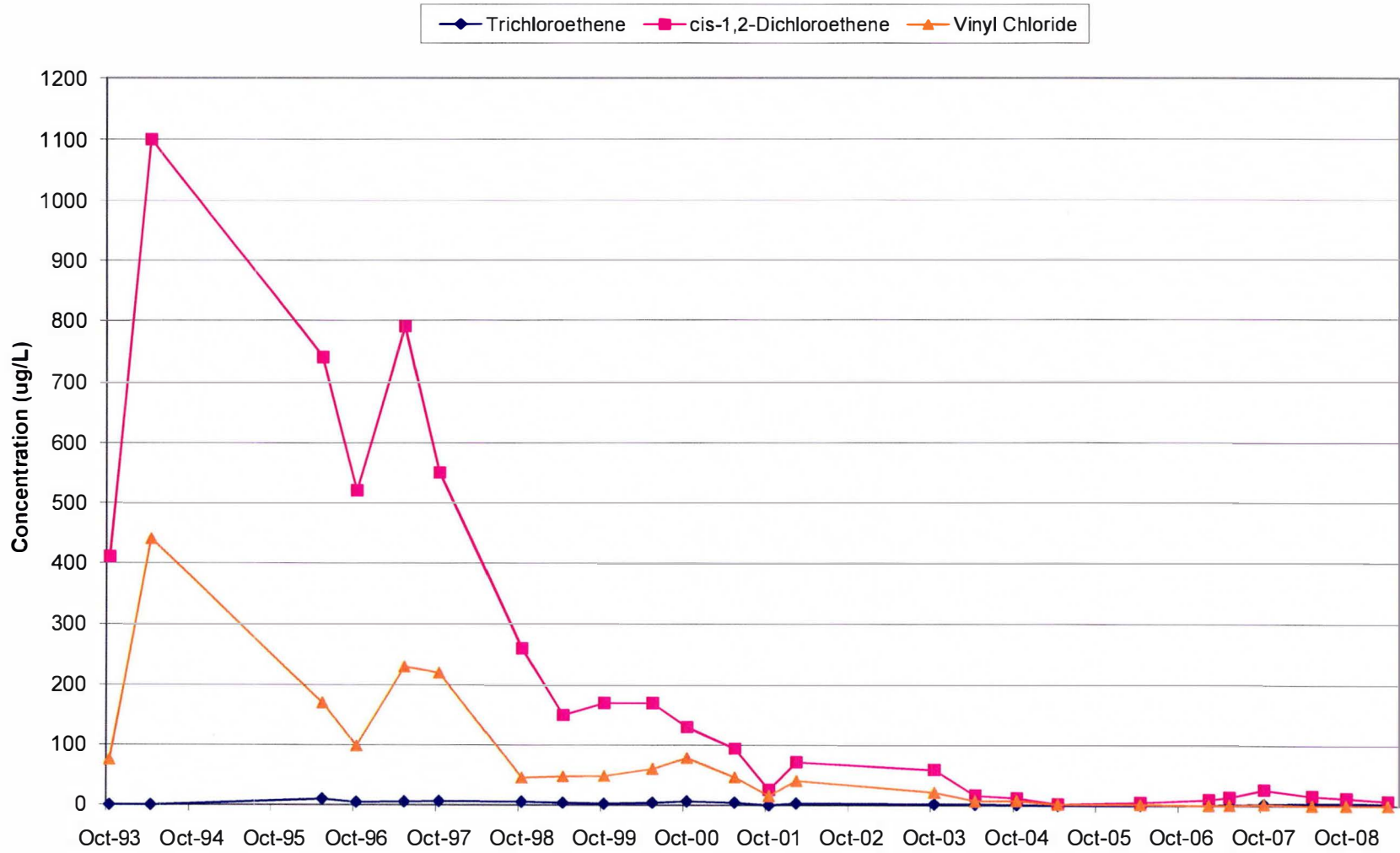
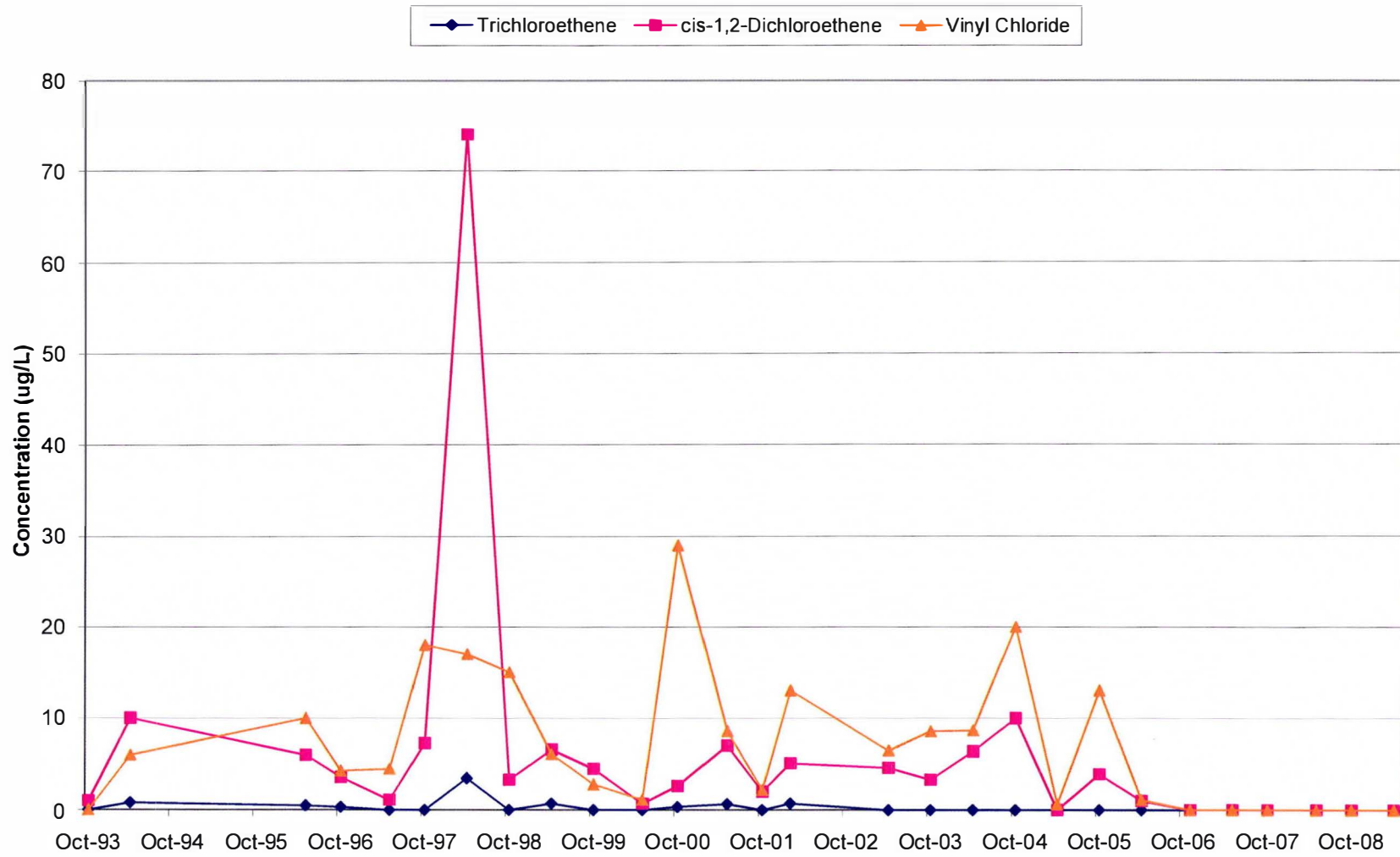


Chart 30: MW-104  
Layer 1 Well





**Chart 31: MW-106  
Layer 1 Well**

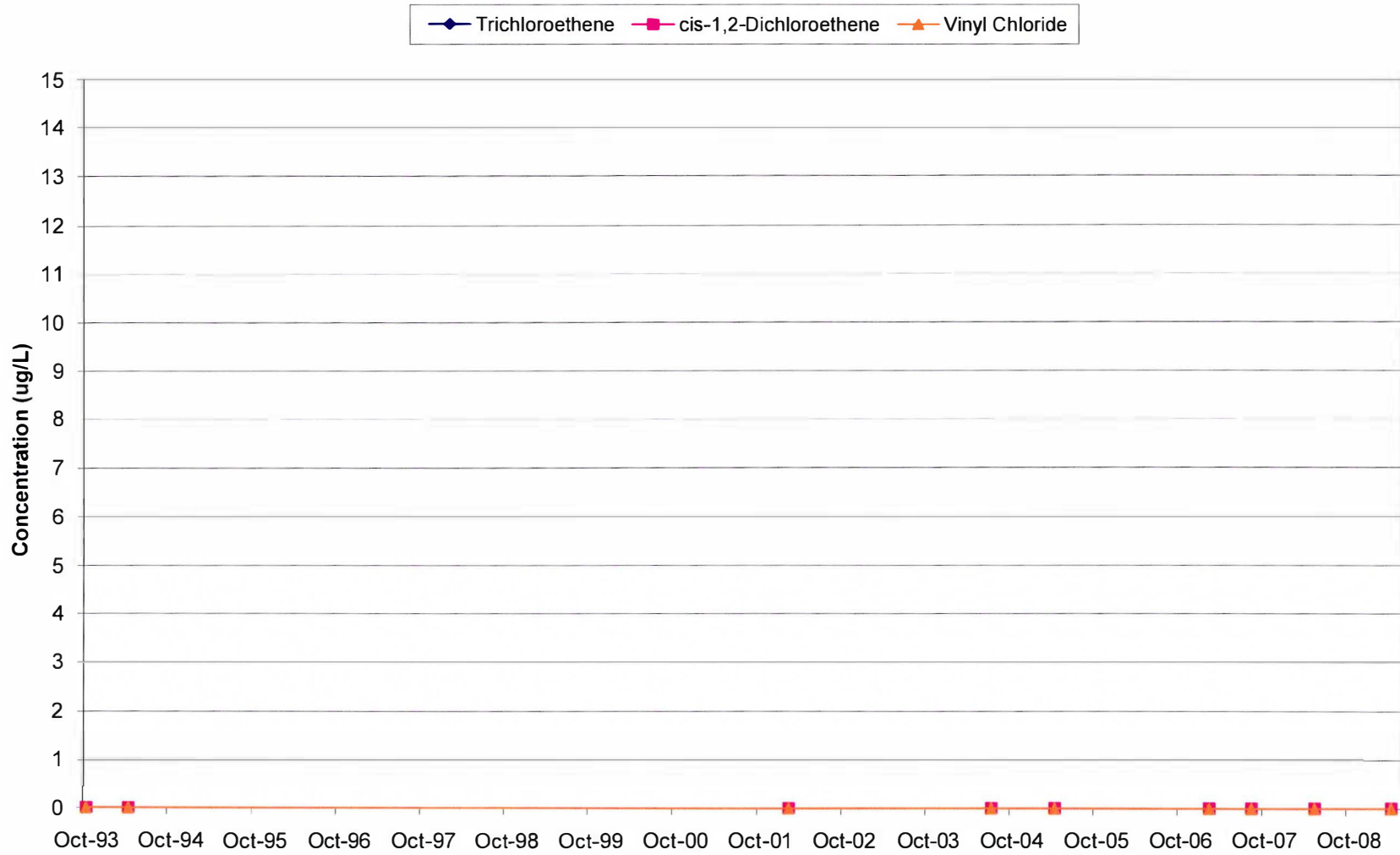


Chart 32: MW-107  
Layer 1 Well

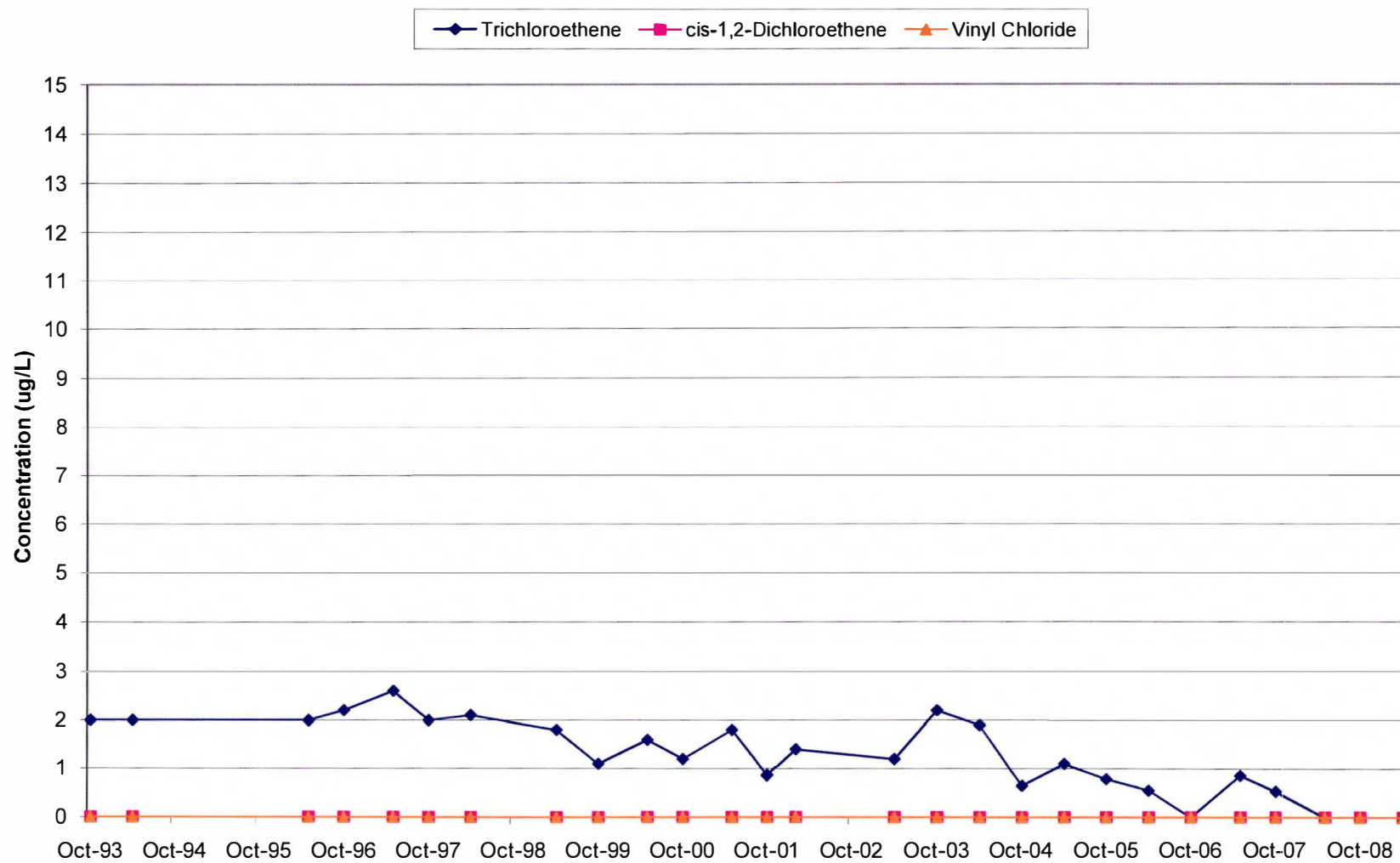


Chart 33: MW-108  
Layer 1 Well

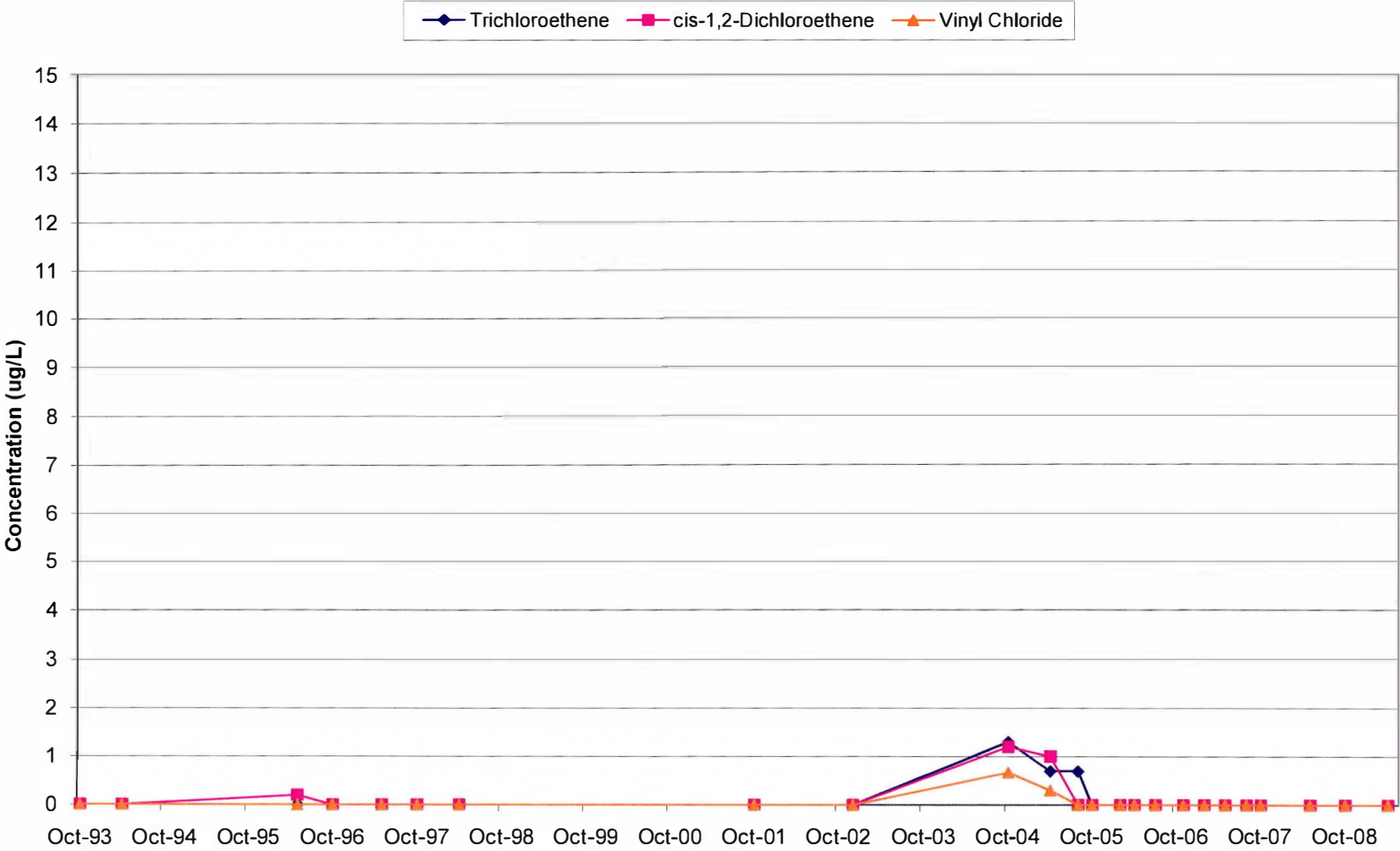




Chart 34: MW-111  
Layer 1 Well

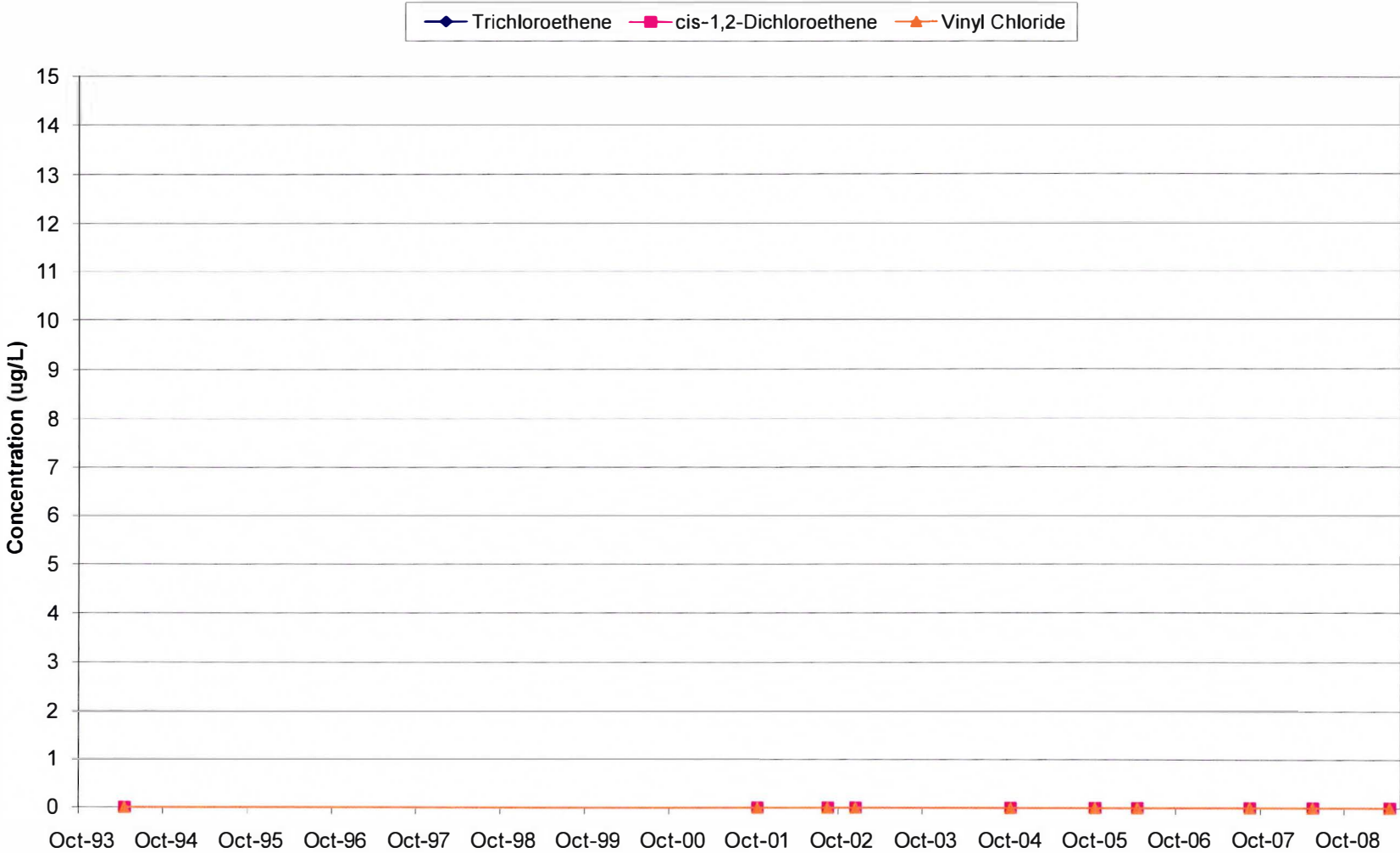


Chart 35: MW-112  
Layer 1 Well

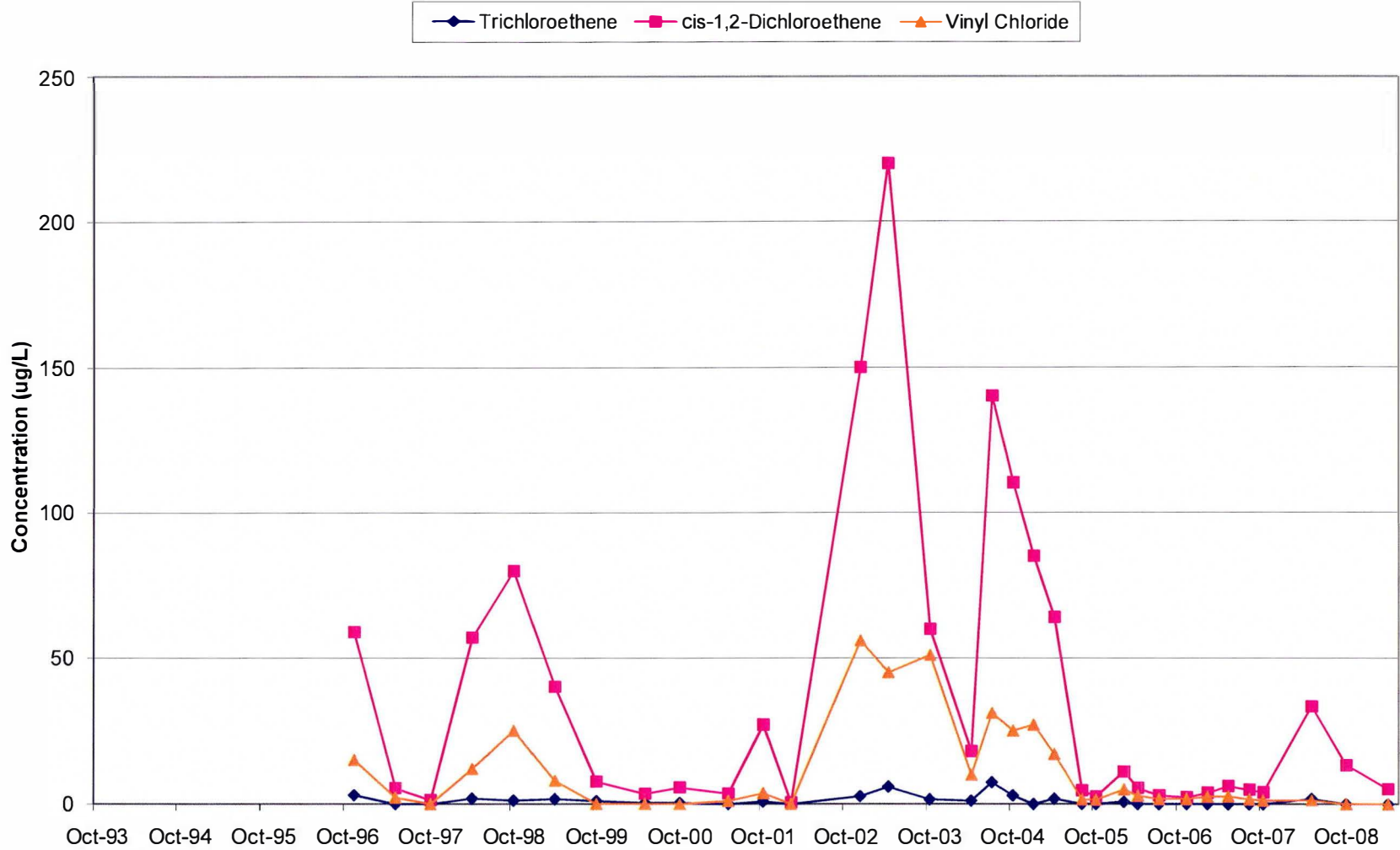


Chart 36: P-101  
Layer 2 Well

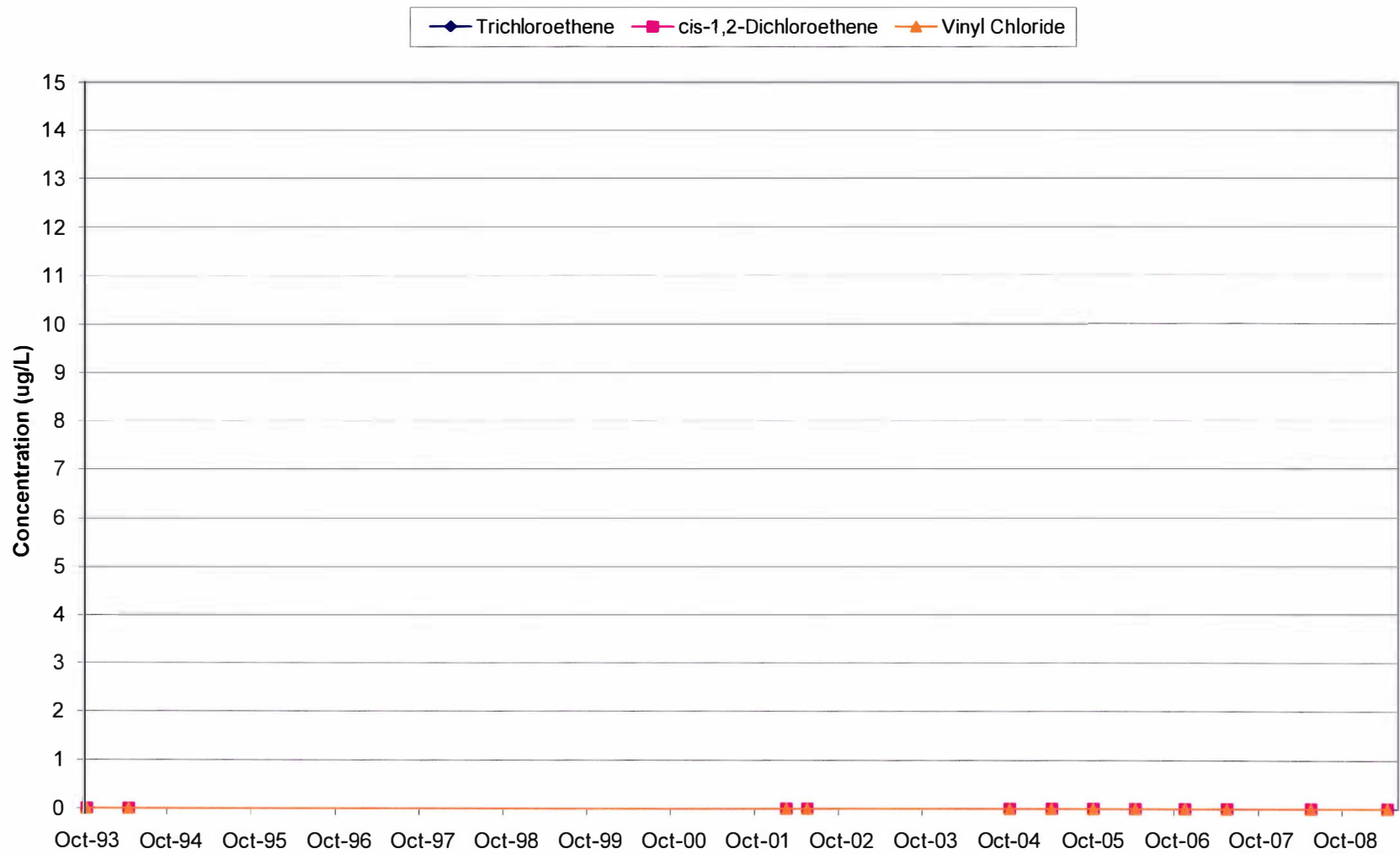




Chart 37: P-102  
Layer 2 Well

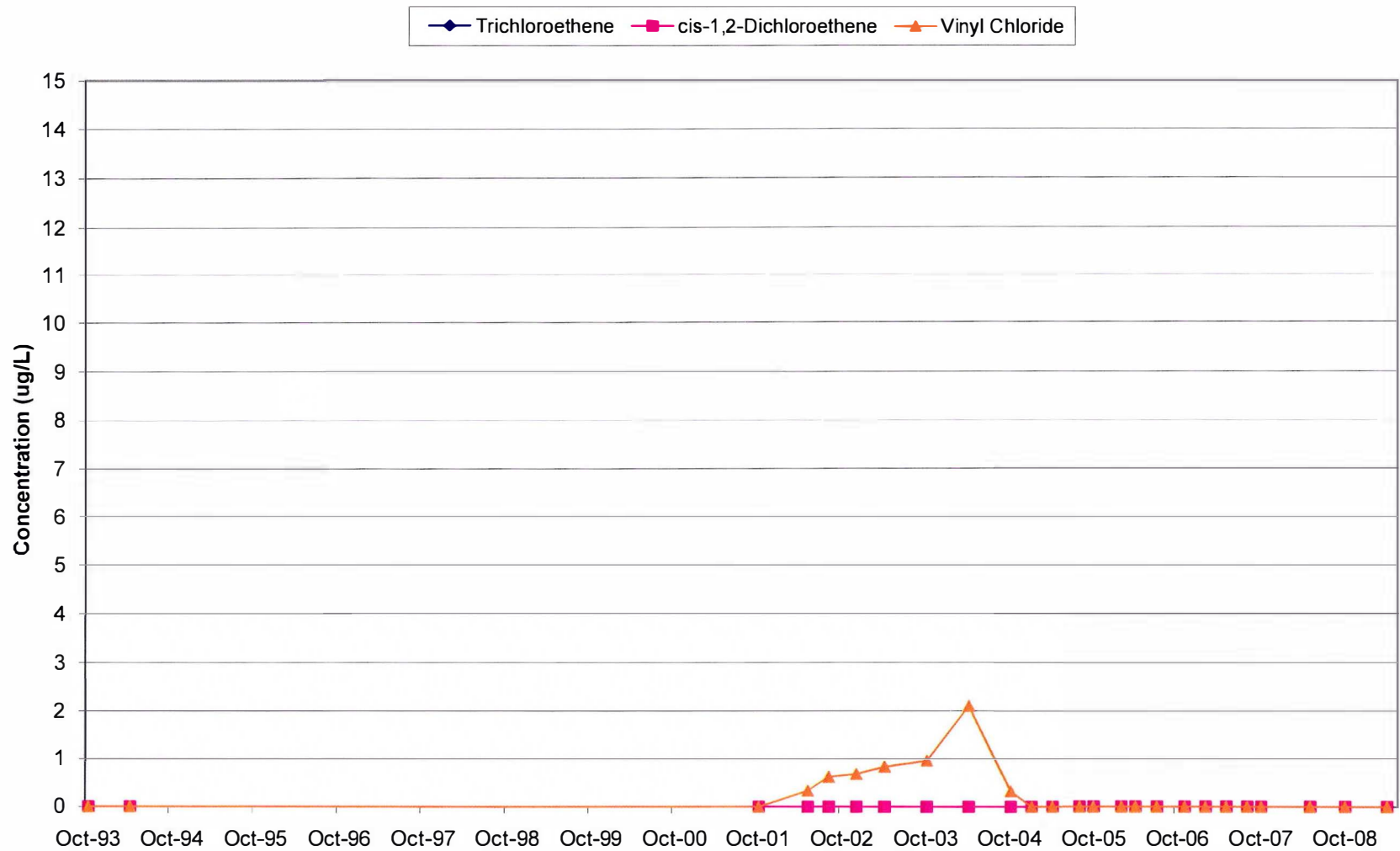
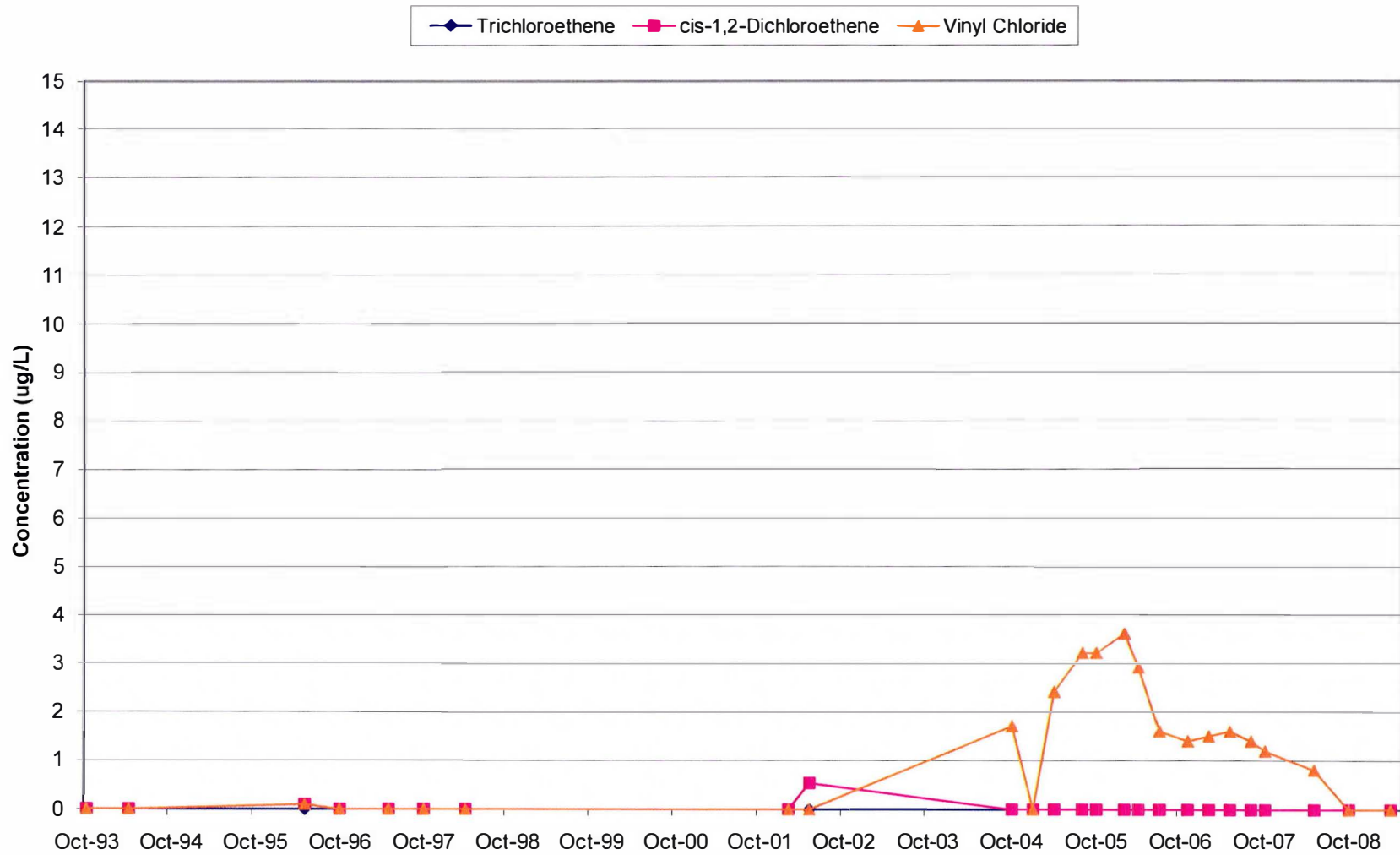


Chart 38: P-103  
Layer 2 Well



**Chart 39: P-104  
Layer 2 Well**

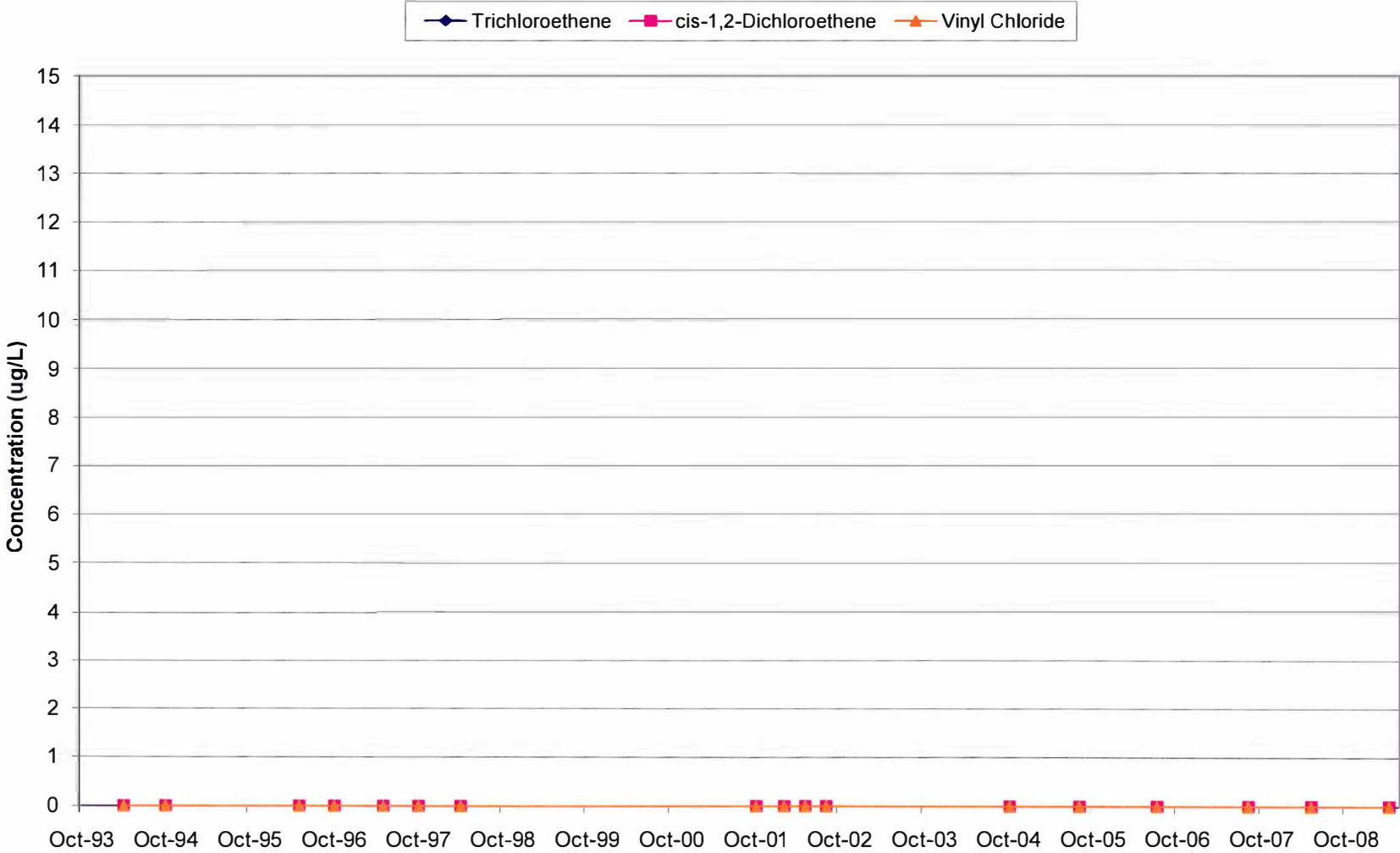




Chart 40: P-106  
Layer 2 Well

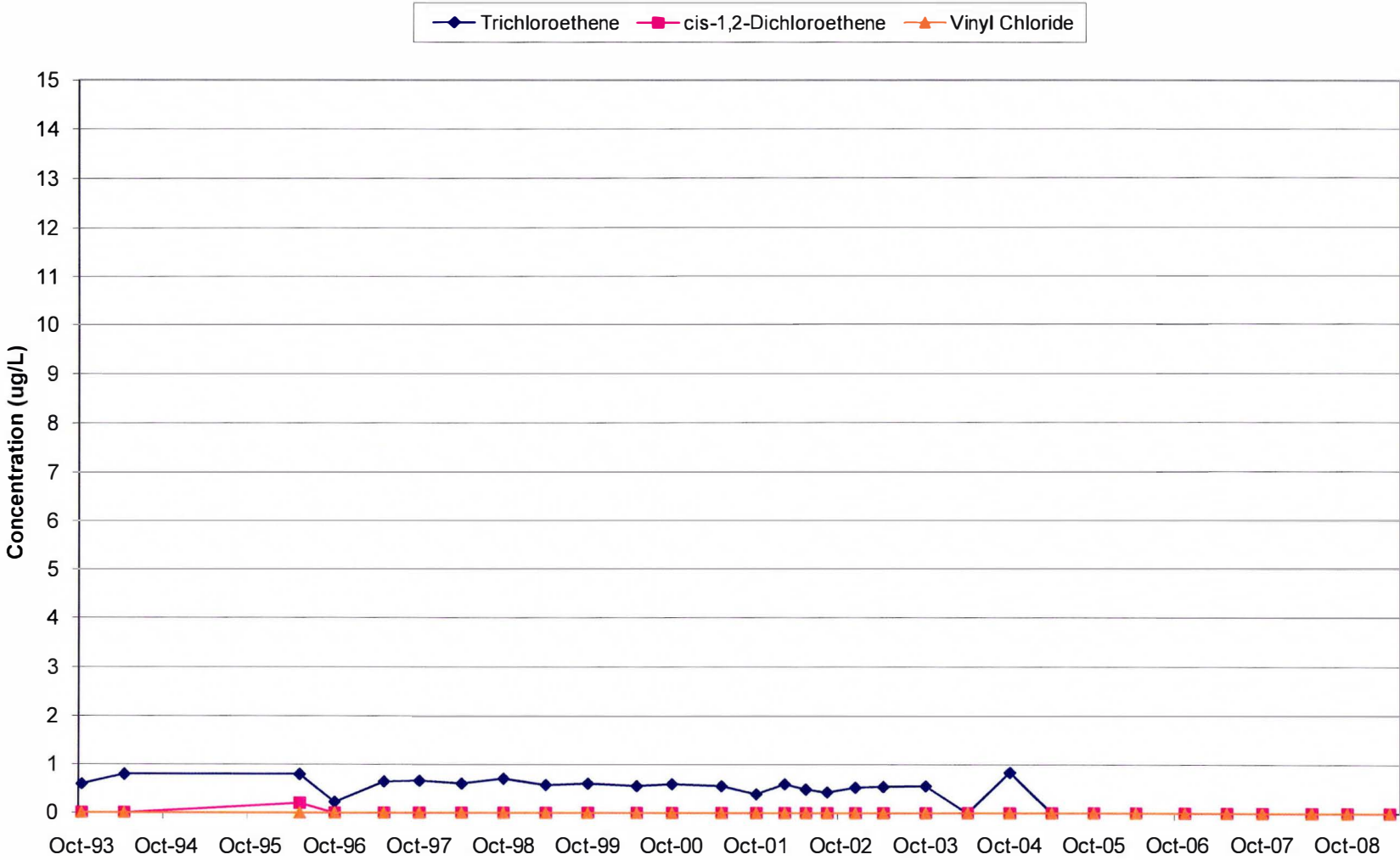


Chart 41: P-107  
Layer 2 Well

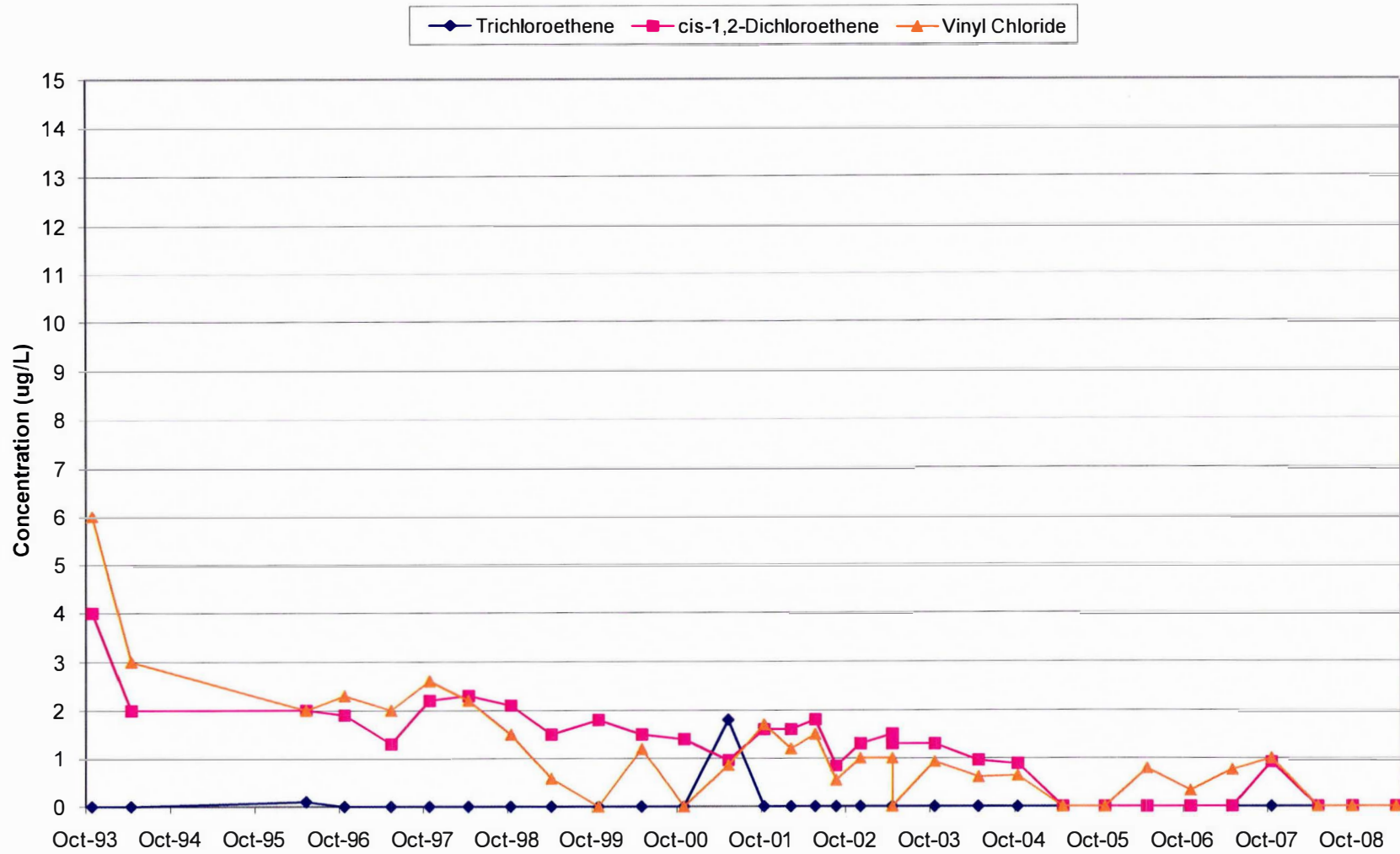


Chart 42: P-108  
Layer 2 Well

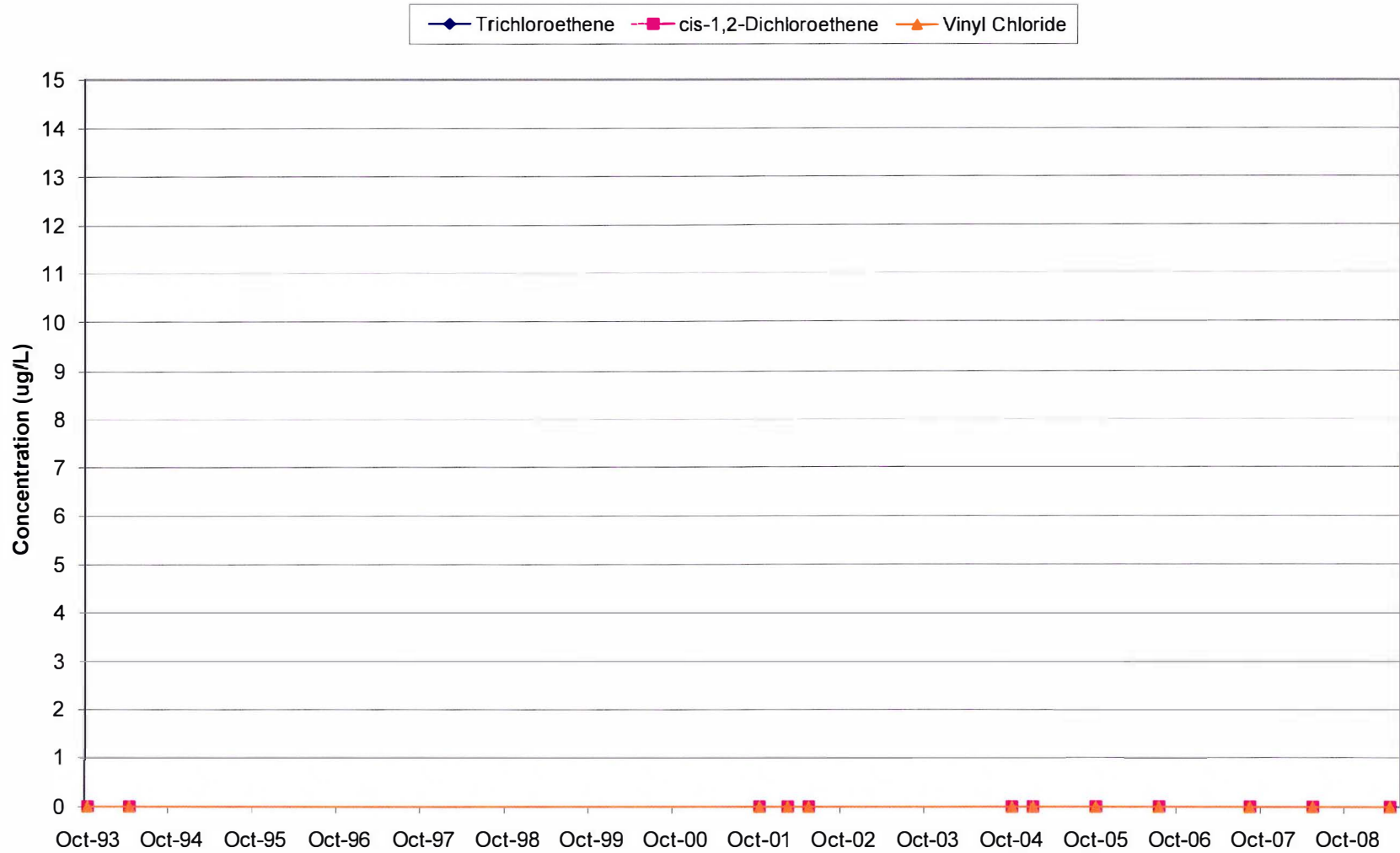




Chart 43: P-111  
Layer 2 Well

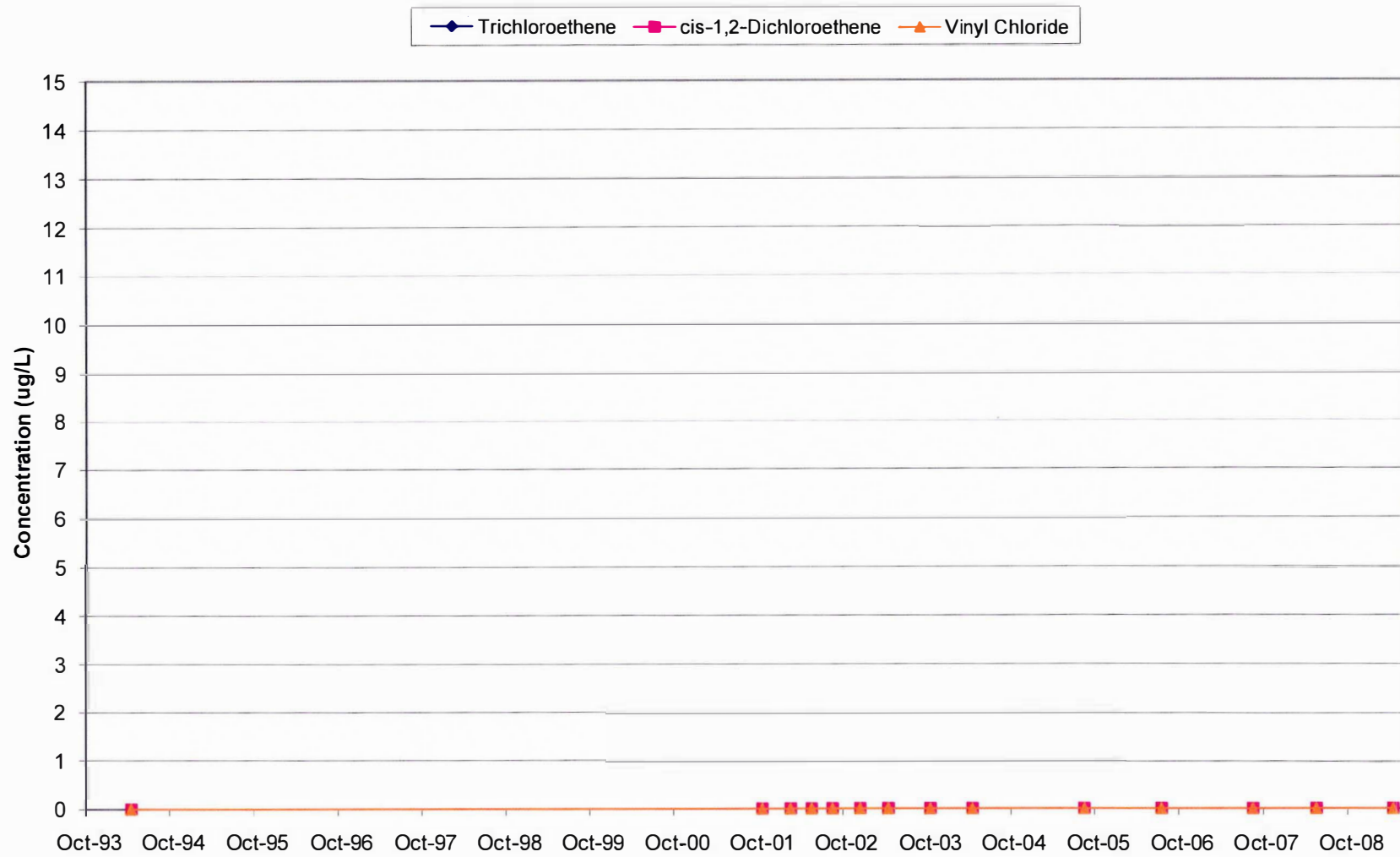


Chart 44: P-103D  
Layer 3 Well

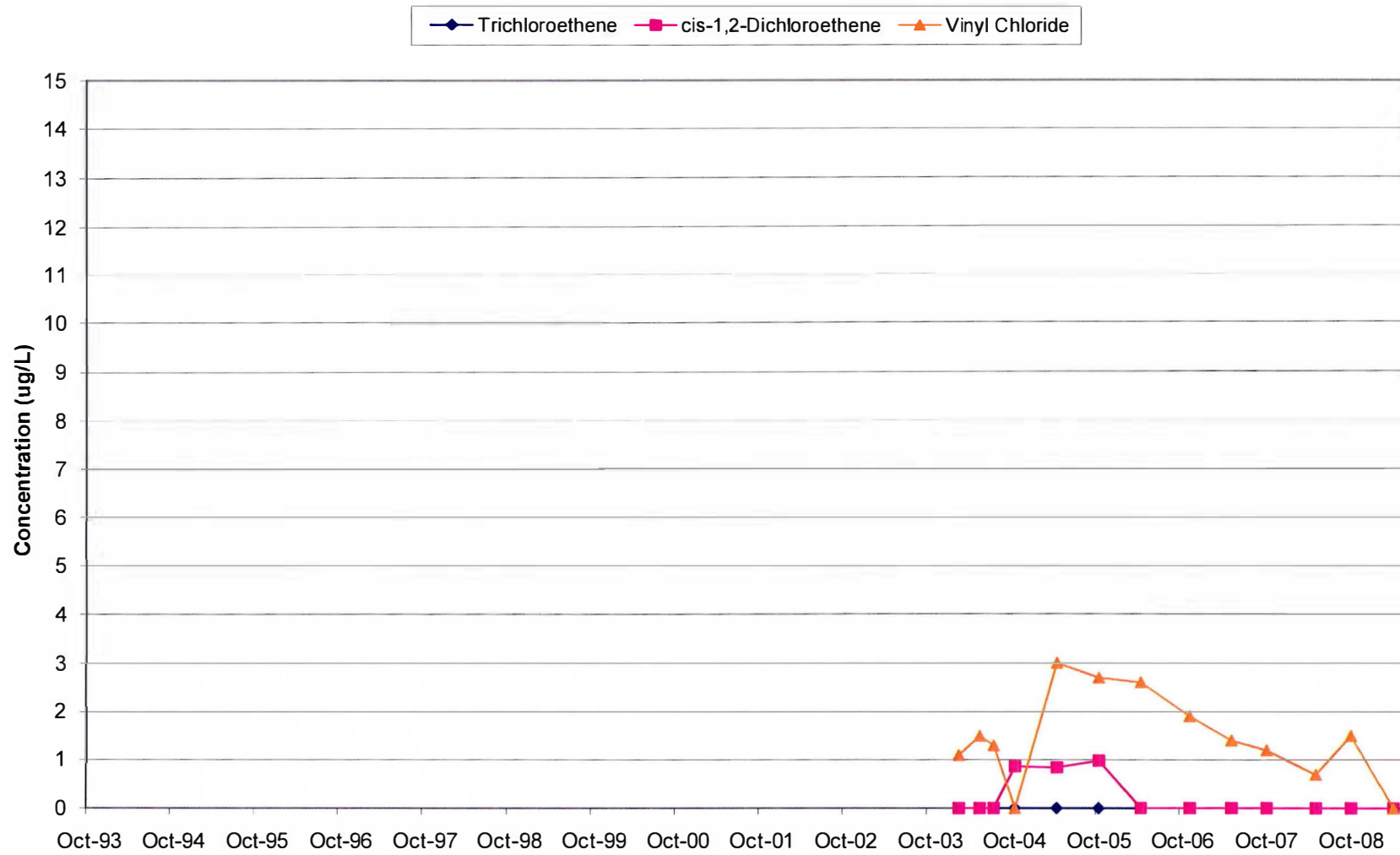


Chart 45: P-111D  
Layer 3 Well

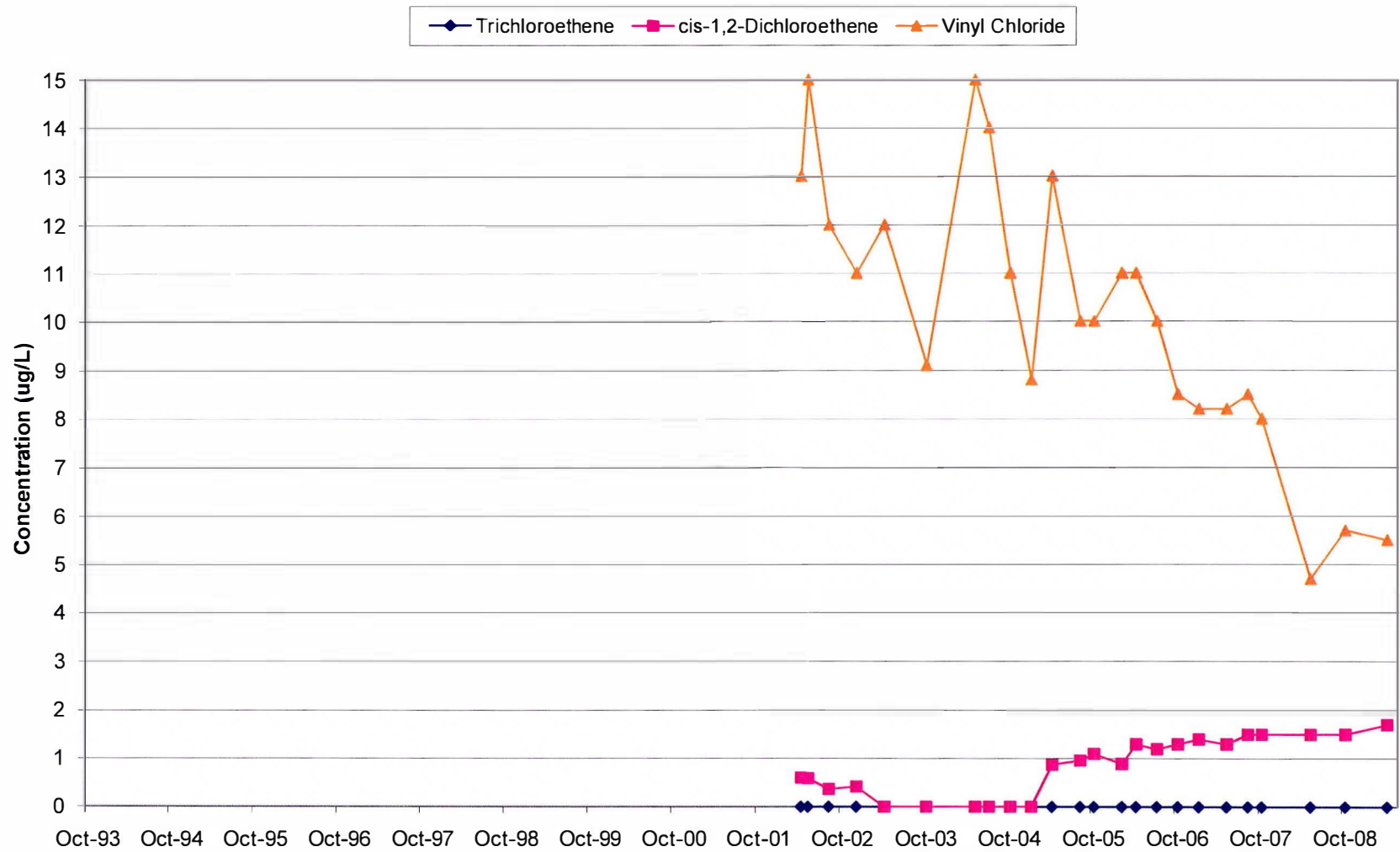




Chart 46: MW-3B  
Layer 3 Well

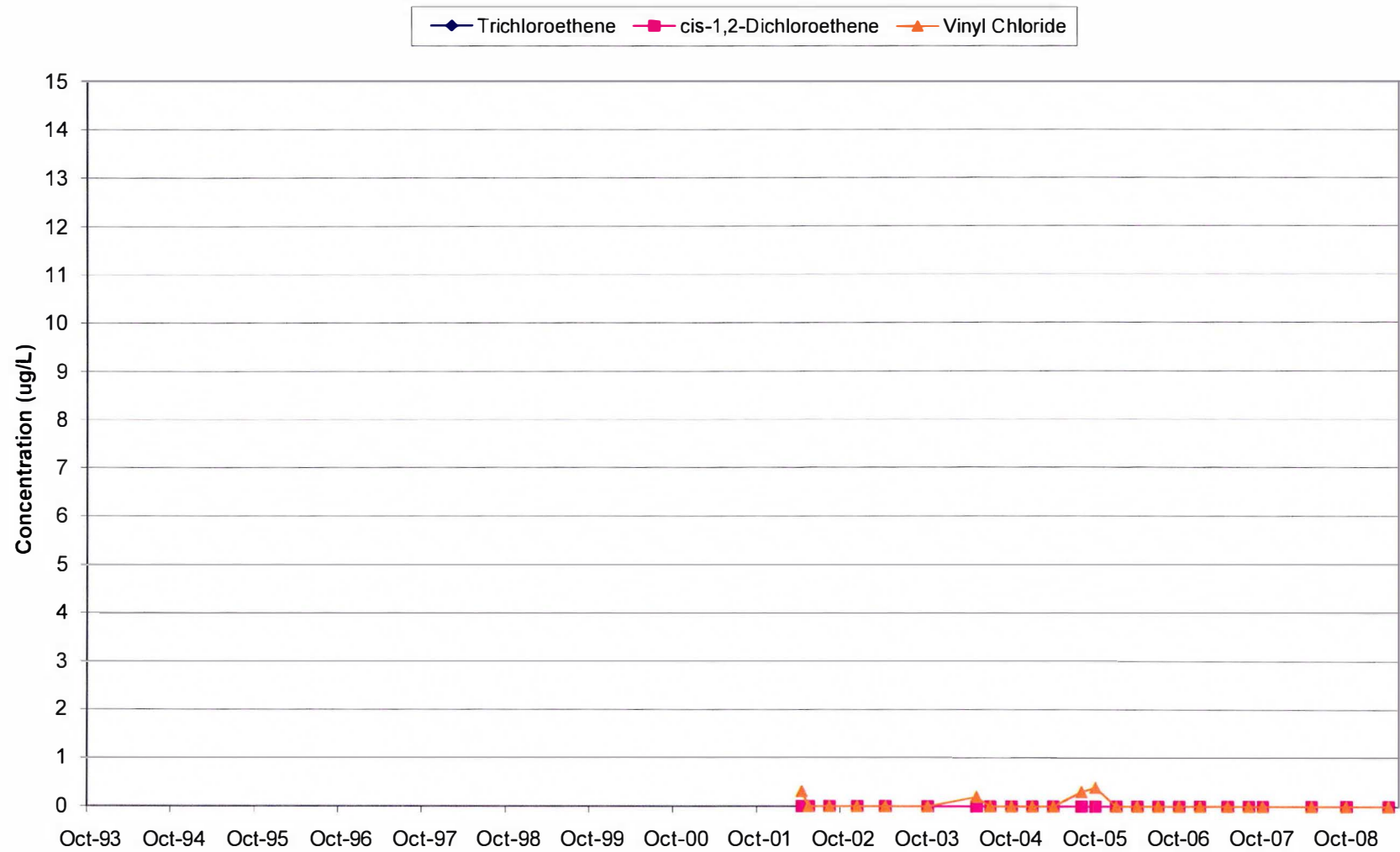


Chart 47: P-113B  
Layer 3 Well

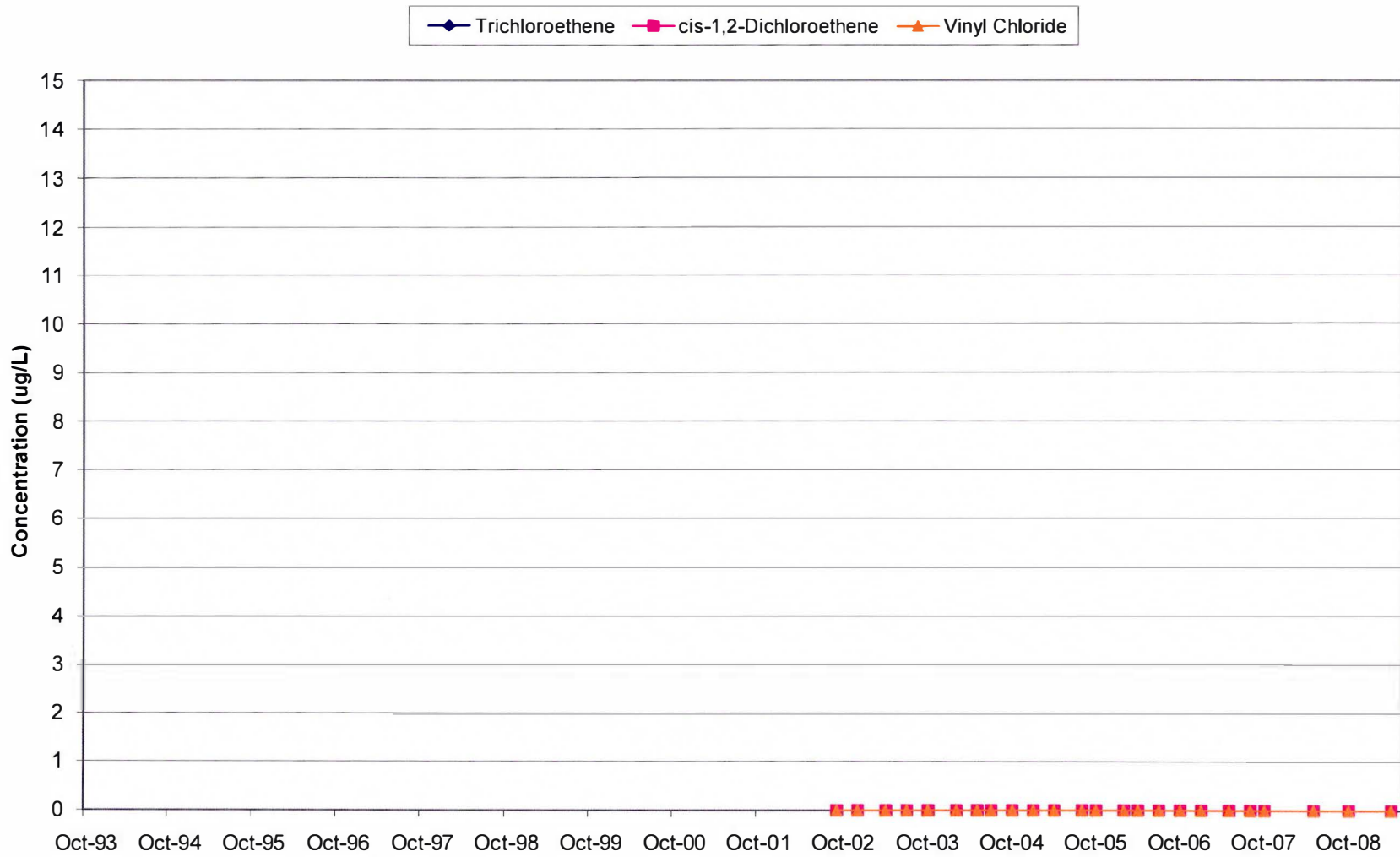
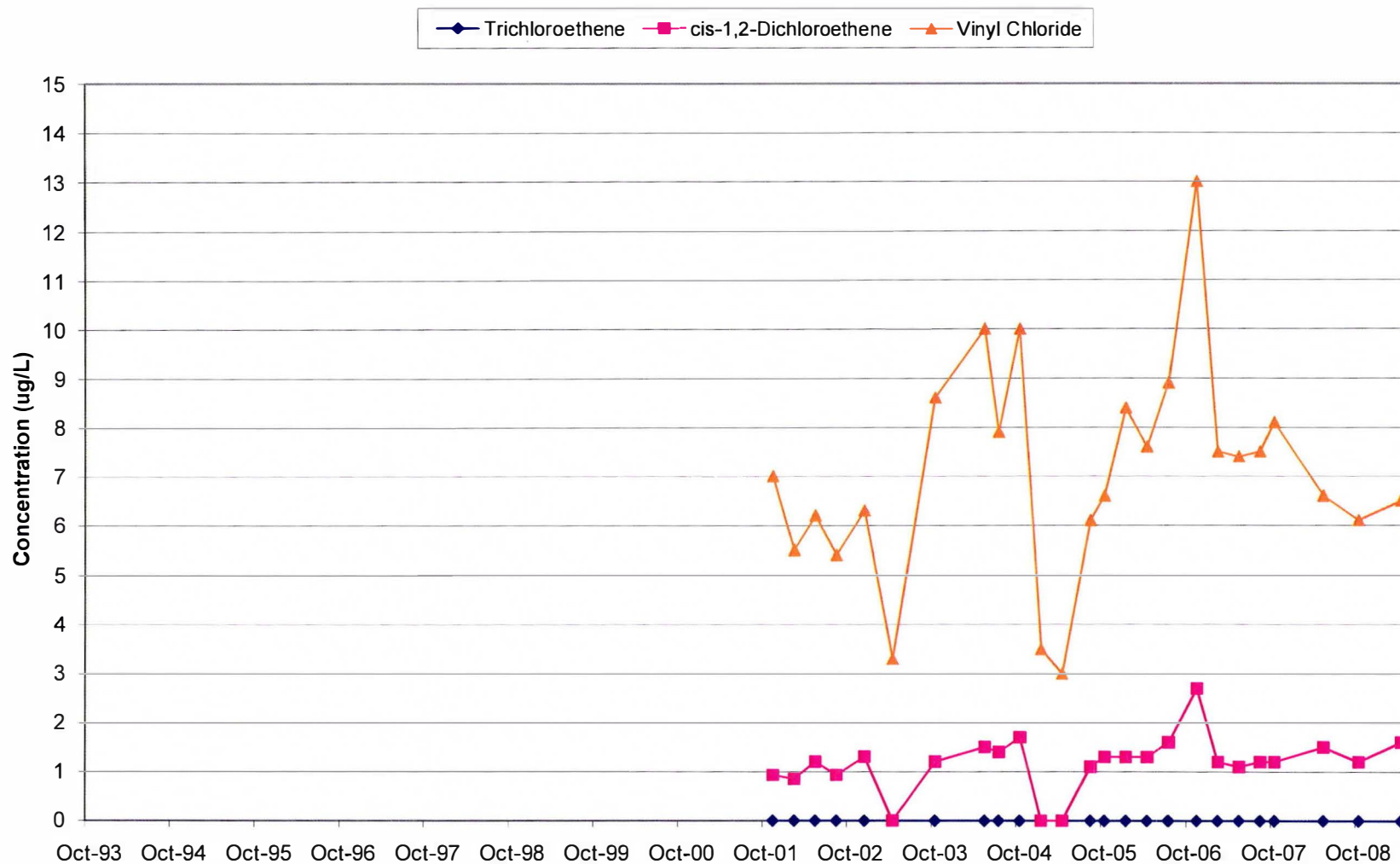


Chart 48: P-114  
Layer 3 Well



**Chart 49: P-115  
Layer 3 Well**

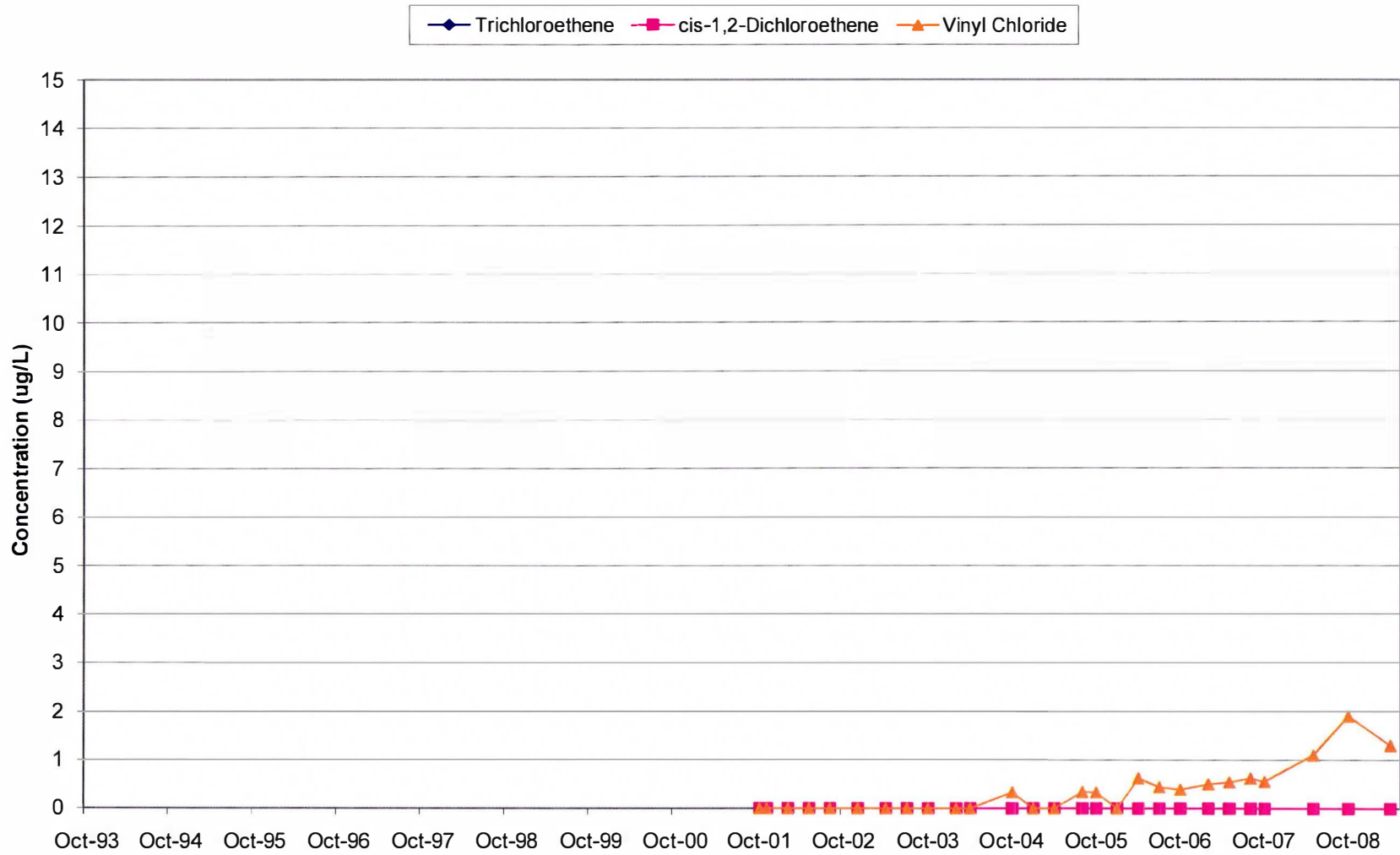




Chart 50: P-116  
Layer 3 Well

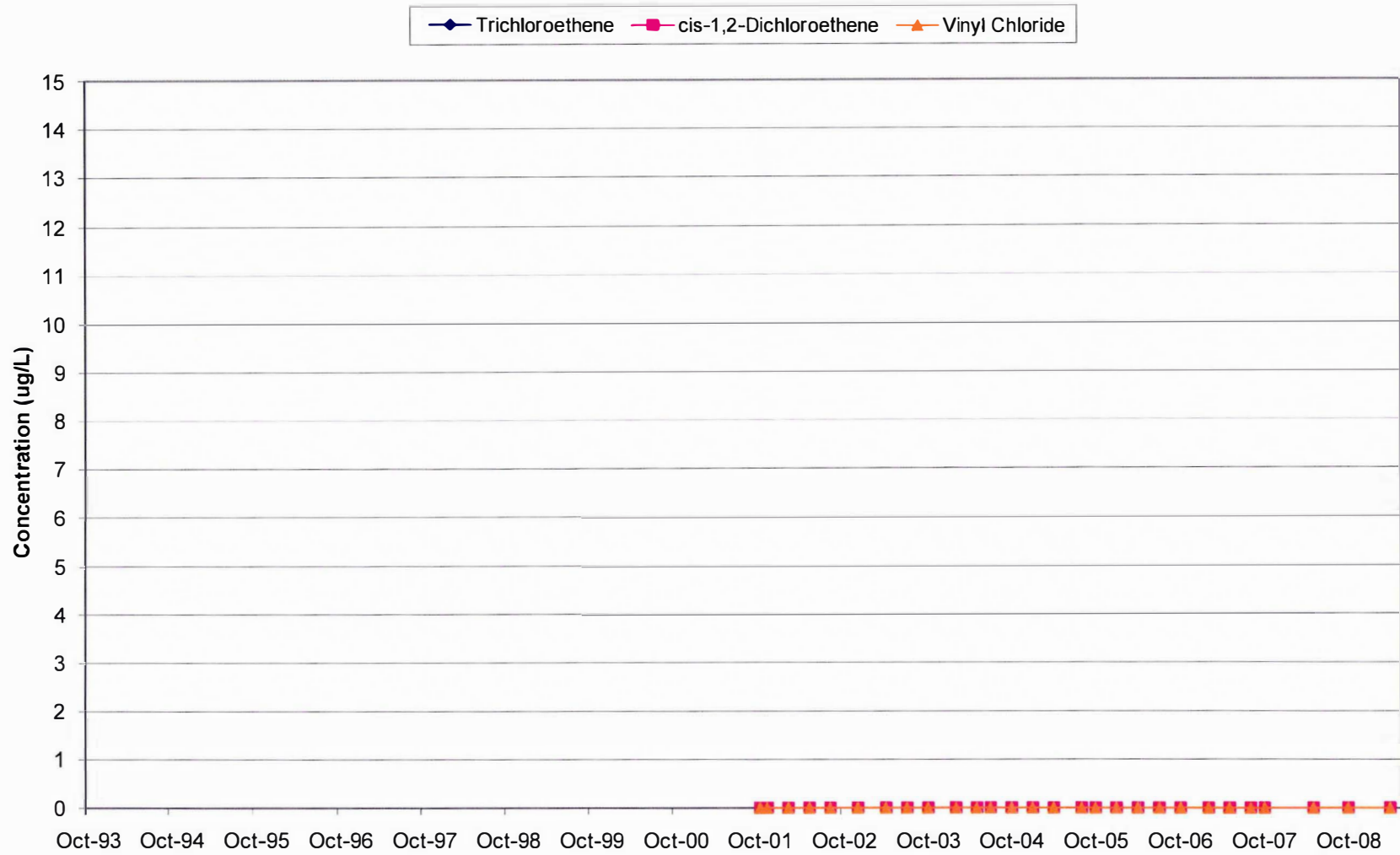


Chart 51: MW-3A  
Layer 4 Well

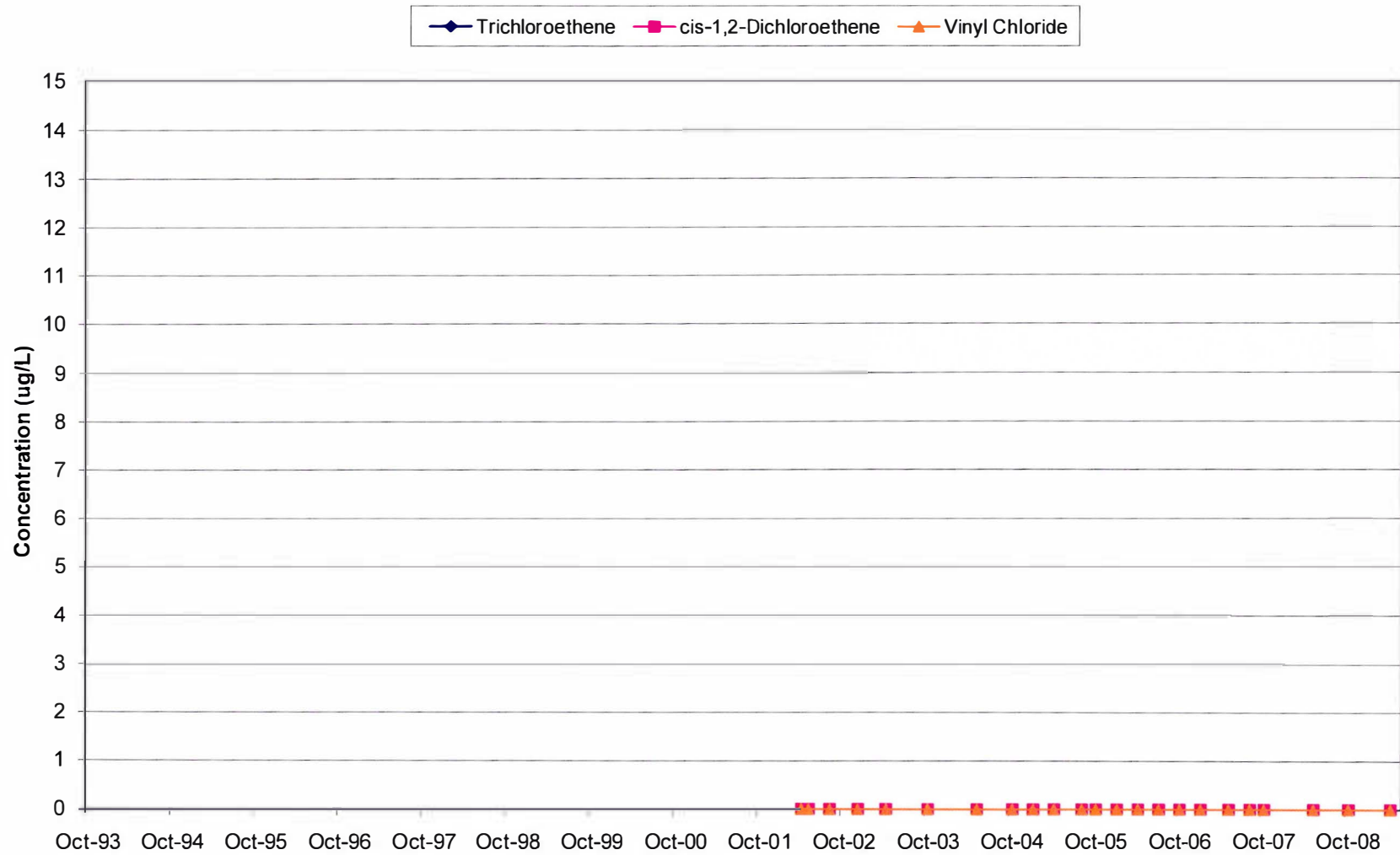


Chart 52: P-107D  
Layer 4 Well

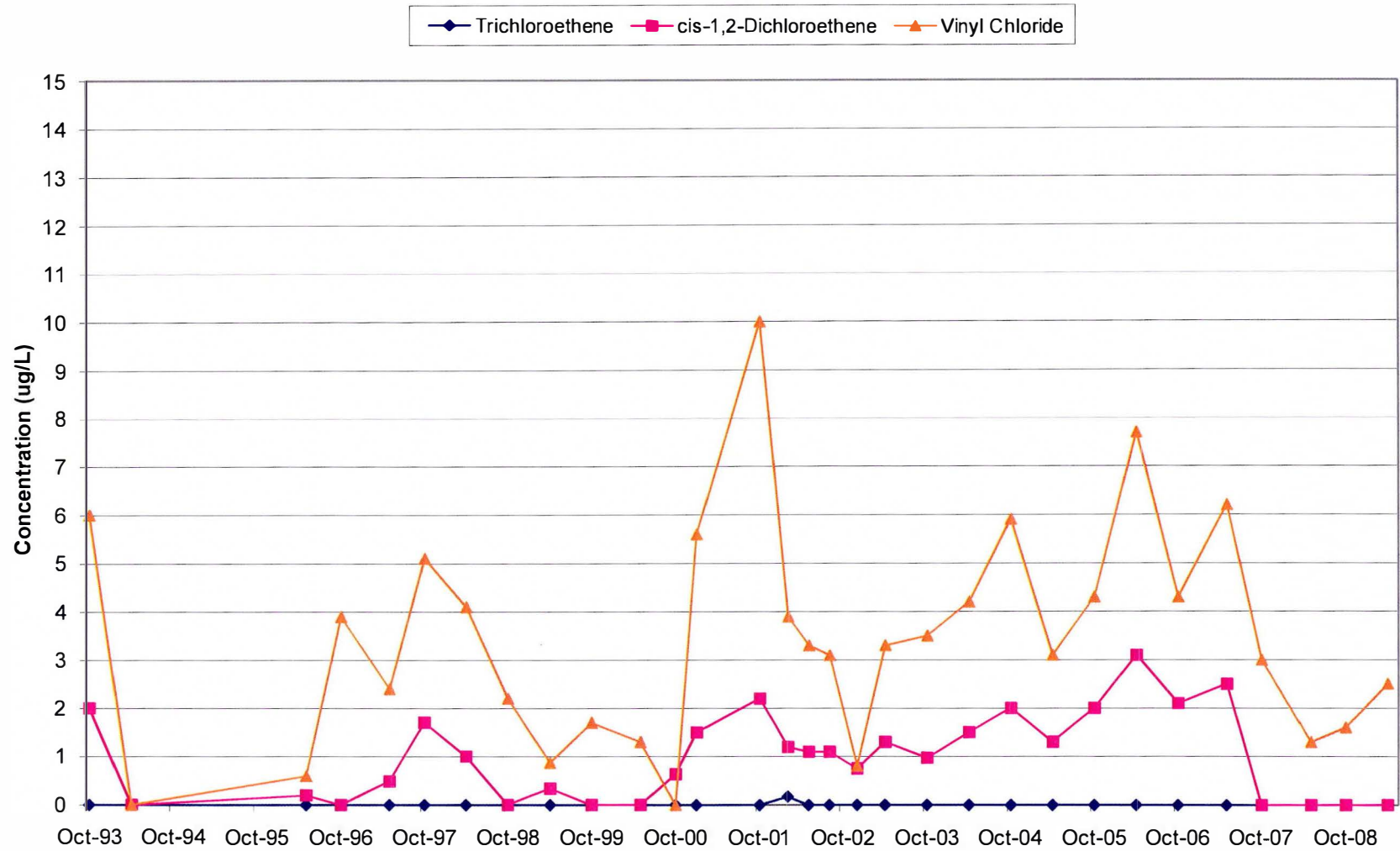
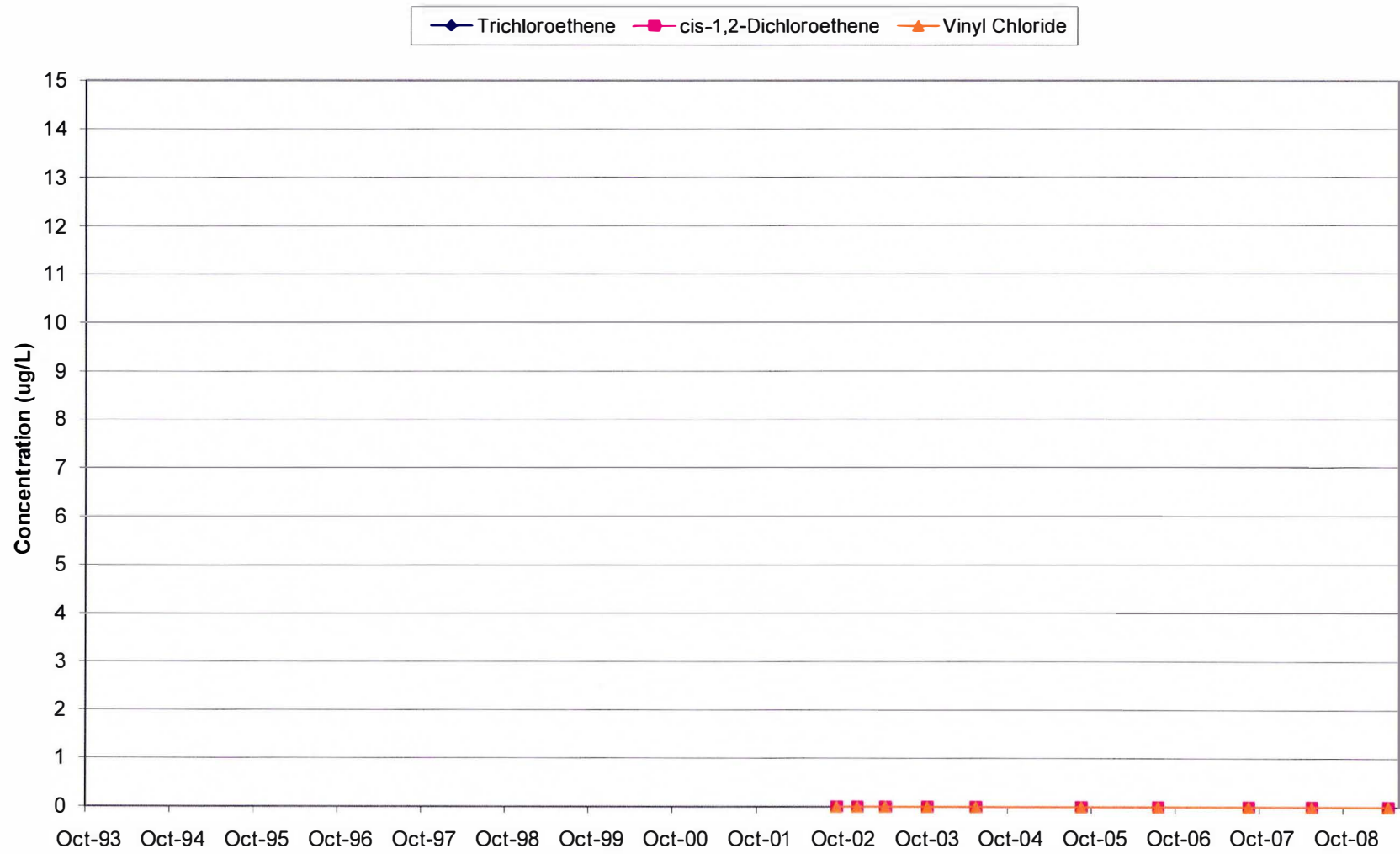


Chart 53: P-113A  
Layer 4 Well





**TABLES**

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

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

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

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

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

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

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



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

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

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

Well Name	TOC Elevation	Jul-08	Sep-08	Oct-08	Jan-09	Apr-09
MW-101	884.80	825.1	822.61	822.63	822.93	824.08
P-101	885.26	825.07	822.56	822.59	822.91	824.05
MW-102	843.05	825.36	822.77	822.83	823.4	824.49
P-102	842.99	825.34	822.74	822.81	823.5	824.57
MW-103	872.42	823.95	822.05	821.92	821.19	821.99
P-103	872.92	825.02	822.57	822.66	822.97	824.06
P-103D	873.08	824.425	822.145	822.265	822.475	823.545
MW-104	875.15	824.9	822.54	822.55	822.82	823.92
P-104	875.48	825.12	822.78	822.74	822.98	824.06
MW-106	878.90	824.98	822.7	822.75	823.31	824.41
P-106	878.91	825.25	822.63	822.64	823.25	824.37
MW-107	871.78	823.81	821.16	821.04	819.71	820.34
P-107	871.38	823.72	821.1	821.09	819.4	820.34
P-107D	871.98	823.25	820.9	820.87	820.81	822.24
MW-108	845.25	820.42	819.28	819.23	818.16	818.87
P-108	845.61	823.57	822.14	822.05	820.87	821.67
MW-111	856.46	821.08	819.77	819.75	818.21	818.88
P-111	856.13	820.72	819.35	819.23	817.77	818.41
P-111D	855.79	822.61	820.74	820.79	820.65	821.71
MW-112	874.55	822.76	821.08	820.99	820.08	820.83
P-113A	833.09	822.8	820.45	820.53	820.34	821.81
P-113B	833.10	821.79	820.09	820.1	819.84	820.96
P-114	839.35	821.45	819.79	819.83	819.5	820.51
P-115	842.71	821.635	819.965	819.975	819.655	820.725
P-116	845.34	820.385	816.805	818.705	818.375	819.155
MW-3A	850.77	823.87	821.57	821.62	821.62	822.96
MW-3B	851.04	823.53	821.48	821.5	821.51	822.66
LC1	876.15	NM	NM	NM	NM	NM
LC2	866.05	NM	NM	NM	NM	NM
LC3	877.34	NM	NM	NM	NM	NM

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

Sampling Point	Collection Date	Parameters																																		
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000					
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000					
MW-3A	04/04/2002	NR			NA																															
	05/22/2002	NR			NA																															
	08/20/02	NR																																		
	12/05/02	NR																																		
	04/22/03																																			
	10/22/03																																			
	05/11/04																																			
	10/14/04																																			
	01/27/05																																			
	04/26/2005																																			
	08/02/05																																			
	10/26/05																																			
	01/31/2006																																			
	04/24/06																																			
	07/27/06													0.35 Q																						
	10/31/06																																			
	01/31/07																																			
	5/1/2007																																			
	8/8/2007																																			
	10/19/2007																																			
5/6/2008																																				
10/1/2008																																				
4/7/2009																																				
MW-3B	04/04/2002	NR			NA																				0.38								0.31			
	05/22/2002	NR			NA																															
	8/20/2002	NR																							NA											
	12/5/2002	NR																																		
	4/22/2003																																			
	10/22/2003																																			
	5/11/2004																																		0.2 Q	
	07/22/2004																																			
	10/14/2004																																			
	1/27/2005																																			
	4/26/2005																																			
	8/2/2005																																		0.30 Q	
	10/26/2005																																	0.39 Q		
	01/31/2006																																			
	4/24/2006																																			
	7/27/2006													0.45 Q																						
	10/31/2006																																			
	1/31/2007																																			
	5/1/2007																																			
	8/8/2007																																			
10/19/2007																																				
5/6/2008																																				
10/1/2008																																				
4/7/2009																																				

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

Sampling Point	Collection Date	Parameters																																				
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane <sup>e</sup>	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-di chloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes						
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000							
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000							
MW-101	10/1/1993	NR																					0.7 J															
	04/1/1994	NR																					0.6 J															
	05/01/1996	NR																					0.6 J															
	10/01/1996	NR								0.89 J													0.72 J															
	05/01/1997	NR																																				
	10/01/1997	NR																					0.7															
	04/98*	NR																																				
	10/01/1998	NR																																				
	04/01/1999	NR																																				
	10/01/1999	NR																						0.7														
	05/01/2000	NR																					0.32															
	10/01/2000	NR																					0.38															
	05/01/2002	NR																					0.28															
	10/11/2001	NR																																				
	02/05/2002	NR				NA						0.19											0.32	NA			0.16											
	05/21/02 *			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	8/19/02 *			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	12/5/02 *			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	4/21/03 *			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	10/23/2003																																					
	4/28/2004																																					
	10/13/2004	11																																				
	4/27/2005																																					
	4/28/2006	18																																				
	11/1/2006*		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2/1/2007																																					
5/1/2007	2.4																																					
5/6/2008																																						
4/8/2009																																						
P-101	10/01/1993	NR																																				
	04/01/94	NR																								0.5 J												
	020/5/02	NR			NA																																	
	05/22/2002	NR			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																																						



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

Sampling Point	Collection Date	Parameters																																		
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane <sup>e</sup>	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000					
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000					
MW-102	10/26/1993	NR																																		
	04/11/1994	NR																																		
	05/08/1996	NR																							3											
	10/30/1996	NR																					0.30 J													
	05/12/1997	NR																																		
	10/26/1997	NR																																		
	04/13/1998	NR														0.46																				
	10/11/2001	NR																																		
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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																																				
P-102	10/26/1993	NR																																		
	04/11/1994	NR																																		
	10/11/2001	NR																																		
	05/21/2002	NR			NA																														0.33Q	
	08/20/2002	NR																							NA									0.62		
	12/04/2002	NR																																0.68		
	04/21/2003																																	0.83		
	10/22/2003																																	0.96		
	04/27/2004																																	2.1		
	10/14/2004																																	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 Q	
	11/1/2006																																			
2/15/2007																																				
5/2/2007																																				
8/14/2007																																				
10/16/2007																																			2.9 Q	
5/6/2008																																				
10/2/2008																																				
4/8/2009																																				

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

Sampling Point	Collection Date	Parameters																														
		Acetone	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
MW-103 <sup>2</sup>	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	
	05/01/96Dup	NR					8J			9 J					840	10J															180	
	10/01/1996	NR	3.3				8.1 J	1.9		1.1	0.76 J		0.99 J		0.30 J	520 E	5	1.9												4.7	98 E	
	05/01/1997	NR	4.3				8.5	2.7			0.98		1.2	0.52	0.75	790	4.7	1.6				0.27							5.6	230		
	10/01/1997	NR	4.2				7.9	2.4			1.4		0.89	0.38		550J	5.2	1.5				0.38		3.1				6.6		220J		
	04/98*	NR																														
	10/01/1998	NR	2					5.7								260	3.3											5.8			45	
	04/01/1999	NR	1.4					4.7								150	2.4											3.9			47	
	10/01/1999	NR						5.2								170	2.6											2.4			48	
	05/01/2000	NR	1.8					6.5								170	3.4											4.1			60	
	10/01/2000	NR	1.6					6.9	3.1		0.84		0.33			130	4.5	0.75										6.6			78	
	05/01/2001	NR	1.2					5.7	1.5		0.92					94	3.4	0.54				2.6L		1.1				4.5			46	
	10/11/2001	NR	1.1			80		2.6	0.62		0.54					25	2.7					6.4L			0.8						15	
	2/4/2002	NR	1.8			NA		6.4	1.1		0.81		0.36			71	5.5	0.53				0.28		0.13	NA	0.72		3.1			40	
	5/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/2003		0.8					1.3								58	1.9												1.7			21
	04/28/2004		0.61 Q			26		0.53								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 Q		0.62								5.2												0.48 Q			1.8	
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2/1/2007					6.1Q										10												0.82Q			0.34	
5/2/2007							1.7								14												1.7			0.75		
10/18/2007															26												2.8			2.2		
5/5/2008															15.7												3.4					
10/2/2008															12.3												3.8					
4/7/2009															7.7												3.1					

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

Sampling Point	Collection Date	Parameters																															
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
P-103	10/27/1993	NR																															
	04/12/1994	NR																															
	05/9/1996	NR													0.1J									0.1J							0.1J		
	10/31/1996	NR								0.84 J																							
	05/13/1997	NR																															
	10/27/1997	NR																															
	04/13/1998	NR																															
	2/4/2002	NR			NA																												
	05/21/2002	NR			NA																												
	10/13/2004									0.52 Q																						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 Q																							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																																	
10/2/2008 Dup																																	
4/7/2009																																	
P-103D	02/4/2004				NA																0.55Q			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 Q						0.86 Q																	
	04/26/2005															0.84 Q																3.0	
	10/26/2005															0.98 Q																2.7	
	10/26/2005															0.95 Q																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																															1.10	
	10/2/2008 Dup																															1.50	
4/7/2009																																	
4/7/2009 Dup																																	

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

Sampling Point	Collection Date	Parameters																																
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1,1-Dichloroethane	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes		
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000		
MW-104	10/27/1993	NR	2				2				2					1 JB									31									
	4/19/1994	NR	1				1				1					10																6.0		
	05/9/1996	NR	6				5	1			0.3 J		0.2 J			6	0.3 J		0.1 J						0.2 J							10		
	10/30/1996	NR	0.64 J				1.1	0.34 J			0.46 J					3.6	0.22 J		0.80 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							17	
	10/13/1998	NR	1.7									0.76				3.3																	15	4.1
	04/07/1999	NR	3.2					1.4								6.6																		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								29
	05/1/2001	NR	2.5					5.6				2	0.47			7					0.3	0.51L				0.81	0.13							8.6
	10/11/2001	NR	3.1					9.5				2.3				0.85	2									0.39L								2.2
	02/5/2002	NR	2.7			NA	0.16	8				2	0.19			5.1					0.2					NA	0.17							13
	05/21/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/2003		1.8			6.9Q		3.1								4.6																		6.5
	10/23/2003	3.2	4					7.8				1.8				3.3																		8.6
	04/28/2004		2.4					6				2.2 Q				6.4																		8.7
	10/13/2004		2.5					6.5				2.2 Q				10																		20
	4/27/2005		1.7					5.4				2.1 Q																						0.64
	10/25/2005		1.4					6.9				2.5 Q				3.9																		13
	4/25/2006		1.4			4.6 Q		4.9				2.2 Q				1.0 Q																		1.1
	11/2/2006		1.2 Q					4.8				1.7 Q																						
	11/2/2006 dup		1.3 Q					5																										
	5/2/2007		0.8 Q					4				2.0 Q																						
	10/18/2007		0.75 Q					6				2.0 Q																						
5/6/2008							3.3				1.8																							
10/1/2008							3.7				1.9																							
4/7/2009							3.5				2.3																							



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

Sampling Point	Collection Date	Parameters																																	
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000				
P-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																									
	5/21/2002	NR			NA																				NA										
	08/20/2002	NR																							NA										
	10/13/2004									0.45 Q																									
	10/13/04 Dup																																		
	8/3/2005																																		
	8/3/05 Dup																																		
	7/28/2006																																		
8/14/2007																																			
5/5/2008																																			
4/7/2009																																			
MW-106	10/11/1993	NR																																	
	04/01/1994	NR																																	
	02/04/02	NR			NA																			NA	0.25										
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	120/5/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	07/23/2004																																		
	4/27/2005																																		
	4/27/05 Dup																																		
	7/28/06*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	2/15/2007																																		
	8/14/2007																																		
4/30/2008																																			
4/8/2009																																			

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

Sampling Point	Collection Date	Parameters																															
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane <sup>e</sup>	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
P-106	10/01/1993	NR																									0.6J						
	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																					0.6						
	02/05/02 Dup	NR				NA																			NA		0.6						
	05/22/2002	NR				NA																					0.49						
	05/22/02Dup	NR				NA																					0.47 Q						
	08/20/2002	NR																								NA	0.43 Q						
	12/4/2002	NR																									0.53						
	04/22/2003																										0.55 Q						
	10/21/2003																										0.56						
	10/21/03 Dup																																
	4/27/2004																																
	10/13/2004																																
	4/27/2005											0.9																0.84 Q					
	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																																	

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

Sampling Point	Collection Date	Parameters																															
		Acetone	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
MW-107	10/27/1993	NR																															
	4/12/1994	NR																															
	5/9/1996	NR																															
	10/21/1996	NR																															
	5/13/1997	NR																															
	10/27/1997	NR																															
	4/14/1998	NR																															
	10/13/98*	NR																															
	4/6/1999	NR																															
	10/27/1999	NR																															
	5/2/2000	NR																															
	10/31/2000	NR																															
	5/31/2001	NR																															
	10/11/2001	NR																															
	2/4/2002	NR				NA							0.35																				
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003																																
	10/21/2003																																
	4/27/2004																																
	10/13/2004																																
	4/27/2005																																
	10/27/2005																																
	4/25/2006																																
	10/31/2006																																
5/1/2007																																	
10/17/2007																																	
5/5/2008																																	
10/1/2008																																	
4/7/2009																																	

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

Sampling Point	Collection Date	Parameters																														
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-107	10/27/1993	NR														4															6	
	4/12/1994	NR														2									0.7J						3	
	4/12/94 Dup	NR														2									0.7J						3	
	5/9/1996	NR	0.1 J						0.2 J							2									0.1 J		0.1 J				2	
	10/23/1996	NR							0.19							1.9															2.3	
	10/23/96 Dup	NR							0.21							2.1															2.7	
	5/14/1997	NR														1.3																2
	5/14/97 Dup	NR														1.1																1.7
	10/27/1997	NR														2.2																2.6
	10/27/97 DUP	NR														1.8																2.3
	4/14/1998	NR														2.3																2.2
	4/14/98 Dup	NR														2.3																2.4
	10/14/1998	NR														2.1									0.2							1.5
	10/14/98 DUP	NR														2.4																1.7
	4/6/1999	NR														1.5																0.58
	10/27/1999	NR														1.8																
	10/27/99 Dup	NR														1.8																
	5/2/2000	NR														1.5																1.2
	5/02/00 Dup	NR														1.6																1.2
	10/31/2000	NR														1.4																
	10/31/00 Dup	NR														1.4																
	5/9/2001	NR														0.96												1.8				0.85
	5/9/2001 Dup	NR														0.97						0.52L			0.72							0.86
	10/11/2001	NR														1.6						0.49L			0.79							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							0.54Q
	12/4/2002	NR														1.3																1
	4/21/2003															1.5 Q																1
	04/21/2003															1.3 Q																
	10/21/2003															1.3																0.93
	4/27/2004															0.96 Q																0.61
	10/13/2004															0.89 Q																0.64
	10/13/04 Dup															1.1 Q																
	4/27/2005																															
10/27/2005																																
4/25/2006																															0.79	
10/31/2006																															0.33Q	
5/1/2007																															0.76	
10/19/2007															0.92 Q																1	
5/5/2008																																
10/1/2008																																
4/7/2009																																



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

Sampling Point	Collection Date	Parameters																														
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-107D	10/27/1993	NR														2B															6	
	4/13/1994	NR																														
	5/9/1996	NR	0.1J													0.2J								0.3J							0.6J	
	10/23/1996	NR														0.44J															3.9	
	5/14/1997	NR														0.49															2.4	
	10/27/1997	NR														1.7															5.1	
	4/14/1998	NR														1															4.1	
	10/14/1998	NR																													2.2	
	4/6/1999	NR														0.34															0.87	
	10/27/1999	NR																													1.7	
	5/2/2000	NR																													1.3	
	10/31/2000	NR														0.64																
	01/05/2001	NR		0.33												1.5					0.44L			0.72B							5.6	
	10/11/2001	NR														2.2															10	
	2/4/2002	NR			NA											1.2								NA			0.17				3.9	
	02/04/02 Dup	NR														1.2															3.9	
	5/21/2002	NR			NA											1.1								NA							3.3	
	8/20/2002	NR														1.1								NA							3.1	
	12/4/2002	NR														0.75															0.81	
	4/21/2003															1.3 Q															3.3	
	10/21/2003															0.97															3.5	
	4/27/2004															1.5 Q															4.2	
	10/13/2004								1.2 Q		0.93					2.0 Q															5.9	
	4/27/2005															1.3 Q															3.1	
	4/27/05 Dup								1.9 Q							2.5															6.2	
	10/27/2005								1.2 Q							2.0 Q															4.3	
	4/25/2006								2.3 Q							3.1						0.68 L									7.7	
	10/31/2006								2.0 Q							2.1 Q															4.3	
	5/1/2007								1.6Q							2.5Q															6.2	
	5/1/2007 Dup								1.6Q							2.9															6.7	
10/19/2007																														3		
5/5/2008																														1.3		
10/1/2008																														1.6		
4/7/2009																														2.5		

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

Sampling Point	Collection Date	Parameters																																
		Acetone	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes		
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000			
MW-108	10/18/1993	NR																							11									
	4/13/1994	NR																							2									
	5/8/1996	NR													0.2 J										0.2 J									
	10/23/1996	NR								0.85 J																								
	5/12/1997	NR																																
	10/27/1997	NR																																
	4/14/1998	NR																																
	10/11/2001	NR																				0.34L												
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002	NR																																
	10/14/2004															1.2 Q												1.3 Q					0.67	
	4/27/2005															1.0												0.7					0.3	
	8/3/2005																											0.70 Q						
	10/25/2005																																	
	02/01/2006																																	
	4/28/2006																																	
	7/27/2006										0.36 Q																							
	11/2/2006																																	
	2/1/2007																																	
5/2/2007																																		
8/14/2007																																		
10/16/2007																																		
5/6/2008																																		
10/2/2008																																		
4/8/2009																																		

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

Sampling Point	Collection Date	Parameters																																	
		Acetone <sup>†</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000				
P-108	10/25/1993	NR																																	
	10/25/93 Dup	NR																																	
	4/13/1994	NR																																	
	4/13/94 Dup	NR																																	
	10/11/2001	NR																			0.32L														
	2/5/2002	NR			NA																														
	5/21/2002	NR			NA																			NA											
	10/14/2004									0.45 Q																									
	1/28/2005																																		
	10/25/2005																																		
	7/27/2006									0.75 Q																									
	8/14/2007											2.7 Q																							
5/6/2008																																			
4/8/2009																																			
MW-111	4/19/1994	NR																																	
	10/11/2001	NR																			0.30L														
	05/21/2002*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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																																			

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

Sampling Point	Collection Date	Parameters																														
		Acetone	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-111	4/19/1994	NR																							2							
	10/11/2001	NR																														
	2/5/2002	NR			NA																				NA							
	5/22/2002	NR			NA																				NA							
	8/19/2002	NR																							NA							
	08/19/02 Dup	NR																							NA							
	12/5/2002	NR																														
	12/05/02 Dup	NR																														
	4/22/2003																															
	10/22/2003																															
	4/28/2004																															
	8/3/2005																															
	7/27/2006																															
	8/8/2007																															
5/5/2008																																
4/7/2009																																
P-111D	4/4/2002	NR													0.6										0.3						13	
	5/22/2002	NR			NA										0.59 Q									NA							15	
	8/19/2002	NR													0.37 Q									NA							12	
	12/5/2002	NR													0.42 Q																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 Q																	1.6 Q						11	
	1/27/2005																														8.8	
	4/26/2005							3.7							0.87 Q																13	
	4/26/05 Dup							3.5																							13	
	8/3/2005										2.9 Q				0.96 Q																10	
	10/26/2005							3.1 Q							1.1 Q																10	
	10/26/2005							2.7 Q							0.93 Q																10	
	02/01/2006							4.2							0.89 Q																11	
	4/24/2006							2.8 Q							1.3 Q																11	
	7/27/2006										0.30 Q				1.2 Q																10	
	10/31/2006							1.4 Q							1.3 Q																8.5	
	1/31/2007							3.0 Q							1.4 Q																8.2	
	5/1/2007							3.1 Q							1.3 Q																8.2	
	8/8/2007							2.9 Q							1.5 Q																8.5	
10/17/2007							2.7 Q							1.5 Q																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		



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

Sampling Point	Collection Date	Parameters																														
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane <sup>e</sup>	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
MW-112	11/27/1996	NR	0.6J					2J								59	1J														15	
	11/27/96 Dup	NR	0.7J					2J								58	1J														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														12	
	10/13/1998	NR	0.76													80															25	
	4/6/1999	NR	0.72					1.4								40	0.56														7.9	
	10/27/1999	NR														7.6																
	5/2/2000	NR	0.46													3.4																
	10/30/2000	NR						0.37								5.6																
	5/9/2001	NR	0.42					0.42								3.5																
	10/11/2001	NR	0.36					0.39	0.53							27																0.98
	2/4/2002	NR	0.23			NA		0.48								0.49									NA							3.7
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002																150															
	4/22/2003		1.2 Q					7.4 &								220	4.5 Q															56
	10/22/2003	2.5	0.88					5.9								60	1.4															45
	4/28/2004		0.53 Q					0.45	4							18																51
	4/28/04 dup	6.5	0.61 Q					0.48	4.7							22																9.3
	07/23/2004	110	1.1						23							140	2.6	0.58					1									31
	10/13/2004		1.0 Q					0.42	14							110	2.4 Q															25
	10/13/04 Dup		0.87 Q						15							94	2.1 Q							0.60								29
	1/26/2005		0.76 Q						20							85	2.3 Q															27
	4/26/2005		0.6 Q						13							64	1.2 Q															17
	8/3/2005							0.48								4.6																1.5
	10/25/2005															2.5 Q																1.4
	02/01/2006		0.41 Q					0.45	3.2 Q							11																4.9
	4/25/2006							0.48	0.97							5.4																2.8
	7/27/2006							0.43								2.9																1.7
	7/27/2006 dup															0.52 Q																1.5
	11/2/2006															2.3 Q																1.7
	2/1/2007							0.46Q	1.4Q							3.8																2.5
5/2/2007							0.53Q	1.3Q							6.1																2.6	
8/14/2007							0.51 Q								4.4																1.8	
8/14/2007 dup							0.51 Q								4.9																1.6	
10/18/2007							0.49 Q								4																1.2	
5/5/2008															33.3																1.3	
10/2/2008															13.3																	
4/7/2009															5.1																	

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

Sampling Point	Collection Date	Parameters																																	
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000				
P-113A	9/12/2002	NR							0.37Q															1.0Q											
	12/3/2002	NR																																	
	4/23/2003																																		
	10/22/2003																							2.2											
	5/11/2004																																		
	8/2/2005																																		
	7/27/2006									0.84																									
	8/8/2007																																		
	5/6/2008																																		
4/6/2009																																			
P-113B	09/11/2002 <sup>3</sup>	NR							1										0.41Q					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 Q																									
	1/27/2005																																		
	4/27/2005																																		
	8/2/2005																																		
	10/26/2005									0.42 Q																									
	02/01/2006																																		
	4/24/2006																																		
	7/27/2006									0.49 Q																									
	10/31/2006																																		
	1/31/2007																																		
	5/1/2007																																		
	8/8/2007																																		
10/19/2007																																			
5/6/2008																																			
10/1/2008																																			
4/6/2009																																			
4/6/2009 Dup																																			

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

Sampling Point	Collection Date	Parameters																				Vinyl Chloride	Total Xylenes									
		Acetone	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride			MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-114 (former Ehster well)	11/19/2001	NR														0.93															7	
	2/5/2002	NR														0.85															5.5	
	5/22/2002	NR														1.2															6.2	
	8/21/2002	NR														0.93															5.4	
	12/3/2002	NR														1.3								0.400							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 Q															10	
	07/22/2004															1.4 Q																7.9
	10/13/2004										0.39 Q					1.7 Q																10
	1/27/2005																															3.5
	4/26/2005																															3.0
	8/2/2005																1.1 Q															6.1
	10/26/2005																0.84															6.6
	10/26/2005																0.49															6.9
	01/31/2006																1.3 Q															8.4
	4/24/2006																1.3 Q															7.6
	4/24/2006 dup																1.3 Q															7.9
	7/27/2006																0.48 Q															8.9
	7/27/2006 dup																0.38 Q															8.7
	11/2/2006																2.7 Q															13
	11/02/2006 dup																2.7 Q															13
	2/1/2007																1.2 Q							0.460								7.5
	2/1/2007 dup																1.4 Q															8.5
	5/1/2007																1.1 Q															7.4
5/1/2007 dup																1.2 Q															7.8	
8/8/2007																1.1 Q															6.7	
8/8/2007 dup																1.2 Q															7.5	
10/22/2007																0.95 Q															7.8	
10/22/2007 Dup																1.2 Q															8.1	
5/6/2008																1.5															6.6	
10/2/2008																1.2															6.1	
4/6/2009																1.6															6.5	

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

Sampling Point	Collection Date	Parameters																																		
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chlormethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000				
P-115 (Former Wiese well)	10/9/2001	NR																																		
	10/09/01 Dup	NR																																		
	11/19/2001	NR																																		
	2/5/2002	NR																																		
	5/22/2002	NR																																		
	8/19/2002	NR																																		
	12/3/2002	NR																																		
	4/22/2003																																			
	7/30/2003																																			
	10/22/2003																																			
	2/4/2004																																			
	4/27/2004																																			
	10/14/2004																																			
	1/27/2005																																			0.33 Q
	4/26/2005																																			
	8/2/2005																																			0.34 Q
	10/26/2005																																			0.33 Q
	1/31/2006																																			
	4/24/2006																																			0.62
	7/27/2006																																			0.44 Q
10/31/2006																																			0.39Q	
2/1/2007																																			0.50Q	
5/1/2007																																			0.54Q	
8/14/2007																																			0.62	
10/22/2007																																			0.49 Q	
10/22/2007																																			0.55 Q	
5/6/2008																																			1.1	
10/2/2008																																			1.9	
4/6/2009																																			1.3	

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

Sampling Point	Collection Date	Parameters																																
		Acetone <sup>1</sup>	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes		
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000			
P-116 (former Hadel well)	10/9/2001	NR																																
	11/19/2001	NR																																
	2/5/2002	NR																																
	5/22/2002	NR																																
	8/19/2002	NR																																
	08/19/02 Dup	NR																																
	12/3/2002	NR																																
	12/03/02 Dup	NR																																
	4/22/2003																																	
	7/30/2003																																	
	10/22/2003																																	
	2/4/2004																																	
	5/11/2004																																	
	7/22/2004																																	
	10/14/2004																																	
	1/27/2005																																	
	4/26/2005																																	
	8/2/2005																																	
	10/26/2005																																	
	1/31/2006																																	
	01/31/06 Dup																																	
	4/24/2006																																	
	7/27/2006																																	
10/31/2006																																		
2/1/2007																																		
5/1/2007																																		
8/8/2007																																		
10/22/2007																																		
5/6/2008																																		
10/2/2008																																		



**Table 3 - Groundwater VOC Analytical Results for Private Drinking Water Wells  
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's							Inorganic			
		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
<b>Regularly Monitored Wells</b>												
Baneck, Perry/Watkins	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 <sup>1</sup>	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 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.75 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 <sup>1</sup>	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	

**Table 3 - Groundwater VOC Analytical Results for Private Drinking Water Wells  
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's							Inorganic			
		Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Gaastra	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 <sup>1</sup>	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 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2007 <sup>1</sup>	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 <sup>1</sup>	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	

**Table 3 - Groundwater VOC Analytical Results for Private Drinking Water Wells  
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's							Inorganic			
		Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Rohde	10/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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	

**Table 3 - 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

<sup>1</sup> Methylene Chloride was detected and is assumed to be a laboratory artifact

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

\*Began analyzing using method 542.2 with August 2002 event

**Table 4. Leachate VOC Analytical Results for Leachate Wells  
FF/NN Landfill  
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																												
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl ether
LC-1	1993	5/12	<25	<120	<25	<25	<25	<25	NA	25	25	<25	<25	410	92	NA	NA	<120	NA	NA	<25	NA	170	NA	18J	NA	NA	76	320	NA	NA
		5/12 Dup	<36	<180	<36	<36	<36	<36	NA	36	36	43	<36	550	110	NA	NA	<180	NA	NA	<36	NA	290	NA	<36	NA	NA	71	410	NA	NA
		6/24	1J	<7	<1	<1	5	<1	NA	1	1	0.8J	<1	13	12	NA	NA	<7	NA	NA	<1	NA	20	NA	<1	NA	NA	6	85	NA	NA
	1996	6/24 Dup	<25	<8	<2	<2	6D	<2	NA	2	2	IDJ	<2	13D	11D	NA	NA	<8	NA	NA	<2	NA	23D	NA	<2	NA	NA	7D	82D	NA	NA
		5/10	2.2	<120	<25	<25	<25	4J	ND	ND	ND	<25	<25	0.46J	4J	ND	NA	<120	NA	ND	<25	NA	<25	ND	<25	NA	NA	<25	86	NA	NA
	1997	10/31	<16	<5	<1	0.58J	1.5	<1	ND	ND	ND	<1	<1	<12	8.3	ND	NA	23	NA	ND	<1	NA	4.7	ND	<1	NA	NA	<1	280	NA	NA
		5/13	1.7	<100	90	<11	<60	<19	ND	ND	ND	<18	<12	<0.23	<19	ND	<18	<18	<18	ND	<32	<95	<20	ND	<24	<16	<16	<23	<55	<7.0	<6.5
	1998	10/28	3.6	5.9	<1.0	0.23	9.4	<0.38	ND	ND	ND	0.87	<0.25	<2.3	3.6	ND	1.7	0.80	6.8	ND	<0.63	97	1.2	ND	<0.49	9.6	8.7	<0.46	29	1.1	0.49
		4/14	3.8	<20	<10	<2.2	35	<3.8	ND	ND	ND	<3.5	<2.5	<2.3	<3.8	ND	<3.5	<3.7	13	ND	<6.3	110	<3.9	ND	<4.9	14	12	<4.6	50	<1.4	<1.3
	1999	10/14	NA	NA	NA	<2.2	<12	<3.8	ND	ND	ND	<3.5	<2.5	NA	19	ND	6.3	NA	18	ND	<6.3	NA	<3.9	ND	<4.9	37	22	<4.6	100	<1.4	<1.3
		4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	10/30*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2002	10/9	Leachate wells not sampled																												
		2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



**Table 4. Leachate VOC Analytical Results for Leachate Wells  
FF/NN Landfill  
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																												
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Diisopropyl ether
LC-2	1993	5/12	5	<18	<4	18	<4	<4	<1.0	<4	<4	380D	<4	<4	49	NA	NA	<18	NA	NA	<4	NA	71	NA	<4	NA	NA	<4	160D	NA	NA
		6/24	10	<16	<3	20	<3	<3	<1.0	<3	<3	170D	<3	<3	54	NA	NA	<16	NA	NA	<3	NA	27	NA	<3	NA	NA	<3	180	NA	NA
	1996	5/10	4.0	<12	<2	10	5	<2	<1.0	NA	NA	<2	0.2J	<2	<2	NA	NA	<12	NA	NA	<2	NA	0.6J	NA	<2	NA	NA	<2	20	NA	NA
		10/31	6.6	<5	<1	24	8.1	<1.0	<1.0	<5	<5	11	0.22J	3.1	42	NA	NA	<5.0	NA	NA	2.7	NA	6.8	NA	0.56J	NA	NA	<1.0	140	NA	NA
	1997	5/13	5.8	<20	<10	17	<12	<3.8	<1.0	<2	<2.2	8.3	<2.5	<2.3	<3.8	<3.6	<3.5	<3.7	4.4	<4.6	<6.3	<19	<3.9	<1.8	<4.9	6.9	5.5	<4.6	34	<1.4	<1.3
		10/28	7.0	2.3	<1.0	25	6.4	<0.38	<1.0	0.59	0.23	8.2	<0.20	<0.23	18	0.64	1.1	<0.37	8.9	<0.46	<0.63	240J	1.4	0.18	<0.49	17	6.5	<0.46	40	1.6	1.2
	1998	4/14	<16	<100	<50	25	<60	<19	<1.0	<10	<11	<18	<12	<12	<19	<18	<18	<18	<18	<23	<32	200	<20	<9.0	<24	<16	<16	<23	<55	<7	<6.5
		10/14	4.0	NA	NA	91	<2.4	<0.76	<1.0	<0.44	<0.44	18	<0.50	<0.46	45	1.4	<0.70	NA	7.1	<0.92	<1.3	NA	<0.78	<0.36	<0.98	17	3.5	<0.92	39	1.3	0.94
	1999	4/7	6.2	NA	NA	44	<1.0	<1.0	<1.0	<1.0	<1.0	28	<1.0	<1.0	150	3.9	<1.0	NA	7.1	2.8	<1.0	NA	<0.40	<1.0	<1.0	26	9.0	<1.0	380	<1.0	<1.0
		10/28	8.0	<2.5	NA	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	280	6.7	<2.5	<2.5	12	<2.5	<2.5	240	<1.0	<2.5	<2.5	42	11	<2.5	750	<2.5	<2.5
	2000	5/02	8.1	<2.5	<2.5	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	190	<2.5	<2.5	<2.5	3.6	<2.5	<2.5	190	<1.0	<2.5	<2.5	42	15	<2.5	670	<2.5	<2.5
		10/30	10	<1.0	NA	47	<1.0	<1.0	<1.0	<1.0	<1.0	33	<1.0	<1.0	130	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	0.68	<1.0	<1.0	18	13	<1.0	430	2.0	<1.0
	2001	5/09	<0.40	<1.0	NA	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	<0.40	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0
		10/9	Leachate wells not sampled																												
	2002	2/5	13	NA	NA	67	<13	<4.8	<3.2	<3.3	<3.1	39	<4.6	<4.9	180	9	<4.1	NA	13	7	<2.5	NA	<2.6	<3.1	<2.7	45	12	<3.5	720	<5.7	<5.9
		5/22	14	NA	NA	51	ND	ND	ND	ND	ND	33	ND		96	3.3 Q	ND	NA	ND	ND	ND	ND	ND	ND	ND	23	9.5	ND	570	NA	NA
	2003	4/22	12	ND	ND	43	ND	ND	ND	ND	ND	30	ND	ND	210	NA	NA	NA	10	NA	ND	170	ND	NA	ND	NA	NA	ND	980	ND	NA
	2004	4/28	9	ND	ND	30	1.8 Q	ND	ND	ND	ND	23	ND	ND	88	NA	NA	NA	4.4	NA	ND	130	1.5 Q	NA	ND	NA	NA	ND	470 D	0.87 Q	NA
	2005	8/3	11	ND	ND	43	ND	ND	ND	ND	ND	25	ND	ND	92	NA	NA	NA	3.7	NA	ND	180	ND	NA	ND	NA	NA	ND	770	ND	NA
	2006	4/28 <sup>1</sup>	13	ND	ND	45	ND	ND	ND	ND	ND	33	ND	ND	85	NA	NA	NA	17	NA	ND	220	ND	NA	ND	NA	NA	ND	1100	ND	NA
	2007	5/02	12	<22	<3.3	50	<4.8	<1.2	<5.0	<4.1	<4.4	22	<3.8	<4.1	52	NA	NA	NA	6.3	NA	<2.2	170	<3.4	NA	<2.4	NA	NA	<0.9	780	<3	NA
	2008	5/6	7.6	<4.3	<0.66	58.2	<0.97	<0.24	<0.99	<0.83	<0.87	13.1	<0.75	<0.83	43.3	NA	NA	NA	11.3	NA	<0.45	128	2.1	NA	<0.48	NA	NA	<0.18	337	<0.61	NA
	2009	4/9	10.9	<22	<3	45.9	<5	<1	<5	<4	<4	16.3	<4	<4	91.3	NA	NA	NA	<4	NA	<2	138	<3	NA	<2	NA	NA	<1	618	<3	NA

**Table 4. Leachate VOC Analytical Results for Leachate Wells  
FF/NN Landfill  
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																															
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl ether			
LC-3	1993	5/12*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		6/24*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1996	5/10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		10/31*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1997	5/13*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1998	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		10/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2000	5/02	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5800	<25	<25	<25	25	<25	<25	<25	<25	65	<25	<25	<10	<10	330	<25	<25	<25	<25		
		10/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		10/9	Leachate wells not sampled																															
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		8/19*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	5/02	<4.1	<43	<6.6	<4.1	<9.7	<2.4	<9.9	<8.3	<8.7	<9.5	<7.5	170	13	NA	NA	NA	<7.4	NA	<4.5	290	35	NA	<4.8	NA	NA	13	65	<6.1	NA	NA		
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2009	4/9 <sup>1</sup>	<1	<9	<1	<1	<2	<1	<2	<2	<2	<2	<2	296	2.2	NA	NA	NA	<2	NA	<1	22	13.6	NA	22	NA	NA	11.3	17.3	<6.1	NA	NA			

**Table 4. Leachate VOC Analytical Results for Leachate Wells  
FF/NN Landfill  
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																									
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride

Notes:

- \* = Insufficient water for sample collection
- D = Analyte was identified in an analysis at a secondary dilution factor
- J = Estimated Values; Below the Quantitation Limit
- NA = Not analyzed
- ND = Not detected
- Q = Between LOD and LOQ
- 4/28<sup>1</sup> Acetone detected at 29 ug/l
- 4/9<sup>1</sup> Acetone detected at 56.9 ug/l

Many samples results indicated the presence of methylene chloride and/or acetone.  
Validation of the data indicated that these compounds were not actually present in the water from the leachate wells.  
These, and other compounds not detected in the samples are not included on the summary table.

All concentrations are in parts per billion (ppb)

Contaminants are not compared to NRI40 Prevention Action Limits and Enforcement Standards because those standards do not apply to leachate.

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
			variable	variable	<5	<40			
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	8	1	
	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	0	0	
	15:32	4/14/2006	22.8	24.9	1.0	51.3	430	34	
	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	315	25	
	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	60	5		
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	80	6		
13:42	3/1/2007	6.0	17.4	3.8	72.8	100	8		
14:36	3/1/2007	5.5	16.4	4.2	73.9	20	2		
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				
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	

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-1	10:42	5/30/2007	29.5	25.0	0.8	44.7	110	9	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	112	9	
	13:45	6/14/2007	1.5	12.0	8.3	78.3	59	5	
	13:45	6/19/2007	1.4	12.2	8.5	78.0	96	8	
		6/21/2007							



Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	270	21	
	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	330	26	
	15:24	4/14/2006	15.5	30.4	2.5	51.6	435	34	
	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	400	31	
	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	60	5	
	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	90	7	
13:17	3/1/2007	10.5	19.2	1.0	69.3	120	9		
14:25	3/1/2007	9.5	1.2	17.6	71.7	20	2		
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				
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	130	10	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	

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-4	16:36	6/1/2007	12.5	22.5	0.4	64.6			
	15:33	6/2/2007	11.0	22.4	0.4	66.2			
	16:13	6/3/2007	9.5	21.8	0.3	68.4			
	14:15	6/4/2007	6.5	21.6	0.4	71.5			reduce to 6 on 18 off
	14:59	6/7/2007	9.5	22.2	0.1	68.2			
	17:25	6/12/2007	4.4	20.8	1.0	73.8	47	4	
	14:40	6/14/2007	4.3	20.6	0.5	74.7	35	3	
	14:50	6/19/2007	5.0	21.0	0.8	73.2	73	6	
	14:50	6/21/2007	7.5	21.6	0.7	70.2	89	7	
	14:40	7/11/2007	10.5	23.0	0.4	66.1	33	3	
	14:08	7/23/2007	12.5	23.6	0.4	63.5	85	7	
	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	79	6	
	13:50	8/20/2007	4.6	21.6	0.8	73.0	122	10	
	14:35	8/28/2007	3.1	20.2	0.9	75.8	242	19	
		8/31/2007							

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	295	23	
	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	305	24	
	15:53	4/14/2006	21.3	28.5	5.4	44.8	225	13	
	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	215	17	
	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	40	3	
	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	80	6	
14:00	3/1/2007	7.0	15.5	4.2	73.3	120	9		
14:40	3/1/2007	6.0	14.4	5.2	74.4	20	2		
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				
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	80	6	restart and run 24 hrs	

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-6	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	147	11	
	15:00	6/14/2007	14.0	21.8	0.6	63.6	122	10	
	14:30	6/19/2007	13.0	22.8	0.7	63.5	71	6	
	14:30	6/21/2007	15.0	21.8	1.4	61.8	93	7	
	14:20	7/11/2007	14.0	20.2	3.1	62.7	118	9	
	14:20	7/23/2007	15.0	21.0	3.3	60.7	98	8	
	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	41	3	
	14:20	8/20/2007	9.5	18.0	5.1	67.4	81	6	
	14:15	8/28/2007	9.0	18.6	4.4	68.0	150	12	
	15:50	8/31/2007	6.0	19.2	2.5	72.3	65	5	
	14:45	9/4/2007	6.0	18.2	3.2	72.6	54	4	
	13:15	9/17/2007	5.0	16.8	4.3	73.9	73	6	
	9:35	9/29/2007	4.7	16.8	4.3	74.2	85	7	
	8:35	10/4/2007	4.4	16.2	4.7	74.8	57	4	
	9:35	10/7/2007	4.7	17.0	3.6	74.7	71	6	
	9:40	10/18/2007	7.5	20.0	0.6	71.9	65	5	
	9:10	10/25/2007	7.0	2.0	0.5	90.5	47	4	
	9:10	11/1/2007	7.0	20.6	0.2	72.2	31	2	
	10:05	11/13/2007	17.5	22.0	0.7	59.8	61	5	
	11:20	11/26/2007	6.0	15.6	5.5	72.9	54	4	reduce to 12 on 12 off
	10:50	12/10/2007	7.0	16.8	4.8	71.4	37	3	reduce to 10 on 14 off
	11:40	12/26/2007	6.5	15.6	4.9	73.0	49	4	reduce to 8 on 16 off
	10:05	1/9/2008	6.0	15.6	4.9	73.5	47	4	
	12:05	1/23/2008	5.5	13.4	7.3	73.8	31	2	
	9:10	2/4/2008	12.5	19.4	0.9	67.2	57	4	
	7:40	2/18/2008	17.0	20.4	0.7	61.9	47	4	
	7:20	3/4/2008	21.0	21.0	0.9	57.1	73	6	
	8:35	3/18/2008	31.0	22.8	0.8	45.4	71	6	
	14:15	5/12/2008	14.5	19.6	3.1	62.8	67	5	
	9:05	5/19/2008	5.5	14.8	6.4	73.3	59	5	
	13:40	5/30/2008	12.0	20.4	0.2	67.4	63	5	
	9:15	6/12/2008	5.0	16.8	5.5	72.7	49	4	
	9:10	6/25/2008	10.0	23.4	0.6	66.0	53	4	
	11:20	7/7/2008	5.5	20.0	0.0	74.5	57	4	opened GV-6 to 200 ft/min
	12:25	7/21/2008	7.5	20.8	1.3	70.4	256	20	
	9:45	8/5/2008	9.5	21.8	0.5	68.2	264	21	
	9:00	8/13/2008	11.5	21.6	1.4	65.5	1230	96	increase to 12 on 12 off
	8:40	8/19/2008	4.9	15.4	6.8	73.0	1220	95	
	14:00	9/2/2008	5.5	18.4	2.0	74.1	199	16	
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	185	14		
9:10	10/28/2008	7.0	19.2	2.8	71.0	161	13		
7:30	11/6/2008	10.0	20.2	1.5	68.3	187	15		
10:10	12/24/2008	6.0	15.6	4.5	73.9	124.0	10	12/8/08 meter failure	
11:45	1/8/2009	3.1	13.6	6.5	76.8	142.0	11	1/27/09 ice in port	
11:15	1/18/2009	8.5	19.0	3.2	69.3	198.0	15		
8:30	2/6/2009	3.2	12.4	7.7	76.8	162.0	13		
10:45	2/23/2009	1.5	10.8	9.7	78.1	187.0	15	decrease to 8 on	
10:10	3/9/2009	3.0	14.6	3.3	79.1	260.0	20		
10:10	3/20/2009	4.4	16.8	2.1	76.8	203.0	16		
12:21	4/9/2009	8.0	18.4	0.0	73.6	154.0	12		
10:30	4/19/2009	3.6	13.0	6.7	76.7	171.0	13		
8:30	5/4/2009	1.6	11.4	8.5	78.6	230.0	18		

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments	
			(%)	(%)	(%)	(%)				
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	311	24		
	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	340	27		
	15:39	4/14/2006	28.6	29.2	3.5	38.7	280	22		
	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	226	18		
	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	60	5		
	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	130	10			
14:42	3/1/2007	16.0	22.0	1.5	60.5	20	2			
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					
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		



Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-7	10:50	5/30/2007	35.5	26.2	0.5	37.8	70	5	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	41	3	
	14:05	6/14/2007	9.5	15.0	5.6	69.9	47	4	
	13:45	6/19/2007	8.0	14.2	6.7	71.1	126	10	
		6/21/2007							

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	236	18	
	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	270	21	
	15:36	4/14/2006	12.8	19.0	2.9	65.3	390	30	
	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	311	24	
	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	60	5	
	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	70	5	
	13:35	3/1/2007	2.2	6.8	12.6	78.5	20	2	
	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			
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	110	9	restart and run 24 hrs	
13:48	5/30/2007	23.5	24.0	0.4	52.1				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-9	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	148	12	
	14:14	6/14/2007	11.0	19.0	2.5	67.5	33	3	
	14:05	6/19/2007	10.0	19.0	2.8	68.2	138	11	
	13:50	6/21/2007	7.5	16.6	4.8	71.1	94	7	
	13:40	7/11/2007	7.0	16.8	4.7	71.5	106	8	
	13:20	7/23/2007	7.5	17.4	4.6	70.5	120	9	
	14:15	8/8/2007	7.5	17.2	5.0	70.3			
		8/13/2007							

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-12	11:05	3/20/2006	11.5	17.7	5.4	65.4			pre-startup
	9:50	3/22/2006	36.0	26.8	2.1	35.1			
	10:16	3/22/2006	34.8	24.3	1.9	39.0			
	15:28	3/22/2006	34.4	26.0	0.8	38.8			
	8:25	3/23/2006	32.9	31.0	2.1	34.0			
	16:30	3/23/2006	24.1	20.2	2.7	53.0			
	14:20	3/24/2006	4.7	4.8	17.1	73.4			
	14:10	3/28/2006	4.4	5.5	9.9	80.2			
	19:28	3/30/2006	13.1	16.7	5.8	64.4	630	49	
	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	720	56	
	15:19	4/14/2006	4.5	10.7	9.2	75.6	378	30	
	9:50	4/17/2006	2.1	6.1	14.5	77.3			
	19:16	4/27/2006	3.7	9.2	9.6	77.5			
	13:04	5/4/2006	3.8	9.8	10.4	76.0			
	10:12	5/22/2006	3.0	10.8	10.2	76.0			
	8:15	6/9/2006	3.9	11.9	11.5	72.7			
	12:29	6/14/2006	5.9	14.2	10.5	69.4			
	10:36	6/22/2006	4.3	13.2	9.7	72.8			
	12:01	7/5/2006	3.4	13.0	10.5	73.1			
	11:25	7/10/2006	5.3	20.0	4.1	70.6			
	10:45	7/17/2006	3.4	14.4	8.7	73.5			
	13:55	7/28/2006	4.5	18.1	6.5	70.9			
	9:40	8/8/2006	4.1	17.2	6.7	72.0			
	9:35	8/16/2006	0.7	2.8	17.5	79.0			
	8:14	8/21/2006	0.1	0.2	6.5	93.2			
	2:05	8/28/2006	5.3	18.7	6.7	69.3			
	11:16	9/13/2006	0.6	1.7	7.4	90.3			
	11:15	9/25/2006	12.6	27.8	2.1	57.5			
	8:15	10/10/2006	5.3	18.7	16.6	59.4			
	8:15	10/23/2006	4.7	18.7	9.0	67.6			
	14:44	11/2/2006	0.3	4.2	16.0	79.5			
	13:48	11/14/2006	5.0	16.2	4.8	74.0			
	11:22	11/27/2006	3.5	14.2	6.4	76.0			
	12:45	12/26/2006	3.9	13.2	7.6	75.4			
	13:23	1/27/2007	18.0	6.8	14.7	60.5			
	9:25	2/15/2007	0.3	0.6	19.5	79.7			
	9:37	2/15/2007	0.3	1.2	18.8	79.7			
	11:05	2/24/2007	0.4	1.2	19.3	79.1			
	9:34	3/1/2007	20.0	23.6	0.4	56.0			
	9:56	3/1/2007	19.0	23.4	0.2	57.4	60	5	
	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	80	6	
	13:20	3/1/2007	15.0	22.6	0.3	62.1	120	9	
	14:27	3/1/2007	12.5	20.8	0.5	66.2	20	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				
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	110	9	restart and run 24 hrs	
13:32	5/30/2007	13.0	24.0	0.4	62.6				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-12	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	38	3	
	14:30	6/14/2007	0.8	15.4	1.9	81.9	87	7	
	14:20	6/19/2007	1.1	15.6	4.8	78.5	91	7	
	14:20	6/21/2007	1.5	16.8	2.7	79.0	53	4	
	14:10	7/11/2007	3.9	20.2	0.5	75.5	73	6	
	13:45	7/23/2007	4.5	20.8	0.3	74.5	61	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	81	6	
	13:40	8/20/2007	1.1	17.0	3.3	78.6	85	7	
	14:05	8/28/2007	0.5	15.0	4.7	79.8	96	8	
	8/31/2007								vent closed

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-1	11:31	3/20/2006	61.5	37.7	0.7	0.1			pre-startup
	10:02	3/22/2006	43.6	26.3	6.4	23.7			
	15:32	3/22/2006	56.0	33.3	3.8	6.9			
	8:29	3/23/2006	50.1	29.5	4.3	16.1			
	16:35	3/23/2006	44.2	24.6	4.9	26.3			
	15:40	3/24/2006	18.8	11.8	15.9	53.5			
	14:25	3/28/2006	7.0	8.7	10.8	73.5			
	18:58	3/30/2006	15.8	21.0	6.9	56.3	4	0	
	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	2	0	
	15:26	4/14/2006	12.2	24.1	4.0	59.7	30	2	
	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	35	3	
	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	41	3	
	8:20	6/9/2006	1.1	0.2	20.4	78.3			
	12:34	6/14/2006	3.9	0.6	20.2	75.3			
	10:41	6/22/2006	3.3	7.6	13.8	75.3			
	12:06	7/5/2006	3.7	12.5	10.1	73.7			
	11:31	7/10/2006	3.5	10.9	11.8	73.8			
	10:49	7/17/2006	3.9	10.7	11.8	73.6			
	14:00	7/28/2006	5.0	12.0	10.2	72.8			
	9:46	8/8/2006	2.7	9.5	12.9	74.9			
	7:20	8/16/2006	2.4	6.6	14.5	76.5			
	7:12	8/21/2006	0.1	0.2	15.1	84.6			
	14:07	8/28/2006	2.1	12.5	12.4	73.0			
	11:21	9/13/2006	0.6	0.6	13.3	85.5			
	11:19	9/25/2006	0.0	0.0	16.2	83.8			
	8:18	10/10/2006	2.7	8.4	14.8	74.1			
	8:19	10/23/2006	2.0	1.5	12.8	83.7			
	14:00	11/2/2006	3.8	21.6	1.7	72.9			
	14:54	11/14/2006	7.5	23.0	0.7	68.8			
	11:26	11/27/2006	5.5	23.0	0.4	71.1			
	12:57	12/26/2006	5.0	23.6	0.3	71.1			
	13:57	1/27/2007	9.5	22.8	0.3	67.4			
	11:20	2/24/2007	6.5	23.0	0.8	69.7			
	11:20	3/1/2007	17.5	23.2	1.8	57.5			
	12:28	3/1/2007	16.5	23.2	1.8	58.5	40	3	
	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				
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	250	12	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				



Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-1	17:16	6/12/2007	10.5	21.0	2.1	66.4	978	48	
	14:49	6/14/2007	11.0	20.8	2.2	66.0	1224	60	
	14:40	6/19/2007	10.5	21.0	2.2	66.3	1071	53	
	14:40	6/21/2007	11.0	21.2	2.0	65.8	1014	50	
	14:30	7/11/2007	11.5	21.4	2.0	65.1	1730	85	
	14:00	7/23/2007	12.0	21.8	2.0	64.2	902	44	
	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	740	36	
	14:10	8/20/2007	10.0	21.4	2.8	65.8	1425	70	
	14:25	8/28/2007	8.5	20.8	2.7	68.0	972	48	
	15:55	8/31/2007	5.5	18.2	4.2	72.1	1224	60	
	14:55	9/4/2007	4.5	17.2	4.1	74.3	1026	50	
	13:25	9/17/2007	3.2	15.4	5.1	76.4	1164	57	
	9:50	9/29/2007	3.0	15.2	5.6	76.2	903	44	
	8:45	10/4/2007	3.1	15.2	5.6	76.1	850	42	
	9:45	10/7/2007	3.7	15.6	4.8	75.9	1045	51	
	9:50	10/18/2007	6.0	17.0	3.6	73.4	1024	50	
	9:00	10/25/2007	5.0	17.2	3.8	74.0	677	33	
	9:20	11/1/2007	6.0	18.6	2.2	73.2	541	27	
	10:25	11/13/2007	11.5	18.6	3.4	66.5	951	47	
	11:30	11/26/2007	4.8	16.2	4.8	74.3	941	46	
	11:00	12/10/2007	5.0	16.0	5.4	73.6	1071	53	
	11:50	12/26/2007	5.5	16.6	4.3	73.6	648	32	
	10:15	1/9/2008	6.0	17.0	3.7	73.3	764	37	
	12:10	1/23/2008	5.0	15.8	5.2	74.0	463	23	
	9:20	2/4/2008	8.0	17.4	3.3	71.3	472	23	
	7:50	2/18/2008	12.0	17.6	3.8	66.6	733	36	
	7:30	3/4/2008	20.0	18.0	6.0	56.0	701	34	
	8:50	3/18/2008	23.0	19.8	3.9	53.3	185	9	
	14:30	5/12/2008	14.5	21.0	1.5	63.0	1014	50	
	9:15	5/19/2008	4.4	17.4	2.4	75.9	760	37	
	13:50	5/30/2008	6.5	18.2	1.2	74.1	1045	51	
	9:20	6/12/2008	3.8	19.0	2.6	74.6	823	40	
	9:20	6/25/2008	9.5	21.6	0.5	68.4	827	41	
	11:10	7/7/2008	6.0	19.4	1.3	73.3	1354	66	opened GV-6 to 200 ft/min
	12:25	7/21/2008	6.5	20.6	1.1	71.8	1166	57	
	9:50	8/5/2008	7.0	20.2	1.7	71.1	701	34	
	9:10	8/13/2008	12.5	23.2	0.1	64.2	126	6	increase to 12 on 12 off
	8:45	8/19/2008	8.0	21.2	2.2	68.6	242	12	
	14:15	9/2/2008	6.5	20.6	1.1	71.8	486	24	
	11:41	10/3/2008	8.0	21.6	0.8	69.6			
	10:40	10/13/2008	9.0	22.4	0.6	68.0	465	23	
9:15	10/28/2008	9.0	23.4	0.0	67.6	427	21		
7:40	11/6/2008	10.5	22.2	0.6	66.7	514	25		
10:25	12/8/2008	7.0	21.4	1.4	70.2	463	23		
10:20	12/24/2008	6.0	20.4	1.2	72.4	230	11	decrease to 10 on	
12:00	1/8/2009	5.0	15.4	2.4	77.2	264	13		
11:25	1/18/2009	8.5	23.0	0.3	68.2	427	21		
7:40	1/27/2009	5.0	18.0	4.9	72.1	498	24		
8:40	2/6/2009	4.8	16.4	5.2	73.7	274	13		
11:00	2/23/2009	3.9	17.4	4.5	74.3	441	22	decrease to 8 on	
10:20	3/9/2009	8.0	21.2	0.1	70.7	417	20		
10:20	3/20/2009	10.0	21.8	0.6	67.6	383	19		
11:46	4/9/2009	13.0	22.2	0.2	64.6	474	23		
10:45	4/19/2009	5.6	18.2	2.1	74.1	203	10		
8:05	5/4/2009	8.5	16.2	5.5	69.8	531	26		

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	20	2	
	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	10	1	
	15:56	4/14/2006	33.6	20.0	7.9	38.5	10	1	
	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	14	1	
	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	150	12	
	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	
11:45	5/30/2007	44.5	27.4	1.9	26.2	310	15	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	1552	76		

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-2	14:20	6/14/2007	40.5	25.4	1.2	32.9	1035	51	
	13:55	6/19/2007	39.5	25.8	1.2	33.5	854	42	
	14:00	6/21/2007	39.5	25.4	1.5	33.6	1053	52	
	13:50	7/11/2007	38.0	25.8	1.5	34.7	785	39	
	13:30	7/23/2007	38.5	26.6	1.4	33.5	1024	50	
	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	1077	53	
	13:20	8/20/2007	34.5	25.2	3.1	37.2	852	42	
	13:45	8/28/2007	36.5	27.8	1.3	34.4	1921	94	
	15:30	8/31/2007	30.0	26.0	2.5	41.5	2198	108	
	14:25	9/4/2007	26.0	26.0	2.0	46.0	1294	63	
	12:55	9/17/2007	17.5	23.6	3.2	55.7	972	48	
	9:15	9/29/2007	17.5	23.8	2.9	55.8	1378	68	
	8:15	10/4/2007	18.5	25.0	1.8	54.7	626	31	
	9:15	10/7/2007	19.0	25.2	1.7	54.1	844	41	
	9:30	10/18/2007	17.5	21.4	4.2	56.9	1049	51	
	8:35	10/25/2007	23.0	25.2	2.3	49.5	835	41	
	8:50	11/1/2007	26.5	27.0	1.0	45.5	742	36	
	9:55	11/13/2007	28.0	25.8	1.8	44.4	1094	54	
	11:05	11/26/2007	27.0	25.4	2.0	45.6	702	34	
	10:30	12/10/2007	26.0	25.8	2.1	46.1	555	27	
	11:15	12/26/2007	26.0	25.0	2.0	47.0	872	43	
	9:40	1/9/2008	24.5	21.6	4.7	49.2	728	36	
	11:58	1/23/2008	19.0	18.2	7.4	55.4	1321	65	
	8:50	2/4/2008	17.0	15.4	9.4	58.2	1158	57	
	7:20	2/18/2008	25.5	20.4	6.3	47.8	654	32	
	7:15	3/4/2008	30.5	21.2	7.1	41.2	1291	63	
	8:25	3/18/2008	32.5	22.6	5.5	39.4	913	45	
	13:45	5/12/2008	43.0	25.8	2.5	28.7	571	28	
	8:45	5/19/2008	41.0	26.0	2.0	31.0	646	32	
	13:20	5/30/2008	31.0	23.6	3.2	42.2	1123	55	
	8:35	6/12/2008	35.5	20.0	1.3	43.2	1524	75	
	8:45	6/25/2008	33.0	24.8	3.6	38.6	774	38	
	10:45	7/7/2008	32.0	27.0	1.7	39.3	813	40	opened GV-6 to 200 ft/min
	12:20	7/21/2008	34.5	28.2	1.5	35.8	604	30	
	10:00	8/5/2008	34.5	27.6	2.1	35.8	972	48	
	9:20	8/13/2008	36.5	27.8	2.8	32.9	122	6	increase to 12 on 12 off
	9:05	8/19/2008	40.0	29.6	0.4	30.0	205	10	
	14:40	9/2/2008	34.0	29.6	1.3	35.1	1120	88	
	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	492	38	
	9:35	10/28/2008	38.5	30.2	2.4	28.9	341	27	
8:00	11/6/2008	39.0	30.4	1.5	29.1	376	29		
10:55	12/8/2008	41.5	32.2	1.2	25.1	351	27		
9:50	12/24/2008	23.0	20.8	7.0	49.2	311	24	decrease to 10 on	
11:20	1/8/2009	25.0	23.4	5.1	46.5	256	20		
11:35	1/18/2009	13.5	19.8	5.5	61.2	435	34		
7:45	1/27/2009	35.5	31.0	0.7	32.8	319	25		
8:15	2/6/2009	26.5	25.2	3.5	44.8	465	36		
10:15	2/23/2009	23.5	25.8	2.0	48.7	492	38	decrease to 8 on	
9:50	3/9/2009	23.0	23.8	3.7	49.5	417	33		
9:40	3/20/2009	29.5	28.6	0.5	41.4	254	20		
12:25	4/9/2009	47.0	18.6	2.0	32.4	449	35		
10:15	4/19/2009	35.0	28.2	0.3	36.5	437	34		
8:15	5/4/2009	29.0	27.8	0.3	42.9	426	33		

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	73	6	
	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	20	2	
	15:30	4/14/2006	37.7	28.8	1.2	32.3	30	2	
	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	37	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	290	23	
	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
11:30	5/30/2007	29.0	22.8	3.0	45.2	1400	109	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	866	68		

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	fee/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-3	13:58	6/14/2007	14.5	19.2	3.1	63.2	1265	99	
	13:35	6/19/2007	14.5	19.6	3.0	62.9	1044	82	
	13:40	6/21/2007	14.0	19.2	3.2	63.6	1146	90	
	13:20	7/11/2007	14.0	19.2	3.3	63.5	858	67	
	13:10	7/23/2007	13.0	19.0	3.4	64.6	1033	81	
	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	1315	103	
	13:10	8/20/2007	11.8	19.8	2.7	65.7	945	74	
	13:35	8/28/2007	11.5	19.2	2.8	66.5	1378	108	
	15:20	8/31/2007	8.5	18.0	3.5	70.0	1283	100	
	14:15	9/4/2007	7.0	17.0	3.9	72.1	1412	110	
	12:45	9/17/2007	5.5	15.8	4.7	74.0	1198	94	
	9:05	9/29/2007	5.0	16.2	4.6	74.2	1181	92	
	8:05	10/4/2007	5.5	16.0	4.6	73.9	1140	89	
	9:05	10/7/2007	6.0	16.4	4.2	73.4	1049	82	
	9:20	10/18/2007	7.5	16.8	3.6	72.1	1768	138	
	8:25	10/25/2007	6.5	16.6	4.2	72.7	997	78	
	8:40	11/1/2007	7.5	16.8	4.3	71.4	957	75	
	9:45	11/13/2007	11.5	16.2	5.5	66.8	1272	99	
	10:55	11/26/2007	7.0	14.4	6.4	72.2	1154	90	
	10:20	12/10/2007	7.0	14.6	6.8	71.6	1008	79	
	11:05	12/26/2007	7.5	14.4	6.4	71.7	1279	100	
	9:30	1/9/2008	8.5	14.6	6.6	70.3	684	53	
	11:50	1/23/2008	7.5	14.4	7.3	70.8	782	61	
	8:40	2/4/2008	10.0	15.6	6.1	68.3	652	51	
	7:10	2/18/2008	12.5	15.4	6.8	65.3	1033	81	
	7:40	3/4/2008	17.5	17.8	7.5	57.2	768	60	
	8:15	3/18/2008	20.0	17.6	6.2	56.2	980	77	
	13:35	5/12/2008	20.0	19.6	4.5	55.9	1081	84	
	8:45	5/19/2008	11.5	16.6	5.6	66.3	1503	117	
	13:10	5/30/2008	10.0	16.2	5.1	68.7	1773	139	
	8:25	6/12/2008	9.5	17.4	5.2	67.9	802	63	
	8:35	6/25/2008	14.5	19.8	4.3	61.4	1419	111	
	10:35	7/7/2008	10.5	17.0	4.9	67.6	1514	118	opened GV-6 to 200 ft/min
	12:15	7/21/2008	10.5	19.0	4.1	66.4	659	51	
	10:00	8/5/2008	12.5	19.2	4.2	64.1	1057	83	
	9:15	8/13/2008	13.5	19.6	4.3	62.6	425	33	increase to 12 on 12 off
	8:55	8/19/2008	9.5	18.4	4.6	67.5	260	20	
	14:25	9/2/2008	11.5	18.4	4.4	65.7	1185	58	
	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	413	20	
	9:25	10/28/2008	13.5	19.6	5.4	61.5	390	19	
	7:50	11/6/2008	13.5	19.2	5.1	62.2	1171	57	
10:40	12/8/2008	12.0	18.8	5.6	63.6	468	23		
9:40	12/24/2008	10.0	17.4	5.2	67.4	272	13	decrease to 10 on	
11:10	1/8/2009	9.5	17.0	5.5	68.0	392	19		
11:45	1/18/2009	29.5	22.6	7.4	40.5	424	21		
8:05	2/6/2009	8.5	16.0	5.8	69.7	71	3	1/27/09 ice in port	
10:05	2/23/2009	6.5	16.2	5.7	71.6	451	22	decrease to 8 on	
9:40	3/9/2009	11.0	17.0	5.2	66.8	453	22		
9:30	3/20/2009	13.5	17.6	5.3	63.6	297	15		
11:25	4/9/2009	17.5	18.8	4.9	58.8	384	19		
10:10	4/19/2009	11.0	17.2	5.3	66.5	388	19		
8:40	5/4/2009	4.2	17.4	3.3	75.2				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				
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				



Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GP-1	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			

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				



Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments	
			(%)	(%)	(%)	(%)				
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					

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				



Table 5. Landfill Gas Field Parameter Monitoring Results

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

Table 5. Landfill Gas Field Parameter Monitoring Results

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

Table 5. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 5. Landfill Gas Field Parameter Monitoring Results

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

Table 6. Landfill Gas Analytical Results

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	Total Hydrocarbons as gas	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoroethane	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									4800									12600	
	6/2/06												464		105						10900	708								72.9	85.8
	11/2/06			5.9									28.7		19						1360	122								50.1	
	5/30/07	1.3	3					2.4	2				7.1		9				0.86	2800	7.4		1				1.9	3.1		25	
	8/9/07																			2770											
	10/22/2007												135									33								24.4	
	1/23/2008								3.4				7.3											2.2							
	7/22/2008						1.6														66.4	0.74									
	10/7/2008								7.2				1.9		1.4		1.1		0.87	243	2.7										1.9
1/27/2009								3.6								1.9															
GV-6	7/28/2006	172	117	373					1070	42.6		19		281	323					27500	107	27.9		38						3590	649.5
	11/2/2006	50.2	50.4	73.5					166	35.8				70.4	246					29300	155						45	33.7	84.9	666	
	2/23/2007								111	24.4				44.3			7.4			2780	7	33.5		17.6							
	5/30/2007	32		190					160	21		19		120	73					17400	56								150	151	
	8/9/2007	75.8	127	255				27.6	119	35		22.4		72.5	543					57300	84.6						98.9	88	54.5	1123	
	10/22/2007			32					82	68.9		33.9		23	16.3					3320	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			9150		63.4									112
	10/7/2008			43					93.6					21.4						4230											
	1/27/2009																8							1.8							
LC-1	9/29/04			9.1					70.8					9.5																	
	1/28/05								553			1080		178						10400										130	
	7/28/2006	117							71.6					168	149					23600	118										563
	11/2/2006	92.6	16.4	54.3					62.4	27.7			1010	30.5	636				22.1	35400	3010		46.9				38.1	29.8		1954	
	2/23/2007	48							129					14.6	64.2		21			13300	40.8									175.2	
	5/30/2007	160		270					180	24					380	500				34800	270						57	43		1140	
	8/9/2007	76.4	21.8	108					118	17.4				34.8	216	106				16800	46.1						32.3	21		489.8	
	10/22/2007	51.1	150	86.9					170	49.3				38	328	15.9				22100	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	7450		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			863	1.9	1.9	1.4	1.1								
1/27/2009			7.6													3.3				106			4								

Values in ppbv (parts per billion by volume)  
 Analyzed using EPA Method TO-14A  
 P:\Ripon\_Landfill\Reports & Corresp\Status Reports to WDNR\2009\January 2009\Tables\Table 6 Gas VOCs.xls

Table 6. Landfill Gas Analytical Results

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	Total Hydrocarbons as gas	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	98200	8920		238				191	143	166	13006
	11/2/2006	221	96.9	216					1130						263	378					47000	43.2						79.4	56		8532
	2/23/2007	186	182	148			36.2		309						176	449		194			73800	83.7					173	157		7088.5	
	5/30/2007	1.2		4.4					7.7				1.8		7.4	1.2					290	3.3							2.4	2.7	
	8/9/2007	24.9		75.9					75.6						40.6	17.3					3580	25.9									38
	10/22/2007	236	112	344						14.3			16.4		90.5	335					22000				14.8		38.2	27.3		1744.1	
	1/23/2008	282	54.7	426					956	19.1					274	200								82			77.7	24.1	18.4	1549.9	
	7/22/2008	354	114	535					840						286	400					29300	119									1820
	10/7/2008	37.2		284					538						211		18.3				9190										
	1/27/2009					1.2							1.8				9.7			1.3				8.8		3.2					
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	122000	5030		912	184		158	85.1	1600	3310		
	2/23/2007	434					2810	81.6		166	43400			231	185	1440	21.1		63.2	219000	10000		573	1210					11900	632	
	5/30/2007	610	110			71	5200	64	460	137000				260	18400	2700				260	560000	146000		3200	270		260	150	172000	47400	
	8/9/2007	28.8					258	58.6					4960		25.9	197					4630	328		64.1	19.3				4680		
	10/22/2007	162					447	21.6					38300	91.3	66.4	179	1370			20.7	26700	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	5570	5140			301	2.6		12.8	7.4	1920	931		
	10/7/2008												1.3				2.1				94.1			2.1							
	1/27/2009			1.6	2												3.2														

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**

<b>Layer</b>	<b>Well ID</b>	<b>Well Screen Elevation (ft msl)</b>	<b>Lithology at Well Screen</b>
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**  
**GROUNDWATER MONITORING SCHEDULE**

**Groundwater Monitoring Schedule**  
**FF/NN Landfill, Ripon, WI**

Sampling Point:	Monitoring Schedule	Jan <sup>1</sup>	Apr	Jul <sup>1</sup>	Oct	Equipment Type
MW-3A	SA		✓		✓	QED
MW-3B	SA		✓		✓	QED
MW-101	A		✓			Bailer
P-101	A		✓			Bailer
MW-102	A		✓			Bailer
P-102	SA		✓		✓	Bailer
MW-103	SA		✓		✓	QED/bailer*
P-103	SA		✓		✓	QED
P-103D	SA		✓		✓	QED
MW-104	SA		✓		✓	QED/bailer*
P-104	A		✓			QED
MW-106	A		✓			Bailer
P-106	SA		✓		✓	QED
MW-107	SA		✓		✓	Bailer
P-107	SA		✓		✓	QED
P-107D	SA		✓		✓	QED
MW-108	SA		✓		✓	QED/bailer*
P-108	A		✓			Bailer
MW-111	A		✓			Bailer
P-111	A		✓			QED
P-111D	SA		✓		✓	QED
MW-112	SA		✓		✓	QED/bailer*
P-113A	A		✓			QED
P-113B	SA		✓		✓	QED
P-114	SA		✓		✓	QED
P-115	SA		✓		✓	QED
P-116	SA		✓		✓	QED
Baneck	Q	✓	✓	✓	✓	Spigot
Gastra	Q	✓	✓	✓	✓	Spigot
Rohde	Q	✓	✓	✓	✓	Spigot
Leachate wells	A		✓			Disposable bailers
Landfill gas monitoring	Q	✓	✓	✓	✓	
Cap Inspection	SA		✓		✓	

\* Well often doesn't have sufficient water to use existing QED. A bailer is then used to purge and sample.

<sup>1</sup>Take water level in each well

**ATTACHMENT C**  
**LABORATORY ANALYTICAL RESULTS**

April 21, 2009

Raelyn Sylvester  
Pace Analytical Pittsburgh  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601

RE: Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Dear Raelyn Sylvester:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Steven Mieczko

steve.mieczko@pacelabs.com  
Project Manager

Enclosures

**REPORT OF LABORATORY ANALYSIS**

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## CERTIFICATIONS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

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### Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444  
Wisconsin DATCP Certification #: 105-444  
Wisconsin Certification #: 405132750  
Wisconsin Certification #: 405132750  
South Carolina Certification #: 83006001  
South Carolina Certification #: 83006001  
North Dakota Certification #: R-200  
North Dakota Certification #: R-150  
North Carolina Certification #: 503  
North Carolina Certification #: 503  
New York Certification #: 11887

New York Certification #: 11888  
Minnesota Certification #: 055-999-334  
Minnesota Certification #: 055-999-334  
Louisiana Certification #: 04169  
Louisiana Certification #: 04168  
Kentucky Certification #: 83  
Kentucky Certification #: 82  
Illinois Certification #: 200051  
Illinois Certification #: 200050  
Florida/NELAP Certification #: E87951  
Florida/NELAP Certification #: E87948

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: -117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4015961001	ROHDE	Water	04/06/09 12:55	04/10/09 14:15
4015961002	GAASTRA	Water	04/06/09 13:30	04/10/09 14:15
4015961003	PERRY/WATKINS	Water	04/06/09 13:55	04/10/09 14:15
4015961004	P-116	Water	04/06/09 14:55	04/10/09 14:15
4015961005	P-114	Water	04/06/09 15:20	04/10/09 14:15
4015961006	P-115	Water	04/06/09 15:45	04/10/09 14:15
4015961007	P-113A	Water	04/06/09 16:55	04/10/09 14:15
4015961008	P-113B	Water	04/06/09 17:15	04/10/09 14:15
4015961009	P-113B DUP	Water	04/06/09 17:20	04/10/09 14:15
4015961010	MW-3A	Water	04/07/09 09:15	04/10/09 14:15
4015961011	MW-3B	Water	04/07/09 09:35	04/10/09 14:15
4015961012	P-111	Water	04/07/09 10:30	04/10/09 14:15
4015961013	P-111D	Water	04/07/09 10:55	04/10/09 14:15
4015961014	P-107	Water	04/07/09 12:10	04/10/09 14:15
4015961015	P-107D	Water	04/07/09 12:40	04/10/09 14:15
4015961016	P-103	Water	04/07/09 14:05	04/10/09 14:15
4015961017	P-103D	Water	04/07/09 14:25	04/10/09 14:15
4015961018	P-103D DUP	Water	04/07/09 14:30	04/10/09 14:15
4015961019	P-104	Water	04/07/09 16:10	04/10/09 14:15
4015961020	MW-107	Water	04/07/09 17:15	04/10/09 14:15
4015961021	MW-103	Water	04/07/09 17:35	04/10/09 14:15
4015961022	MW-112	Water	04/07/09 17:50	04/10/09 14:15
4015961023	MW-104	Water	04/07/09 18:05	04/10/09 14:15
4015961024	MW-111	Water	04/07/09 16:55	04/10/09 14:15
4015961025	P-106	Water	04/08/09 09:25	04/10/09 14:15
4015961026	P-106 DUP	Water	04/08/09 09:25	04/10/09 14:15
4015961027	P-108	Water	04/08/09 17:40	04/10/09 14:15
4015961028	MW-102	Water	04/08/09 16:40	04/10/09 14:15
4015961029	P-102	Water	04/08/09 16:50	04/10/09 14:15
4015961030	P-101	Water	04/08/09 17:20	04/10/09 14:15
4015961031	MW-106	Water	04/08/09 16:25	04/10/09 14:15
4015961032	MW-101	Water	04/08/09 17:05	04/10/09 14:15
4015961033	MW-108	Water	04/08/09 17:30	04/10/09 14:15
4015961034	LC-2	Water	04/09/09 13:15	04/10/09 14:15
4015961035	LC-3	Water	04/09/09 13:35	04/10/09 14:15
4015961036	TB-1	Water	04/06/09 00:00	04/10/09 14:15
4015961037	TB-2	Water	04/06/09 00:00	04/10/09 14:15

### REPORT OF LABORATORY ANALYSIS

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**SAMPLE ANALYTE COUNT**

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4015961004	P-116	EPA 8260	SMT	45	PASI-G
4015961005	P-114	EPA 8260	SMT	45	PASI-G
4015961006	P-115	EPA 8260	SMT	45	PASI-G
4015961007	P-113A	EPA 8260	SMT	45	PASI-G
4015961008	P-113B	EPA 8260	SMT	45	PASI-G
4015961009	P-113B DUP	EPA 8260	SMT	45	PASI-G
4015961010	MW-3A	EPA 8260	SMT	45	PASI-G
4015961011	MW-3B	EPA 8260	SMT	45	PASI-G
4015961012	P-111	EPA 8260	SMT	45	PASI-G
4015961013	P-111D	EPA 8260	SMT	45	PASI-G
4015961014	P-107	EPA 8260	SMT	45	PASI-G
4015961015	P-107D	EPA 8260	SMT	45	PASI-G
4015961016	P-103	EPA 8260	SMT	45	PASI-G
4015961017	P-103D	EPA 8260	SMT	45	PASI-G
4015961018	P-103D DUP	EPA 8260	SMT	45	PASI-G
4015961019	P-104	EPA 8260	SMT	45	PASI-G
4015961020	MW-107	EPA 8260	SMT	45	PASI-G
4015961021	MW-103	EPA 8260	JJB	45	PASI-G
4015961022	MW-112	EPA 8260	JJB	45	PASI-G
4015961023	MW-104	EPA 8260	JJB	45	PASI-G
4015961024	MW-111	EPA 8260	JJB	45	PASI-G
4015961025	P-106	EPA 8260	JJB	45	PASI-G
4015961026	P-106 DUP	EPA 8260	JJB	45	PASI-G
4015961027	P-108	EPA 8260	JJB	45	PASI-G
4015961028	MW-102	EPA 8260	JJB	45	PASI-G
4015961029	P-102	EPA 8260	JJB	45	PASI-G
4015961030	P-101	EPA 8260	JJB	45	PASI-G
4015961031	MW-106	EPA 8260	JJB	45	PASI-G
4015961032	MW-101	EPA 8260	JJB	45	PASI-G
4015961033	MW-108	EPA 8260	JJB	45	PASI-G
4015961034	LC-2	EPA 8260	JJB	45	PASI-G
4015961035	LC-3	EPA 8260	JJB	45	PASI-G
4015961036	TB-1	EPA 8260	JJB	45	PASI-G
4015961037	TB-2	EPA 8260	JJB	45	PASI-G

**REPORT OF LABORATORY ANALYSIS**

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-116 Lab ID: 4015961004 Collected: 04/06/09 14:55 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 11:32	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 11:32	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 11:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 11:32	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 11:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 11:32	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 11:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 11:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 11:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 11:32	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 11:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 11:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 11:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 11:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 11:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 11:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 11:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 11:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 11:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 11:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 11:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 11:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 11:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 11:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 11:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 11:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 11:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 11:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 11:32	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 11:32	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 11:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 11:32	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 11:32	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 11:32	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 11:32	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 11:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 11:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 11:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 11:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 11:32	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 11:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 11:32	1330-20-7	
4-Bromofluorobenzene (S)	81 %		70-130		1		04/14/09 11:32	460-00-4	
Dibromofluoromethane (S)	89 %		70-130		1		04/14/09 11:32	1868-53-7	
Toluene-d8 (S)	89 %		70-130		1		04/14/09 11:32	2037-26-5	

Date: 04/21/2009 02:21 PM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL

Pace Project No.: 4015961

Sample: P-114      Lab ID: 4015961005      Collected: 04/06/09 15:20      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 11:09	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 11:09	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 11:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 11:09	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 11:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 11:09	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 11:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 11:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 11:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 11:09	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 11:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 11:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 11:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 11:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 11:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 11:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 11:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 11:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 11:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 11:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 11:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 11:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 11:09	75-35-4	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.83	1		04/14/09 11:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 11:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 11:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 11:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 11:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 11:09	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 11:09	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 11:09	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 11:09	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 11:09	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 11:09	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 11:09	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 11:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 11:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 11:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 11:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 11:09	75-69-4	
Vinyl chloride	6.5	ug/L	1.0	0.18	1		04/14/09 11:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 11:09	1330-20-7	
4-Bromofluorobenzene (S)	83 %		70-130		1		04/14/09 11:09	460-00-4	
Dibromofluoromethane (S)	92 %		70-130		1		04/14/09 11:09	1868-53-7	
Toluene-d8 (S)	89 %		70-130		1		04/14/09 11:09	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-115 Lab ID: 4015961006 Collected: 04/06/09 15:45 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 11:56	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 11:56	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 11:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 11:56	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 11:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 11:56	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 11:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 11:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 11:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 11:56	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 11:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 11:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 11:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 11:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 11:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 11:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 11:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 11:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 11:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 11:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 11:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 11:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 11:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 11:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 11:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 11:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 11:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 11:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 11:56	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 11:56	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 11:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 11:56	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 11:56	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 11:56	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 11:56	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 11:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 11:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 11:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 11:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 11:56	75-69-4	
Vinyl chloride	1.3	ug/L	1.0	0.18	1		04/14/09 11:56	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 11:56	1330-20-7	
4-Bromofluorobenzene (S)	81	%	70-130		1		04/14/09 11:56	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		04/14/09 11:56	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		04/14/09 11:56	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-113A Lab ID: 4015961007 Collected: 04/06/09 16:55 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 12:19	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 12:19	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 12:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 12:19	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 12:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 12:19	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 12:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 12:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 12:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 12:19	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 12:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 12:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 12:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 12:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 12:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 12:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 12:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 12:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 12:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 12:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 12:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 12:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 12:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 12:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 12:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 12:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 12:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 12:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 12:19	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 12:19	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 12:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 12:19	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 12:19	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 12:19	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 12:19	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 12:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 12:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 12:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 12:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 12:19	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 12:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 12:19	1330-20-7	
4-Bromofluorobenzene (S)	80 %		70-130		1		04/14/09 12:19	460-00-4	
Dibromofluoromethane (S)	88 %		70-130		1		04/14/09 12:19	1868-53-7	
Toluene-d8 (S)	83 %		70-130		1		04/14/09 12:19	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-113B Lab ID: 4015961008 Collected: 04/06/09 17:15 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 12:42	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 12:42	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 12:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 12:42	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 12:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 12:42	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 12:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 12:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 12:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 12:42	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 12:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 12:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 12:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 12:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 12:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 12:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 12:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 12:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 12:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 12:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 12:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 12:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 12:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 12:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 12:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 12:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 12:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 12:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 12:42	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 12:42	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 12:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 12:42	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 12:42	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 12:42	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 12:42	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 12:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 12:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 12:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 12:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 12:42	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 12:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 12:42	1330-20-7	
4-Bromofluorobenzene (S)	82 %		70-130		1		04/14/09 12:42	460-00-4	
Dibromofluoromethane (S)	89 %		70-130		1		04/14/09 12:42	1868-53-7	
Toluene-d8 (S)	87 %		70-130		1		04/14/09 12:42	2037-26-5	



### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-113B DUP Lab ID: 4015961009 Collected: 04/06/09 17:20 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 13:06	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 13:06	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 13:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 13:06	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 13:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 13:06	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 13:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 13:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 13:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 13:06	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 13:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 13:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 13:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 13:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 13:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 13:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 13:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 13:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 13:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 13:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 13:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 13:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 13:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 13:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 13:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 13:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 13:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 13:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 13:06	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 13:06	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 13:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 13:06	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 13:06	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 13:06	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 13:06	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 13:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 13:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 13:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 13:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 13:06	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 13:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 13:06	1330-20-7	
4-Bromofluorobenzene (S)	81 %		70-130		1		04/14/09 13:06	460-00-4	
Dibromofluoromethane (S)	89 %		70-130		1		04/14/09 13:06	1868-53-7	
Toluene-d8 (S)	87 %		70-130		1		04/14/09 13:06	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-3A Lab ID: 4015961010 Collected: 04/07/09 09:15 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 13:29	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 13:29	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 13:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 13:29	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 13:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 13:29	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 13:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 13:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 13:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 13:29	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 13:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 13:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 13:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 13:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 13:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 13:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 13:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 13:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 13:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 13:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 13:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 13:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 13:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 13:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 13:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 13:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 13:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 13:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 13:29	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 13:29	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 13:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 13:29	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 13:29	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 13:29	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 13:29	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 13:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 13:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 13:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 13:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 13:29	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 13:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 13:29	1330-20-7	
4-Bromofluorobenzene (S)	82 %		70-130		1		04/14/09 13:29	460-00-4	
Dibromofluoromethane (S)	90 %		70-130		1		04/14/09 13:29	1868-53-7	
Toluene-d8 (S)	89 %		70-130		1		04/14/09 13:29	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-3B Lab ID: 4015961011 Collected: 04/07/09 09:35 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 13:52	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 13:52	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 13:52	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 13:52	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 13:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 13:52	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 13:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 13:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 13:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 13:52	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 13:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 13:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 13:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 13:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 13:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 13:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 13:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 13:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 13:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 13:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 13:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 13:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 13:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 13:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 13:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 13:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 13:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 13:52	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 13:52	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 13:52	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 13:52	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 13:52	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 13:52	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 13:52	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 13:52	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 13:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 13:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 13:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 13:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 13:52	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 13:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 13:52	1330-20-7	
4-Bromofluorobenzene (S)	82 %		70-130		1		04/14/09 13:52	460-00-4	
Dibromofluoromethane (S)	89 %		70-130		1		04/14/09 13:52	1868-53-7	
Toluene-d8 (S)	89 %		70-130		1		04/14/09 13:52	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-111 Lab ID: 4015961012 Collected: 04/07/09 10:30 Received: 04/10/09 14:15 Matrix: Water

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

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL

Pace Project No.: 4015961

Sample: P-111D Lab ID: 4015961013 Collected: 04/07/09 10:55 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 14:46	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 14:46	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 14:46	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 14:46	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 14:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 14:46	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 14:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 14:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 14:46	108-90-7	
Chloroethane	1.4	ug/L	1.0	0.97	1		04/15/09 14:46	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 14:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 14:46	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 14:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 14:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 14:46	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 14:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 14:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 14:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 14:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 14:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 14:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 14:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 14:46	75-35-4	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.83	1		04/15/09 14:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 14:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 14:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 14:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 14:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 14:46	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 14:46	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 14:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 14:46	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 14:46	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 14:46	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 14:46	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 14:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 14:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 14:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 14:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 14:46	75-69-4	
Vinyl chloride	5.5	ug/L	1.0	0.18	1		04/15/09 14:46	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 14:46	1330-20-7	
4-Bromofluorobenzene (S)	78	%	70-130		1		04/15/09 14:46	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		04/15/09 14:46	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		04/15/09 14:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-107 Lab ID: 4015961014 Collected: 04/07/09 12:10 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 08:45	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 08:45	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 08:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 08:45	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 08:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 08:45	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 08:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 08:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 08:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 08:45	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 08:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 08:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 08:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 08:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 08:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 08:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 08:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 08:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 08:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 08:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 08:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 08:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 08:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 08:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 08:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 08:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 08:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 08:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 08:45	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 08:45	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 08:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 08:45	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 08:45	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 08:45	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 08:45	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 08:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 08:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 08:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 08:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 08:45	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/15/09 08:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 08:45	1330-20-7	
4-Bromofluorobenzene (S)	76 %		70-130		1		04/15/09 08:45	460-00-4	
Dibromofluoromethane (S)	93 %		70-130		1		04/15/09 08:45	1868-53-7	
Toluene-d8 (S)	89 %		70-130		1		04/15/09 08:45	2037-26-5	

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-107D Lab ID: 4015961015 Collected: 04/07/09 12:40 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 09:08	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 09:08	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 09:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 09:08	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 09:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 09:08	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 09:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 09:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 09:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 09:08	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 09:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 09:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 09:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 09:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 09:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 09:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 09:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 09:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 09:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 09:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 09:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 09:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 09:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 09:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 09:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 09:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 09:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 09:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 09:08	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 09:08	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 09:08	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 09:08	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 09:08	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 09:08	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 09:08	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 09:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 09:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 09:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 09:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 09:08	75-69-4	
Vinyl chloride	2.5	ug/L	1.0	0.18	1		04/15/09 09:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 09:08	1330-20-7	
4-Bromofluorobenzene (S)	78 %		70-130		1		04/15/09 09:08	460-00-4	
Dibromofluoromethane (S)	94 %		70-130		1		04/15/09 09:08	1868-53-7	
Toluene-d8 (S)	92 %		70-130		1		04/15/09 09:08	2037-26-5	



### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-103      Lab ID: 4015961016      Collected: 04/07/09 14:05      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA8260									
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 09:31	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 09:31	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 09:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 09:31	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 09:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 09:31	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 09:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 09:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 09:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 09:31	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 09:31	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 09:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 09:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 09:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 09:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 09:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 09:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 09:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 09:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 09:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 09:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 09:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 09:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 09:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 09:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 09:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 09:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 09:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 09:31	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 09:31	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 09:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 09:31	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 09:31	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 09:31	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 09:31	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 09:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 09:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 09:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 09:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 09:31	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/15/09 09:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 09:31	1330-20-7	
4-Bromofluorobenzene (S)	78 %		70-130		1		04/15/09 09:31	460-00-4	
Dibromofluoromethane (S)	94 %		70-130		1		04/15/09 09:31	1868-53-7	
Toluene-d8 (S)	87 %		70-130		1		04/15/09 09:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-103D Lab ID: 4015961017 Collected: 04/07/09 14:25 Received: 04/10/09 14:15 Matrix: Water

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

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Sample Project No.: 4015961

Sample: P-103D DUP Lab ID: 4015961018 Collected: 04/07/09 14:30 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 10:18	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 10:18	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 10:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 10:18	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 10:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 10:18	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 10:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 10:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 10:18	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 10:18	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 10:18	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 10:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 10:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 10:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 10:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 10:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 10:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 10:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 10:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 10:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 10:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 10:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 10:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 10:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 10:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 10:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 10:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 10:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 10:18	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 10:18	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 10:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 10:18	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 10:18	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 10:18	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 10:18	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 10:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 10:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 10:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 10:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 10:18	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/15/09 10:18	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 10:18	1330-20-7	
4-Bromofluorobenzene (S)	77 %		70-130		1		04/15/09 10:18	460-00-4	
Dibromofluoromethane (S)	91 %		70-130		1		04/15/09 10:18	1868-53-7	
Toluene-d8 (S)	90 %		70-130		1		04/15/09 10:18	2037-26-5	

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-104      Lab ID: 4015961019      Collected: 04/07/09 16:10      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 10:41	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 10:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 10:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 10:41	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 10:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 10:41	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 10:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 10:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 10:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 10:41	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 10:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 10:41	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 10:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 10:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 10:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 10:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 10:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 10:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 10:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 10:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 10:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 10:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 10:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 10:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 10:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 10:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 10:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 10:41	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 10:41	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 10:41	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 10:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 10:41	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 10:41	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 10:41	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 10:41	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 10:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 10:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 10:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 10:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 10:41	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/15/09 10:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 10:41	1330-20-7	
4-Bromofluorobenzene (S)	77 %		70-130		1		04/15/09 10:41	460-00-4	
Dibromofluoromethane (S)	91 %		70-130		1		04/15/09 10:41	1868-53-7	
Toluene-d8 (S)	93 %		70-130		1		04/15/09 10:41	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-107 Lab ID: 4015961020 Collected: 04/07/09 17:15 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/15/09 11:05	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/15/09 11:05	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/15/09 11:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/15/09 11:05	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/15/09 11:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/15/09 11:05	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/15/09 11:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/15/09 11:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/15/09 11:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/15/09 11:05	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/15/09 11:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/15/09 11:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/15/09 11:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/15/09 11:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/15/09 11:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/15/09 11:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/15/09 11:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/15/09 11:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/15/09 11:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/15/09 11:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/15/09 11:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/15/09 11:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/15/09 11:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/15/09 11:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/15/09 11:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/15/09 11:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/15/09 11:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/15/09 11:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/15/09 11:05	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/15/09 11:05	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/15/09 11:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/15/09 11:05	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/15/09 11:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/15/09 11:05	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/15/09 11:05	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/15/09 11:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/15/09 11:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/15/09 11:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/15/09 11:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/15/09 11:05	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/15/09 11:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/15/09 11:05	1330-20-7	
4-Bromofluorobenzene (S)	77 %		70-130		1		04/15/09 11:05	460-00-4	
Dibromofluoromethane (S)	93 %		70-130		1		04/15/09 11:05	1868-53-7	
Toluene-d8 (S)	92 %		70-130		1		04/15/09 11:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-103 Lab ID: 4015961021 Collected: 04/07/09 17:35 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/13/09 23:19	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/13/09 23:19	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/13/09 23:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/13/09 23:19	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/13/09 23:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/13/09 23:19	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/13/09 23:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/13/09 23:19	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/13/09 23:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/13/09 23:19	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/13/09 23:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/13/09 23:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/13/09 23:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/13/09 23:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/13/09 23:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/13/09 23:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/13/09 23:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/13/09 23:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/13/09 23:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/13/09 23:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/13/09 23:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/13/09 23:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/13/09 23:19	75-35-4	
cis-1,2-Dichloroethene	7.7	ug/L	1.0	0.83	1		04/13/09 23:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/13/09 23:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/13/09 23:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/13/09 23:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/13/09 23:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/13/09 23:19	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/13/09 23:19	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/13/09 23:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/13/09 23:19	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/13/09 23:19	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/13/09 23:19	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/13/09 23:19	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/13/09 23:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/13/09 23:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/13/09 23:19	79-00-5	
Trichloroethene	3.1	ug/L	1.0	0.48	1		04/13/09 23:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/13/09 23:19	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/13/09 23:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/13/09 23:19	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/13/09 23:19	460-00-4	
Dibromofluoromethane (S)	114 %		70-130		1		04/13/09 23:19	1868-53-7	
Toluene-d8 (S)	94 %		70-130		1		04/13/09 23:19	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-112 Lab ID: 4015961022 Collected: 04/07/09 17:50 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/13/09 23:42	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/13/09 23:42	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/13/09 23:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/13/09 23:42	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/13/09 23:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/13/09 23:42	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/13/09 23:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/13/09 23:42	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/13/09 23:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/13/09 23:42	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/13/09 23:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/13/09 23:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/13/09 23:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/13/09 23:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/13/09 23:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/13/09 23:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/13/09 23:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/13/09 23:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/13/09 23:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/13/09 23:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/13/09 23:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/13/09 23:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/13/09 23:42	75-35-4	
cis-1,2-Dichloroethene	5.1	ug/L	1.0	0.83	1		04/13/09 23:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/13/09 23:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/13/09 23:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/13/09 23:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/13/09 23:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/13/09 23:42	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/13/09 23:42	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/13/09 23:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/13/09 23:42	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/13/09 23:42	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/13/09 23:42	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/13/09 23:42	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/13/09 23:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/13/09 23:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/13/09 23:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/13/09 23:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/13/09 23:42	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/13/09 23:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/13/09 23:42	1330-20-7	
4-Bromofluorobenzene (S)	91 %		70-130		1		04/13/09 23:42	460-00-4	
Dibromofluoromethane (S)	117 %		70-130		1		04/13/09 23:42	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/13/09 23:42	2037-26-5	



### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-104 Lab ID: 4015961023 Collected: 04/07/09 18:05 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 00:06	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 00:06	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 00:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 00:06	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 00:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 00:06	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 00:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 00:06	56-23-5	L1
Chlorobenzene	3.5	ug/L	1.0	0.41	1		04/14/09 00:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 00:06	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 00:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 00:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 00:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 00:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 00:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 00:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 00:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 00:06	541-73-1	
1,4-Dichlorobenzene	2.3	ug/L	1.0	0.95	1		04/14/09 00:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 00:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 00:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 00:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 00:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 00:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 00:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 00:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 00:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 00:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 00:06	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 00:06	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 00:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 00:06	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 00:06	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 00:06	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 00:06	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 00:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 00:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 00:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 00:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 00:06	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 00:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 00:06	1330-20-7	
4-Bromofluorobenzene (S)	91	%	70-130		1		04/14/09 00:06	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		04/14/09 00:06	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		04/14/09 00:06	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-111 Lab ID: 4015961024 Collected: 04/07/09 16:55 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 00:30	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 00:30	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 00:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 00:30	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 00:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 00:30	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 00:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 00:30	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 00:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 00:30	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 00:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 00:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 00:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 00:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 00:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 00:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 00:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 00:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 00:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 00:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 00:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 00:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 00:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 00:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 00:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 00:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 00:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 00:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 00:30	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 00:30	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 00:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 00:30	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 00:30	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 00:30	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 00:30	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 00:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 00:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 00:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 00:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 00:30	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 00:30	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 00:30	1330-20-7	
4-Bromofluorobenzene (S)	90 %		70-130		1		04/14/09 00:30	460-00-4	
Dibromofluoromethane (S)	119 %		70-130		1		04/14/09 00:30	1868-53-7	
Toluene-d8 (S)	94 %		70-130		1		04/14/09 00:30	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL

Pace Project No.: 4015961

Sample: P-106      Lab ID: 4015961025      Collected: 04/08/09 09:25      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 00:53	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 00:53	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 00:53	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 00:53	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 00:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 00:53	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 00:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 00:53	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 00:53	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 00:53	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 00:53	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 00:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 00:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 00:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 00:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 00:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 00:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 00:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 00:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 00:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 00:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 00:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 00:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 00:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 00:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 00:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 00:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 00:53	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 00:53	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 00:53	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 00:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 00:53	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 00:53	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 00:53	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 00:53	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 00:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 00:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 00:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 00:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 00:53	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 00:53	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 00:53	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/14/09 00:53	460-00-4	
Dibromofluoromethane (S)	120 %		70-130		1		04/14/09 00:53	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/14/09 00:53	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-106 DUP Lab ID: 4015961026 Collected: 04/08/09 09:25 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 01:17	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 01:17	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 01:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 01:17	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 01:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 01:17	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 01:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 01:17	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 01:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 01:17	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 01:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 01:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 01:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 01:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 01:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 01:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 01:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 01:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 01:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 01:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 01:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 01:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 01:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 01:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 01:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 01:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 01:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 01:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 01:17	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 01:17	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 01:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 01:17	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 01:17	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 01:17	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 01:17	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 01:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 01:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 01:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 01:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 01:17	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 01:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 01:17	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/14/09 01:17	460-00-4	
Dibromofluoromethane (S)	121 %		70-130		1		04/14/09 01:17	1868-53-7	
Toluene-d8 (S)	93 %		70-130		1		04/14/09 01:17	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-108 Lab ID: 4015961027 Collected: 04/08/09 17:40 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 01:41	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 01:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 01:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 01:41	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 01:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 01:41	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 01:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 01:41	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 01:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 01:41	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 01:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 01:41	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 01:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 01:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 01:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 01:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 01:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 01:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 01:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 01:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 01:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 01:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 01:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 01:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 01:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 01:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 01:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 01:41	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 01:41	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 01:41	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 01:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 01:41	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 01:41	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 01:41	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 01:41	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 01:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 01:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 01:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 01:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 01:41	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 01:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 01:41	1330-20-7	
4-Bromofluorobenzene (S)	88 %		70-130		1		04/14/09 01:41	460-00-4	
Dibromofluoromethane (S)	121 %		70-130		1		04/14/09 01:41	1868-53-7	
Toluene-d8 (S)	93 %		70-130		1		04/14/09 01:41	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-102 Lab ID: 4015961028 Collected: 04/08/09 16:40 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 02:05	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 02:05	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 02:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 02:05	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 02:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 02:05	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 02:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 02:05	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 02:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 02:05	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 02:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 02:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 02:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 02:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 02:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 02:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 02:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 02:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 02:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 02:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 02:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 02:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 02:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 02:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 02:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 02:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 02:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 02:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 02:05	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 02:05	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 02:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 02:05	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 02:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 02:05	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 02:05	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 02:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 02:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 02:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 02:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 02:05	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 02:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 02:05	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/14/09 02:05	460-00-4	
Dibromofluoromethane (S)	122 %		70-130		1		04/14/09 02:05	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/14/09 02:05	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-102 Lab ID: 4015961029 Collected: 04/08/09 16:50 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 02:28	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 02:28	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 02:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 02:28	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 02:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 02:28	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 02:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 02:28	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 02:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 02:28	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 02:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 02:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 02:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 02:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 02:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 02:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 02:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 02:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 02:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 02:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 02:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 02:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 02:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 02:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 02:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 02:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 02:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 02:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 02:28	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 02:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 02:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 02:28	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 02:28	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 02:28	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 02:28	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 02:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 02:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 02:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 02:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 02:28	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 02:28	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 02:28	1330-20-7	
4-Bromofluorobenzene (S)	88 %		70-130		1		04/14/09 02:28	460-00-4	
Dibromofluoromethane (S)	122 %		70-130		1		04/14/09 02:28	1868-53-7	
Toluene-d8 (S)	94 %		70-130		1		04/14/09 02:28	2037-26-5	



### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: P-101 Lab ID: 4015961030 Collected: 04/08/09 17:20 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 02:52	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 02:52	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 02:52	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 02:52	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 02:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 02:52	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 02:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 02:52	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 02:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 02:52	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 02:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 02:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 02:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 02:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 02:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 02:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 02:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 02:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 02:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 02:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 02:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 02:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 02:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 02:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 02:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 02:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 02:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 02:52	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 02:52	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 02:52	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 02:52	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 02:52	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 02:52	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 02:52	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 02:52	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 02:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 02:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 02:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 02:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 02:52	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 02:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 02:52	1330-20-7	
4-Bromofluorobenzene (S)	88 %		70-130		1		04/14/09 02:52	460-00-4	
Dibromofluoromethane (S)	125 %		70-130		1		04/14/09 02:52	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/14/09 02:52	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-106      Lab ID: 4015961031      Collected: 04/08/09 16:25      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 03:15	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 03:15	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 03:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 03:15	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 03:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 03:15	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 03:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 03:15	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 03:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 03:15	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 03:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 03:15	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 03:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 03:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 03:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 03:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 03:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 03:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 03:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 03:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 03:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 03:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 03:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 03:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 03:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 03:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 03:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 03:15	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 03:15	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 03:15	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 03:15	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 03:15	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 03:15	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 03:15	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 03:15	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 03:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 03:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 03:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 03:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 03:15	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 03:15	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 03:15	1330-20-7	
4-Bromofluorobenzene (S)	90 %		70-130		1		04/14/09 03:15	460-00-4	
Dibromofluoromethane (S)	121 %		70-130		1		04/14/09 03:15	1868-53-7	
Toluene-d8 (S)	94 %		70-130		1		04/14/09 03:15	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-101 Lab ID: 4015961032 Collected: 04/08/09 17:05 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA8260							
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 03:39	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 03:39	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 03:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 03:39	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 03:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 03:39	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 03:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 03:39	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 03:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 03:39	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 03:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 03:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 03:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 03:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 03:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 03:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 03:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 03:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 03:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 03:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 03:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 03:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 03:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 03:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 03:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 03:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 03:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 03:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 03:39	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 03:39	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 03:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 03:39	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 03:39	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 03:39	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 03:39	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 03:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 03:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 03:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 03:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 03:39	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 03:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 03:39	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/14/09 03:39	460-00-4	
Dibromofluoromethane (S)	124 %		70-130		1		04/14/09 03:39	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/14/09 03:39	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: MW-108 Lab ID: 4015961033 Collected: 04/08/09 17:30 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/14/09 04:03	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/14/09 04:03	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/14/09 04:03	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/14/09 04:03	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/14/09 04:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/14/09 04:03	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/14/09 04:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/14/09 04:03	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/14/09 04:03	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/14/09 04:03	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/14/09 04:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/14/09 04:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/14/09 04:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/14/09 04:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/14/09 04:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/14/09 04:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/14/09 04:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/14/09 04:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/14/09 04:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/14/09 04:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/14/09 04:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/14/09 04:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/14/09 04:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/14/09 04:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/14/09 04:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/14/09 04:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/14/09 04:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/14/09 04:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/14/09 04:03	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/14/09 04:03	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/14/09 04:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/14/09 04:03	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/14/09 04:03	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/14/09 04:03	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/14/09 04:03	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/14/09 04:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/14/09 04:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/14/09 04:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/14/09 04:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/14/09 04:03	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/14/09 04:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/14/09 04:03	1330-20-7	
4-Bromofluorobenzene (S)	90 %		70-130		1		04/14/09 04:03	460-00-4	
Dibromofluoromethane (S)	124 %		70-130		1		04/14/09 04:03	1868-53-7	
Toluene-d8 (S)	96 %		70-130		1		04/14/09 04:03	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: LC-2 Lab ID: 4015961034 Collected: 04/09/09 13:15 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA8260									
Acetone	ND	ug/L	100	25.0	5		04/14/09 04:51	67-64-1	
Benzene	10.9	ug/L	5.0	2.0	5		04/14/09 04:51	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	2.8	5		04/14/09 04:51	75-27-4	
Bromoform	ND	ug/L	5.0	4.7	5		04/14/09 04:51	75-25-2	
Bromomethane	ND	ug/L	5.0	4.6	5		04/14/09 04:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	21.5	5		04/14/09 04:51	78-93-3	
Carbon disulfide	ND	ug/L	5.0	3.3	5		04/14/09 04:51	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.4	5		04/14/09 04:51	56-23-5	L1
Chlorobenzene	45.9	ug/L	5.0	2.0	5		04/14/09 04:51	108-90-7	
Chloroethane	ND	ug/L	5.0	4.8	5		04/14/09 04:51	75-00-3	
Chloroform	ND	ug/L	25.0	6.5	5		04/14/09 04:51	67-66-3	
Chloromethane	ND	ug/L	5.0	1.2	5		04/14/09 04:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	8.4	5		04/14/09 04:51	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	4.0	5		04/14/09 04:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	2.8	5		04/14/09 04:51	106-93-4	
Dibromomethane	ND	ug/L	5.0	3.0	5		04/14/09 04:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	4.2	5		04/14/09 04:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	4.4	5		04/14/09 04:51	541-73-1	
1,4-Dichlorobenzene	16.3	ug/L	5.0	4.8	5		04/14/09 04:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5.0	5		04/14/09 04:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	3.8	5		04/14/09 04:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	5		04/14/09 04:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	2.8	5		04/14/09 04:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	4.2	5		04/14/09 04:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	4.4	5		04/14/09 04:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	2.4	5		04/14/09 04:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.0	5		04/14/09 04:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	0.95	5		04/14/09 04:51	10061-02-6	
Ethylbenzene	91.3	ug/L	5.0	2.7	5		04/14/09 04:51	100-41-4	
Methylene Chloride	ND	ug/L	5.0	2.2	5		04/14/09 04:51	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.0	5		04/14/09 04:51	1634-04-4	
Naphthalene	ND	ug/L	25.0	4.4	5		04/14/09 04:51	91-20-3	
Styrene	ND	ug/L	5.0	4.3	5		04/14/09 04:51	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	2.2	5		04/14/09 04:51	127-18-4	
Tetrahydrofuran	138	ug/L	25.0	8.5	5		04/14/09 04:51	109-99-9	
Toluene	ND	ug/L	5.0	3.4	5		04/14/09 04:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	4.5	5		04/14/09 04:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.1	5		04/14/09 04:51	79-00-5	
Trichloroethene	ND	ug/L	5.0	2.4	5		04/14/09 04:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	4.0	5		04/14/09 04:51	75-69-4	
Vinyl chloride	ND	ug/L	5.0	0.90	5		04/14/09 04:51	75-01-4	
Xylene (Total)	618	ug/L	15.0	13.0	5		04/14/09 04:51	1330-20-7	
4-Bromofluorobenzene (S)	96 %		70-130		5		04/14/09 04:51	460-00-4	
Dibromofluoromethane (S)	118 %		70-130		5		04/14/09 04:51	1868-53-7	pH
Toluene-d8 (S)	92 %		70-130		5		04/14/09 04:51	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL

Pace Project No.: 4015961

Sample: LC-3 Lab ID: 4015961035 Collected: 04/09/09 13:35 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	56.9	ug/L	40.0	10	2		04/14/09 04:27	67-64-1	
Benzene	ND	ug/L	2.0	0.82	2		04/14/09 04:27	71-43-2	
Bromodichloromethane	ND	ug/L	2.0	1.1	2		04/14/09 04:27	75-27-4	
Bromoform	ND	ug/L	2.0	1.9	2		04/14/09 04:27	75-25-2	
Bromomethane	ND	ug/L	2.0	1.8	2		04/14/09 04:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	40.0	8.6	2		04/14/09 04:27	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.3	2		04/14/09 04:27	75-15-0	
Carbon tetrachloride	ND	ug/L	2.0	0.98	2		04/14/09 04:27	56-23-5	L1
Chlorobenzene	ND	ug/L	2.0	0.82	2		04/14/09 04:27	108-90-7	
Chloroethane	ND	ug/L	2.0	1.9	2		04/14/09 04:27	75-00-3	
Chloroform	ND	ug/L	10.0	2.6	2		04/14/09 04:27	67-66-3	
Chloromethane	ND	ug/L	2.0	0.48	2		04/14/09 04:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	3.4	2		04/14/09 04:27	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	1.6	2		04/14/09 04:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.1	2		04/14/09 04:27	106-93-4	
Dibromomethane	ND	ug/L	2.0	1.2	2		04/14/09 04:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	1.7	2		04/14/09 04:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	1.7	2		04/14/09 04:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	1.9	2		04/14/09 04:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2.0	2		04/14/09 04:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	1.5	2		04/14/09 04:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.72	2		04/14/09 04:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	1.1	2		04/14/09 04:27	75-35-4	
cis-1,2-Dichloroethene	296	ug/L	2.0	1.7	2		04/14/09 04:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.8	2		04/14/09 04:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.98	2		04/14/09 04:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.40	2		04/14/09 04:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.38	2		04/14/09 04:27	10061-02-6	
Ethylbenzene	2.2	ug/L	2.0	1.1	2		04/14/09 04:27	100-41-4	
Methylene Chloride	3.9	ug/L	2.0	0.86	2		04/14/09 04:27	75-09-2	Z3
Methyl-tert-butyl ether	ND	ug/L	2.0	1.2	2		04/14/09 04:27	1634-04-4	
Naphthalene	ND	ug/L	10.0	1.8	2		04/14/09 04:27	91-20-3	
Styrene	ND	ug/L	2.0	1.7	2		04/14/09 04:27	100-42-5	
Tetrachloroethene	ND	ug/L	2.0	0.90	2		04/14/09 04:27	127-18-4	
Tetrahydrofuran	22.0	ug/L	10.0	3.4	2		04/14/09 04:27	109-99-9	
Toluene	13.6	ug/L	2.0	1.3	2		04/14/09 04:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	2.0	1.8	2		04/14/09 04:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.84	2		04/14/09 04:27	79-00-5	
Trichloroethene	22.0	ug/L	2.0	0.96	2		04/14/09 04:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	1.6	2		04/14/09 04:27	75-69-4	
Vinyl chloride	11.3	ug/L	2.0	0.36	2		04/14/09 04:27	75-01-4	
Xylene (Total)	17.3	ug/L	6.0	5.2	2		04/14/09 04:27	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-130		2		04/14/09 04:27	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		2		04/14/09 04:27	1868-53-7	
Toluene-d8 (S)	93	%	70-130		2		04/14/09 04:27	2037-26-5	

### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: TB-1 Lab ID: 4015961036 Collected: 04/06/09 00:00 Received: 04/10/09 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	5.0	1		04/13/09 21:44	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/13/09 21:44	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/13/09 21:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/13/09 21:44	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/13/09 21:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/13/09 21:44	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/13/09 21:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/13/09 21:44	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/13/09 21:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/13/09 21:44	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/13/09 21:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/13/09 21:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/13/09 21:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/13/09 21:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/13/09 21:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/13/09 21:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/13/09 21:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/13/09 21:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/13/09 21:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/13/09 21:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/13/09 21:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/13/09 21:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/13/09 21:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/13/09 21:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/13/09 21:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/13/09 21:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/13/09 21:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/13/09 21:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/13/09 21:44	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/13/09 21:44	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/13/09 21:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/13/09 21:44	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/13/09 21:44	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/13/09 21:44	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/13/09 21:44	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/13/09 21:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/13/09 21:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/13/09 21:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/13/09 21:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/13/09 21:44	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/13/09 21:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/13/09 21:44	1330-20-7	
4-Bromofluorobenzene (S)	90 %		70-130		1		04/13/09 21:44	460-00-4	
Dibromofluoromethane (S)	117 %		70-130		1		04/13/09 21:44	1868-53-7	
Toluene-d8 (S)	94 %		70-130		1		04/13/09 21:44	2037-26-5	



### ANALYTICAL RESULTS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Sample: TB-2      Lab ID: 4015961037      Collected: 04/06/09 00:00      Received: 04/10/09 14:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	20.0	5.0	1		04/13/09 22:55	67-64-1	
Benzene	ND	ug/L	1.0	0.41	1		04/13/09 22:55	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.56	1		04/13/09 22:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.94	1		04/13/09 22:55	75-25-2	
Bromomethane	ND	ug/L	1.0	0.91	1		04/13/09 22:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4.3	1		04/13/09 22:55	78-93-3	
Carbon disulfide	ND	ug/L	1.0	0.66	1		04/13/09 22:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		04/13/09 22:55	56-23-5	L1
Chlorobenzene	ND	ug/L	1.0	0.41	1		04/13/09 22:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.97	1		04/13/09 22:55	75-00-3	
Chloroform	ND	ug/L	5.0	1.3	1		04/13/09 22:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.24	1		04/13/09 22:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.7	1		04/13/09 22:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.81	1		04/13/09 22:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.56	1		04/13/09 22:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.60	1		04/13/09 22:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.83	1		04/13/09 22:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.87	1		04/13/09 22:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.95	1		04/13/09 22:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.99	1		04/13/09 22:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.75	1		04/13/09 22:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.36	1		04/13/09 22:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.57	1		04/13/09 22:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.83	1		04/13/09 22:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.89	1		04/13/09 22:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.49	1		04/13/09 22:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		04/13/09 22:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.19	1		04/13/09 22:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.54	1		04/13/09 22:55	100-41-4	
Methylene Chloride	ND	ug/L	1.0	0.43	1		04/13/09 22:55	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.61	1		04/13/09 22:55	1634-04-4	
Naphthalene	ND	ug/L	5.0	0.89	1		04/13/09 22:55	91-20-3	
Styrene	ND	ug/L	1.0	0.86	1		04/13/09 22:55	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.45	1		04/13/09 22:55	127-18-4	
Tetrahydrofuran	ND	ug/L	5.0	1.7	1		04/13/09 22:55	109-99-9	
Toluene	ND	ug/L	1.0	0.67	1		04/13/09 22:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.90	1		04/13/09 22:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.42	1		04/13/09 22:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.48	1		04/13/09 22:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.79	1		04/13/09 22:55	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.18	1		04/13/09 22:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	2.6	1		04/13/09 22:55	1330-20-7	
4-Bromofluorobenzene (S)	89 %		70-130		1		04/13/09 22:55	460-00-4	
Dibromofluoromethane (S)	112 %		70-130		1		04/13/09 22:55	1868-53-7	
Toluene-d8 (S)	95 %		70-130		1		04/13/09 22:55	2037-26-5	

### QUALITY CONTROL DATA

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

QC Batch: MSV/4175 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 4015961004, 4015961005, 4015961006, 4015961007, 4015961008, 4015961009, 4015961010, 4015961011, 4015961012, 4015961013, 4015961014, 4015961015, 4015961016, 4015961017, 4015961018, 4015961019, 4015961020

METHOD BLANK: 145218 Matrix: Water

Associated Lab Samples: 4015961004, 4015961005, 4015961006, 4015961007, 4015961008, 4015961009, 4015961010, 4015961011, 4015961012, 4015961013, 4015961014, 4015961015, 4015961016, 4015961017, 4015961018, 4015961019, 4015961020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	04/14/09 08:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/14/09 08:49	
1,1-Dichloroethane	ug/L	ND	1.0	04/14/09 08:49	
1,1-Dichloroethene	ug/L	ND	1.0	04/14/09 08:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/14/09 08:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/14/09 08:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/14/09 08:49	
1,2-Dichloroethane	ug/L	ND	1.0	04/14/09 08:49	
1,2-Dichloropropane	ug/L	ND	1.0	04/14/09 08:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/14/09 08:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/14/09 08:49	
2-Butanone (MEK)	ug/L	ND	20.0	04/14/09 08:49	
Acetone	ug/L	ND	20.0	04/14/09 08:49	
Benzene	ug/L	ND	1.0	04/14/09 08:49	
Bromodichloromethane	ug/L	ND	1.0	04/14/09 08:49	
Bromoform	ug/L	ND	1.0	04/14/09 08:49	
Bromomethane	ug/L	ND	1.0	04/14/09 08:49	
Carbon disulfide	ug/L	ND	1.0	04/14/09 08:49	
Carbon tetrachloride	ug/L	ND	1.0	04/14/09 08:49	
Chlorobenzene	ug/L	ND	1.0	04/14/09 08:49	
Chloroethane	ug/L	ND	1.0	04/14/09 08:49	
Chloroform	ug/L	ND	5.0	04/14/09 08:49	
Chloromethane	ug/L	ND	1.0	04/14/09 08:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/14/09 08:49	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/14/09 08:49	
Dibromochloromethane	ug/L	ND	1.0	04/14/09 08:49	
Dibromomethane	ug/L	ND	1.0	04/14/09 08:49	
Dichlorodifluoromethane	ug/L	ND	1.0	04/14/09 08:49	
Ethylbenzene	ug/L	ND	1.0	04/14/09 08:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/14/09 08:49	
Methylene Chloride	ug/L	ND	1.0	04/14/09 08:49	
Naphthalene	ug/L	ND	5.0	04/14/09 08:49	
Styrene	ug/L	ND	1.0	04/14/09 08:49	
Tetrachloroethene	ug/L	ND	1.0	04/14/09 08:49	
Tetrahydrofuran	ug/L	ND	5.0	04/14/09 08:49	
Toluene	ug/L	ND	1.0	04/14/09 08:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/14/09 08:49	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/14/09 08:49	
Trichloroethene	ug/L	ND	1.0	04/14/09 08:49	

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### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

METHOD BLANK: 145218 Matrix: Water

Associated Lab Samples: 4015961004, 4015961005, 4015961006, 4015961007, 4015961008, 4015961009, 4015961010, 4015961011, 4015961012, 4015961013, 4015961014, 4015961015, 4015961016, 4015961017, 4015961018, 4015961019, 4015961020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	ND	1.0	04/14/09 08:49	
Vinyl chloride	ug/L	ND	1.0	04/14/09 08:49	
Xylene (Total)	ug/L	ND	3.0	04/14/09 08:49	
4-Bromofluorobenzene (S)	%	82	70-130	04/14/09 08:49	
Dibromofluoromethane (S)	%	93	70-130	04/14/09 08:49	
Toluene-d8 (S)	%	91	70-130	04/14/09 08:49	

LABORATORY CONTROL SAMPLE & LCSD: 145219 145220

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	53.1	54.1	106	108	75-128	2	20	
1,1,2-Trichloroethane	ug/L	50	53.2	55.4	106	111	75-125	4	20	
1,1-Dichloroethane	ug/L	50	52.1	52.1	104	104	71-130	.06	20	
1,1-Dichloroethene	ug/L	50	51.2	51.5	102	103	75-125	.6	20	
1,2-Dichloroethane	ug/L	50	51.4	52.3	103	105	71-132	2	20	
1,2-Dichloropropane	ug/L	50	51.0	52.3	102	105	73-125	3	20	
2-Butanone (MEK)	ug/L	50	51.0	62.4	102	125	59-130	20	20	
Acetone	ug/L	50	51.1	59.6	102	119	31-150	15	20	
Benzene	ug/L	50	52.4	52.4	105	105	75-125	.02	20	
Bromodichloromethane	ug/L	50	51.8	52.8	104	106	75-125	2	20	
Bromoform	ug/L	50	51.0	52.8	102	106	75-125	3	20	
Bromomethane	ug/L	50	52.6	53.8	105	108	66-125	2	20	
Carbon disulfide	ug/L	50	52.1	53.4	104	107	71-128	2	20	
Carbon tetrachloride	ug/L	50	55.3	55.3	111	111	75-125	.07	20	
Chlorobenzene	ug/L	50	51.5	52.4	103	105	75-125	2	20	
Chloroethane	ug/L	50	49.9	49.4	100	99	72-126	1	20	
Chloroform	ug/L	50	52.3	53.4	105	107	75-125	2	20	
Chloromethane	ug/L	50	44.1	46.0	88	92	46-143	4	20	
cis-1,2-Dichloroethene	ug/L	50	51.8	52.7	104	105	75-125	2	20	
cis-1,3-Dichloropropene	ug/L	50	50.6	52.0	101	104	75-125	3	20	
Dibromochloromethane	ug/L	50	46.5	50.3	93	101	75-125	8	20	
Ethylbenzene	ug/L	50	52.8	54.6	106	109	75-125	3	20	
Methylene Chloride	ug/L	50	50.8	49.4	102	99	75-125	3	20	
Styrene	ug/L	50	48.6	50.4	97	101	75-125	4	20	
Tetrachloroethene	ug/L	50	51.4	53.8	103	108	75-130	5	20	
Toluene	ug/L	50	52.4	53.1	105	106	75-125	1	20	
trans-1,2-Dichloroethene	ug/L	50	50.3	50.0	101	100	75-125	.7	20	
trans-1,3-Dichloropropene	ug/L	50	48.0	48.7	96	97	75-125	1	20	
Trichloroethene	ug/L	50	52.8	51.5	106	103	75-125	2	20	
Vinyl chloride	ug/L	50	46.2	46.9	92	94	65-130	1	20	
Xylene (Total)	ug/L	150	156	160	104	106	75-125	2	20	
4-Bromofluorobenzene (S)	%				84	84	70-130			
Dibromofluoromethane (S)	%				91	91	70-130			
Toluene-d8 (S)	%				90	93	70-130			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 145460		145461		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		4015961005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result									
1,1,1-Trichloroethane	ug/L	ND	50	50	54.2	53.8	108	108	70-130	.8	30			
1,1,2-Trichloroethane	ug/L	ND	50	50	54.7	54.4	109	109	70-130	.5	30			
1,1-Dichloroethane	ug/L	ND	50	50	52.4	51.7	105	103	70-130	1	30			
1,1-Dichloroethene	ug/L	ND	50	50	50.6	51.1	101	102	70-135	1	30			
1,2-Dichloroethane	ug/L	ND	50	50	52.2	51.5	104	103	70-130	1	30			
1,2-Dichloropropane	ug/L	ND	50	50	51.4	51.6	103	103	70-130	.5	30			
2-Butanone (MEK)	ug/L	ND	50	50	55.0	52.0	110	104	51-130	6	30			
Acetone	ug/L	ND	50	50	48.2	49.6	96	99	42-132	3	30			
Benzene	ug/L	ND	50	50	52.4	52.9	105	106	70-130	.9	30			
Bromodichloromethane	ug/L	ND	50	50	51.9	50.4	104	101	70-130	3	30			
Bromoform	ug/L	ND	50	50	50.9	47.9	102	96	70-130	6	30			
Bromomethane	ug/L	ND	50	50	51.3	53.7	103	107	63-147	5	30			
Carbon disulfide	ug/L	ND	50	50	49.5	41.0	99	82	56-142	19	30			
Carbon tetrachloride	ug/L	ND	50	50	55.0	54.6	110	109	70-131	.8	30			
Chlorobenzene	ug/L	ND	50	50	52.3	50.9	105	102	70-130	3	30			
Chloroethane	ug/L	ND	50	50	50.3	48.9	101	98	67-138	3	30			
Chloroform	ug/L	ND	50	50	51.4	51.3	103	103	70-130	.1	30			
Chloromethane	ug/L	ND	50	50	43.1	44.1	86	88	43-150	2	30			
cis-1,2-Dichloroethene	ug/L	1.6	50	50	52.9	54.1	103	105	70-130	2	30			
cis-1,3-Dichloropropene	ug/L	ND	50	50	50.3	45.7	101	91	70-130	9	30			
Dibromochloromethane	ug/L	ND	50	50	47.4	45.2	95	90	70-130	5	30			
Ethylbenzene	ug/L	ND	50	50	53.7	53.0	107	106	70-136	1	30			
Methylene Chloride	ug/L	ND	50	50	51.9	51.9	103	103	70-130	.03	30			
Styrene	ug/L	ND	50	50	38.5	39.4	77	79	70-130	2	30			
Tetrachloroethene	ug/L	ND	50	50	51.7	52.3	103	105	70-130	1	30			
Toluene	ug/L	ND	50	50	52.0	52.1	104	104	70-130	.2	30			
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.0	50.6	100	101	70-130	1	30			
trans-1,3-Dichloropropene	ug/L	ND	50	50	48.4	44.3	97	89	70-130	9	30			
Trichloroethene	ug/L	ND	50	50	52.0	52.7	104	105	70-130	1	30			
Vinyl chloride	ug/L	6.5	50	50	52.8	53.9	93	95	62-138	2	30			
Xylene (Total)	ug/L	ND	150	150	152	153	102	102	70-130	.7	30			
4-Bromofluorobenzene (S)	%						85	82	70-130					
Dibromofluoromethane (S)	%						91	91	70-130					
Toluene-d8 (S)	%						93	92	70-130					

### QUALITY CONTROL DATA

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

QC Batch: MSV/4176 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 4015961021, 4015961022, 4015961023, 4015961024, 4015961025, 4015961026, 4015961027, 4015961028, 4015961029, 4015961030, 4015961031, 4015961032, 4015961033, 4015961034, 4015961035, 4015961036, 4015961037

METHOD BLANK: 145222 Matrix: Water  
Associated Lab Samples: 4015961021, 4015961022, 4015961023, 4015961024, 4015961025, 4015961026, 4015961027, 4015961028, 4015961029, 4015961030, 4015961031, 4015961032, 4015961033, 4015961034, 4015961035, 4015961036, 4015961037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	04/13/09 18:10	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/13/09 18:10	
1,1-Dichloroethane	ug/L	ND	1.0	04/13/09 18:10	
1,1-Dichloroethene	ug/L	ND	1.0	04/13/09 18:10	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/13/09 18:10	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/13/09 18:10	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/13/09 18:10	
1,2-Dichloroethane	ug/L	ND	1.0	04/13/09 18:10	
1,2-Dichloropropane	ug/L	ND	1.0	04/13/09 18:10	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/13/09 18:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/13/09 18:10	
2-Butanone (MEK)	ug/L	ND	20.0	04/13/09 18:10	
Acetone	ug/L	ND	20.0	04/13/09 18:10	
Benzene	ug/L	ND	1.0	04/13/09 18:10	
Bromodichloromethane	ug/L	ND	1.0	04/13/09 18:10	
Bromoform	ug/L	ND	1.0	04/13/09 18:10	
Bromomethane	ug/L	ND	1.0	04/13/09 18:10	
Carbon disulfide	ug/L	ND	1.0	04/13/09 18:10	
Carbon tetrachloride	ug/L	ND	1.0	04/13/09 18:10	
Chlorobenzene	ug/L	ND	1.0	04/13/09 18:10	
Chloroethane	ug/L	ND	1.0	04/13/09 18:10	
Chloroform	ug/L	ND	5.0	04/13/09 18:10	
Chloromethane	ug/L	ND	1.0	04/13/09 18:10	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/13/09 18:10	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/13/09 18:10	
Dibromochloromethane	ug/L	ND	1.0	04/13/09 18:10	
Dibromomethane	ug/L	ND	1.0	04/13/09 18:10	
Dichlorodifluoromethane	ug/L	ND	1.0	04/13/09 18:10	
Ethylbenzene	ug/L	ND	1.0	04/13/09 18:10	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/13/09 18:10	
Methylene Chloride	ug/L	ND	1.0	04/13/09 18:10	
Naphthalene	ug/L	ND	5.0	04/13/09 18:10	
Styrene	ug/L	ND	1.0	04/13/09 18:10	
Tetrachloroethene	ug/L	ND	1.0	04/13/09 18:10	
Tetrahydrofuran	ug/L	ND	5.0	04/13/09 18:10	
Toluene	ug/L	ND	1.0	04/13/09 18:10	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/13/09 18:10	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/13/09 18:10	
Trichloroethene	ug/L	ND	1.0	04/13/09 18:10	

### QUALITY CONTROL DATA

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

METHOD BLANK: 145222

Matrix: Water

Associated Lab Samples: 4015961021, 4015961022, 4015961023, 4015961024, 4015961025, 4015961026, 4015961027, 4015961028, 4015961029, 4015961030, 4015961031, 4015961032, 4015961033, 4015961034, 4015961035, 4015961036, 4015961037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	ND	1.0	04/13/09 18:10	
Vinyl chloride	ug/L	ND	1.0	04/13/09 18:10	
Xylene (Total)	ug/L	ND	3.0	04/13/09 18:10	
4-Bromofluorobenzene (S)	%	89	70-130	04/13/09 18:10	
Dibromofluoromethane (S)	%	108	70-130	04/13/09 18:10	
Toluene-d8 (S)	%	95	70-130	04/13/09 18:10	

LABORATORY CONTROL SAMPLE & LCSD: 145223

145224

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	59.2	60.3	118	121	75-128	2	20	
1,1,2-Trichloroethane	ug/L	50	47.7	47.8	95	96	75-125	.2	20	
1,1-Dichloroethane	ug/L	50	53.0	53.2	106	106	71-130	.2	20	
1,1-Dichloroethene	ug/L	50	55.7	56.0	111	112	75-125	.5	20	
1,2-Dichloroethane	ug/L	50	57.8	58.8	116	118	71-132	2	20	
1,2-Dichloropropane	ug/L	50	47.9	48.8	96	98	73-125	2	20	
2-Butanone (MEK)	ug/L	50	42.7	42.2	85	84	59-130	1	20	
Acetone	ug/L	50	39.5	40.1	79	80	31-150	1	20	
Benzene	ug/L	50	52.2	52.0	104	104	75-125	.4	20	
Bromodichloromethane	ug/L	50	54.8	56.8	110	114	75-125	4	20	
Bromoform	ug/L	50	48.2	49.1	96	98	75-125	2	20	
Bromomethane	ug/L	50	37.8	43.4	76	87	66-125	14	20	
Carbon disulfide	ug/L	50	54.1	55.2	108	110	71-128	2	20	
Carbon tetrachloride	ug/L	50	70.2	71.5	140	143	75-125	2	20	LO
Chlorobenzene	ug/L	50	53.2	53.3	106	107	75-125	.2	20	
Chloroethane	ug/L	50	50.7	50.1	101	100	72-126	1	20	
Chloroform	ug/L	50	58.3	58.7	117	117	75-125	.7	20	
Chloromethane	ug/L	50	41.5	41.3	83	83	46-143	.5	20	
cis-1,2-Dichloroethene	ug/L	50	54.7	54.3	109	109	75-125	.8	20	
cis-1,3-Dichloropropene	ug/L	50	47.0	47.7	94	95	75-125	2	20	
Dibromochloromethane	ug/L	50	50.6	51.6	101	103	75-125	2	20	
Ethylbenzene	ug/L	50	50.7	50.9	101	102	75-125	.4	20	
Methylene Chloride	ug/L	50	55.1	54.3	110	109	75-125	1	20	
Styrene	ug/L	50	47.2	48.1	94	96	75-125	2	20	
Tetrachloroethene	ug/L	50	54.6	54.3	109	109	75-130	.5	20	
Toluene	ug/L	50	50.2	50.5	100	101	75-125	.6	20	
trans-1,2-Dichloroethene	ug/L	50	54.8	54.5	110	109	75-125	.6	20	
trans-1,3-Dichloropropene	ug/L	50	45.2	45.2	90	90	75-125	.1	20	
Trichloroethene	ug/L	50	53.7	54.5	107	109	75-125	1	20	
Vinyl chloride	ug/L	50	46.4	46.6	93	93	65-130	.4	20	
Xylene (Total)	ug/L	150	155	156	104	104	75-125	.5	20	
4-Bromofluorobenzene (S)	%				93	94	70-130			
Dibromofluoromethane (S)	%				112	112	70-130			
Toluene-d8 (S)	%				98	97	70-130			

Date: 04/21/2009 02:21 PM

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 145402		145403								Max RPD	Qual
	Units	4015959005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits			
1,1,1-Trichloroethane	ug/L	<0.90	50	50	59.6	61.4	119	123	70-130	3	30	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	47.2	48.1	94	96	70-130	2	30	
1,1-Dichloroethane	ug/L	<0.75	50	50	53.1	53.6	106	107	70-130	1	30	
1,1-Dichloroethene	ug/L	<0.57	50	50	55.6	55.2	111	110	70-135	.8	30	
1,2-Dichloroethane	ug/L	38.2	50	50	95.3	99.2	114	122	70-130	4	30	
1,2-Dichloropropane	ug/L	<0.49	50	50	47.7	48.5	95	97	70-130	2	30	
2-Butanone (MEK)	ug/L	<4.3	50	50	41.9	41.6	84	83	51-130	.6	30	
Acetone	ug/L	<5.0	50	50	40.5	41.7	81	83	42-132	3	30	
Benzene	ug/L	<0.41	50	50	52.0	51.9	104	104	70-130	.3	30	
Bromodichloromethane	ug/L	<0.56	50	50	56.2	56.8	112	114	70-130	.9	30	
Bromoform	ug/L	<0.94	50	50	48.4	49.9	97	100	70-130	3	30	
Bromomethane	ug/L	1.0	50	50	46.4	47.9	91	94	63-147	3	30	
Carbon disulfide	ug/L	<0.66	50	50	56.0	55.8	111	111	56-142	.4	30	
Carbon tetrachloride	ug/L	<0.49	50	50	71.3	72.9	143	146	70-131	2	30 MO	
Chlorobenzene	ug/L	<0.41	50	50	52.7	52.5	105	105	70-130	.3	30	
Chloroethane	ug/L	<0.97	50	50	49.9	50.7	100	101	67-138	2	30	
Chloroform	ug/L	<1.3	50	50	58.4	59.6	117	119	70-130	2	30	
Chloromethane	ug/L	0.29J	50	50	42.7	41.5	85	82	43-150	3	30	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	54.7	55.3	109	110	70-130	1	30	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	46.4	47.0	93	94	70-130	1	30	
Dibromochloromethane	ug/L	<0.81	50	50	51.1	51.6	102	103	70-130	1	30	
Ethylbenzene	ug/L	<0.54	50	50	50.9	50.8	102	102	70-136	.2	30	
Methylene Chloride	ug/L	0.50J	50	50	55.5	55.9	110	111	70-130	.7	30	
Styrene	ug/L	<0.86	50	50	46.6	46.7	93	93	70-130	.2	30	
Tetrachloroethene	ug/L	6.1	50	50	60.5	59.3	109	106	70-130	2	30	
Toluene	ug/L	<0.67	50	50	49.6	49.7	99	99	70-130	.3	30	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	54.7	55.6	109	111	70-130	2	30	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	45.7	45.4	91	91	70-130	.6	30	
Trichloroethene	ug/L	1.1	50	50	55.6	56.0	109	110	70-130	.7	30	
Vinyl chloride	ug/L	<0.18	50	50	44.8	44.4	90	89	62-138	.8	30	
Xylene (Total)	ug/L	<2.6	150	150	155	154	103	103	70-130	.5	30	
4-Bromofluorobenzene (S)	%						94	93	70-130			
Dibromofluoromethane (S)	%						113	113	70-130			
Toluene-d8 (S)	%						97	97	70-130			



## QUALIFIERS

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery was outside laboratory control limits.

Z3 Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 117-1011005.11 FF/NN LANDFILL  
Pace Project No.: 4015961

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4015961004	P-116	EPA 8260	MSV/4175		
4015961005	P-114	EPA 8260	MSV/4175		
4015961006	P-115	EPA 8260	MSV/4175		
4015961007	P-113A	EPA 8260	MSV/4175		
4015961008	P-113B	EPA 8260	MSV/4175		
4015961009	P-113B DUP	EPA 8260	MSV/4175		
4015961010	MW-3A	EPA 8260	MSV/4175		
4015961011	MW-3B	EPA 8260	MSV/4175		
4015961012	P-111	EPA 8260	MSV/4175		
4015961013	P-111D	EPA 8260	MSV/4175		
4015961014	P-107	EPA 8260	MSV/4175		
4015961015	P-107D	EPA 8260	MSV/4175		
4015961016	P-103	EPA 8260	MSV/4175		
4015961017	P-103D	EPA 8260	MSV/4175		
4015961018	P-103D DUP	EPA 8260	MSV/4175		
4015961019	P-104	EPA 8260	MSV/4175		
4015961020	MW-107	EPA 8260	MSV/4175		
4015961021	MW-103	EPA 8260	MSV/4176		
4015961022	MW-112	EPA 8260	MSV/4176		
4015961023	MW-104	EPA 8260	MSV/4176		
4015961024	MW-111	EPA 8260	MSV/4176		
4015961025	P-106	EPA 8260	MSV/4176		
4015961026	P-106 DUP	EPA 8260	MSV/4176		
4015961027	P-108	EPA 8260	MSV/4176		
4015961028	MW-102	EPA 8260	MSV/4176		
4015961029	P-102	EPA 8260	MSV/4176		
4015961030	P-101	EPA 8260	MSV/4176		
4015961031	MW-106	EPA 8260	MSV/4176		
4015961032	MW-101	EPA 8260	MSV/4176		
4015961033	MW-108	EPA 8260	MSV/4176		
4015961034	LC-2	EPA 8260	MSV/4176		
4015961035	LC-3	EPA 8260	MSV/4176		
4015961036	TB-1	EPA 8260	MSV/4176		
4015961037	TB-2	EPA 8260	MSV/4176		

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

# ANALYTICAL REPORT

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

Printed: 04/17/09 Code: S Page 1 of 1

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

NLS Project: 130550

NLS Customer: 94575

Fax: 920 469 8827 Phone: 800 736 2436

Project: FF/NN Landfill 4015961

**4015961001 - Rohde NLS ID: 517583**

COC: Pace Matrix: DW  
 Collected: 04/06/09 12:55 Received: 04/15/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached					04/16/09	EPA 524.2	721026460

**4015961002 - Gaastra NLS ID: 517584**

COC: Pace Matrix: DW  
 Collected: 04/06/09 13:30 Received: 04/15/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached					04/16/09	EPA 524.2	721026460

**4015961003 - Perry/Watkins NLS ID: 517585**

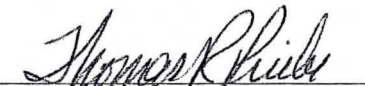
COC: Pace Matrix: DW  
 Collected: 04/06/09 13:55 Received: 04/15/09

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached					04/16/09	EPA 524.2	721026460

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

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

Reviewed by:



Authorized by:  
 R. T. Krueger  
 President

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

Page 1 of 6

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517583 4015961001 - Rohde Collected: 04/06/09 Analyzed: 04/16/09

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.24	0.93		
Bromobenzene	ND	ug/L	1	0.14	0.46		
Bromochloromethane	ND	ug/L	1	0.13	0.44		
Bromodichloromethane	ND	ug/L	1	0.21	0.82		
Bromoform	ND	ug/L	1	0.14	0.47		
Bromomethane	ND	ug/L	1	0.26	0.88		
n-Butylbenzene	ND	ug/L	1	0.20	0.66		
sec-Butylbenzene	ND	ug/L	1	0.18	0.61		
tert-Butylbenzene	ND	ug/L	1	0.18	0.58		
Carbon Tetrachloride	ND	ug/L	1	0.27	0.96		
Chlorobenzene	ND	ug/L	1	0.11	0.37		
Chloroethane	ND	ug/L	1	0.95	3.2		
Chloroform	ND	ug/L	1	0.12	0.39		
Chloromethane	ND	ug/L	1	0.16	0.52		
2-Chlorotoluene	ND	ug/L	1	0.15	0.49		
4-Chlorotoluene	ND	ug/L	1	0.13	0.44		
Dibromochloromethane	ND	ug/L	1	0.16	0.52		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.22	0.75		
1,2-Dibromoethane	ND	ug/L	1	0.13	0.45		
Dibromomethane	ND	ug/L	1	0.13	0.42		
1,2-Dichlorobenzene	ND	ug/L	1	0.15	0.49		
1,3-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,4-Dichlorobenzene	ND	ug/L	1	0.17	0.55		
Dichlorodifluoromethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethane	ND	ug/L	1	0.25	0.97		
1,2-Dichloroethane	ND	ug/L	1	0.15	0.49		
1,1-Dichloroethene	ND	ug/L	1	0.18	0.60		
cis-1,2-Dichloroethene	ND	ug/L	1	0.10	0.34		
trans-1,2-Dichloroethene	ND	ug/L	1	0.28	1.1		
1,2-Dichloropropane	ND	ug/L	1	0.22	0.80		
1,3-Dichloropropane	ND	ug/L	1	0.14	0.45		
2,2-Dichloropropane	ND	ug/L	1	0.17	0.61		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.38		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.85		
trans-1,3-Dichloropropene	ND	ug/L	1	0.11	0.36		
Ethylbenzene	ND	ug/L	1	0.24	0.94		
Hexachlorobutadiene	ND	ug/L	1	0.18	0.58		
Isopropylbenzene	ND	ug/L	1	0.14	0.45		
p-Isopropyltoluene	ND	ug/L	1	0.20	0.65		
Methylene chloride	ND	ug/L	1	0.25	0.91		
Naphthalene	ND	ug/L	1	0.23	0.77		
n-Propylbenzene	ND	ug/L	1	0.25	0.96		
ortho-Xylene	ND	ug/L	1	0.15	0.50		
Styrene	ND	ug/L	1	0.11	0.36		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.12	0.41		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.63		
Tetrachloroethene	ND	ug/L	1	0.20	0.77		
Toluene	ND	ug/L	1	0.12	0.39		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.88		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.20	0.65		
1,1,1-Trichloroethane	ND	ug/L	1	0.10	0.34		
1,1,2-Trichloroethane	ND	ug/L	1	0.13	0.42		

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

Page 2 of 6

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517583 4015961001 - Rohde Collected: 04/06/09 Analyzed: 04/16/09 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichloroethene	ND	ug/L	1	0.25	0.97		
Trichlorofluoromethane	ND	ug/L	1	0.16	0.54		
1,2,3-Trichloropropane	ND	ug/L	1	0.35	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.14	0.45		
Vinyl chloride	ND	ug/L	1	0.19	0.65		
meta,para-Xylene	ND	ug/L	1	0.48	1.8		
MTBE	ND	ug/L	1	0.13	0.42		
Acetone	ND	ug/L	1	1.7	5.6		
Carbon disulfide	ND	ug/L	1	0.14	0.48		
Vinyl Acetate	ND	ug/L	1	1.5	5.5		
Methyl ethyl ketone	ND	ug/L	1	0.66	2.2		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.93	3.1		
4-Bromofluorobenzene (SURR)	107.78%						S
1,2-Dichlorobenzene - d4 (SURR)	113.84%						S

## NOTES APPLICABLE TO THIS ANALYSIS:

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

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

Page 3 of 6

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517584 4015961002 - Gaastra Collected: 04/06/09 Analyzed: 04/16/09

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.24	0.93		
Bromobenzene	ND	ug/L	1	0.14	0.46		
Bromochloromethane	ND	ug/L	1	0.13	0.44		
Bromodichloromethane	ND	ug/L	1	0.21	0.82		
Bromoform	ND	ug/L	1	0.14	0.47		
Bromomethane	ND	ug/L	1	0.26	0.88		
n-Butylbenzene	ND	ug/L	1	0.20	0.66		
sec-Butylbenzene	ND	ug/L	1	0.18	0.61		
tert-Butylbenzene	ND	ug/L	1	0.18	0.58		
Carbon Tetrachloride	ND	ug/L	1	0.27	0.96		
Chlorobenzene	ND	ug/L	1	0.11	0.37		
Chloroethane	ND	ug/L	1	0.95	3.2		
Chloroform	ND	ug/L	1	0.12	0.39		
Chloromethane	ND	ug/L	1	0.16	0.52		
2-Chlorotoluene	ND	ug/L	1	0.15	0.49		
4-Chlorotoluene	ND	ug/L	1	0.13	0.44		
Dibromochloromethane	ND	ug/L	1	0.16	0.52		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.22	0.75		
1,2-Dibromoethane	ND	ug/L	1	0.13	0.45		
Dibromomethane	ND	ug/L	1	0.13	0.42		
1,2-Dichlorobenzene	ND	ug/L	1	0.15	0.49		
1,3-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,4-Dichlorobenzene	ND	ug/L	1	0.17	0.55		
Dichlorodifluoromethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethane	ND	ug/L	1	0.25	0.97		
1,2-Dichloroethane	ND	ug/L	1	0.15	0.49		
1,1-Dichloroethene	ND	ug/L	1	0.18	0.60		
cis-1,2-Dichloroethene	ND	ug/L	1	0.10	0.34		
trans-1,2-Dichloroethene	ND	ug/L	1	0.28	1.1		
1,2-Dichloropropane	ND	ug/L	1	0.22	0.80		
1,3-Dichloropropane	ND	ug/L	1	0.14	0.45		
2,2-Dichloropropane	ND	ug/L	1	0.17	0.61		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.38		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.85		
trans-1,3-Dichloropropene	ND	ug/L	1	0.11	0.36		
Ethylbenzene	ND	ug/L	1	0.24	0.94		
Hexachlorobutadiene	ND	ug/L	1	0.18	0.58		
Isopropylbenzene	ND	ug/L	1	0.14	0.45		
p-Isopropyltoluene	ND	ug/L	1	0.20	0.65		
Methylene chloride	ND	ug/L	1	0.25	0.91		
Naphthalene	ND	ug/L	1	0.23	0.77		
n-Propylbenzene	ND	ug/L	1	0.25	0.96		
ortho-Xylene	ND	ug/L	1	0.15	0.50		
Styrene	ND	ug/L	1	0.11	0.36		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.12	0.41		
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.63		
Tetrachloroethene	ND	ug/L	1	0.20	0.77		
Toluene	ND	ug/L	1	0.12	0.39		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.88		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.20	0.65		
1,1,1-Trichloroethane	ND	ug/L	1	0.10	0.34		
1,1,2-Trichloroethane	ND	ug/L	1	0.13	0.42		

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

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517584 4015961002 - Gaastra Collected: 04/06/09 Analyzed: 04/16/09 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichloroethene	ND	ug/L	1	0.25	0.97		
Trichlorofluoromethane	ND	ug/L	1	0.16	0.54		
1,2,3-Trichloropropane	ND	ug/L	1	0.35	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.14	0.45		
Vinyl chloride	ND	ug/L	1	0.19	0.65		
meta,para-Xylene	ND	ug/L	1	0.48	1.8		
MTBE	ND	ug/L	1	0.13	0.42		
Acetone	ND	ug/L	1	1.7	5.6		
Carbon disulfide	ND	ug/L	1	0.14	0.48		
Vinyl Acetate	ND	ug/L	1	1.5	5.5		
Methyl ethyl ketone	ND	ug/L	1	0.66	2.2		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.93	3.1		
4-Bromofluorobenzene (SURR)	102.9%						S
1,2-Dichlorobenzene - d4 (SURR)	112.84%						S

**NOTES APPLICABLE TO THIS ANALYSIS:**

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

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

Page 5 of 6

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517585 4015961003 - Perry/Watkins Collected: 04/06/09 Analyzed: 04/16/09

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.24	0.93		
Bromobenzene	ND	ug/L	1	0.14	0.46		
Bromochloromethane	ND	ug/L	1	0.13	0.44		
Bromodichloromethane	ND	ug/L	1	0.21	0.82		
Bromoform	ND	ug/L	1	0.14	0.47		
Bromomethane	ND	ug/L	1	0.26	0.88		
n-Butylbenzene	ND	ug/L	1	0.20	0.66		
sec-Butylbenzene	ND	ug/L	1	0.18	0.61		
tert-Butylbenzene	ND	ug/L	1	0.18	0.58		
Carbon Tetrachloride	ND	ug/L	1	0.27	0.96		
Chlorobenzene	ND	ug/L	1	0.11	0.37		
Chloroethane	ND	ug/L	1	0.95	3.2		
Chloroform	ND	ug/L	1	0.12	0.39		
Chloromethane	ND	ug/L	1	0.16	0.52		
2-Chlorotoluene	ND	ug/L	1	0.15	0.49		
4-Chlorotoluene	ND	ug/L	1	0.13	0.44		
Dibromochloromethane	ND	ug/L	1	0.16	0.52		
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.22	0.75		
1,2-Dibromoethane	ND	ug/L	1	0.13	0.45		
Dibromomethane	ND	ug/L	1	0.13	0.42		
1,2-Dichlorobenzene	ND	ug/L	1	0.15	0.49		
1,3-Dichlorobenzene	ND	ug/L	1	0.17	0.58		
1,4-Dichlorobenzene	ND	ug/L	1	0.17	0.55		
Dichlorodifluoromethane	ND	ug/L	1	0.16	0.54		
1,1-Dichloroethane	ND	ug/L	1	0.25	0.97		
1,2-Dichloroethane	ND	ug/L	1	0.15	0.49		
1,1-Dichloroethene	ND	ug/L	1	0.18	0.60		
cis-1,2-Dichloroethene	ND	ug/L	1	0.10	0.34		
trans-1,2-Dichloroethene	ND	ug/L	1	0.28	1.1		
1,2-Dichloropropane	ND	ug/L	1	0.22	0.80		
1,3-Dichloropropane	ND	ug/L	1	0.14	0.45		
2,2-Dichloropropane	ND	ug/L	1	0.17	0.61		
1,1-Dichloropropene	ND	ug/L	1	0.11	0.38		
cis-1,3-Dichloropropene	ND	ug/L	1	0.22	0.85		
trans-1,3-Dichloropropene	ND	ug/L	1	0.11	0.36		
Ethylbenzene	ND	ug/L	1	0.24	0.94		
Hexachlorobutadiene	ND	ug/L	1	0.18	0.58		
Isopropylbenzene	ND	ug/L	1	0.14	0.45		
p-Isopropyltoluene	ND	ug/L	1	0.20	0.65		
Methylene chloride	ND	ug/L	1	0.25	0.91		
Naphthalene	ND	ug/L	1	0.23	0.77		
n-Propylbenzene	ND	ug/L	1	0.25	0.96		
ortho-Xylene	ND	ug/L	1	0.15	0.50		
Styrene	ND	ug/L	1	0.11	0.36		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.12	0.41		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.63		
Tetrachloroethene	ND	ug/L	1	0.20	0.77		
Toluene	ND	ug/L	1	0.12	0.39		
1,2,3-Trichlorobenzene	ND	ug/L	1	0.26	0.88		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.20	0.65		
1,1,1-Trichloroethane	ND	ug/L	1	0.10	0.34		
1,1,2-Trichloroethane	ND	ug/L	1	0.13	0.42		



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

Page 6 of 6

Customer: Pace Analytical Services Inc (GB) NLS Project: 130550

Project Description: FF/NN Landfill

Project Title: 4015961

Template: SAT3PACE Printed: 04/17/2009 12:00

Sample: 517585 4015961003 - Perry/Watkins Collected: 04/06/09 Analyzed: 04/16/09

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichloroethene	ND	ug/L	1	0.25	0.97		
Trichlorofluoromethane	ND	ug/L	1	0.16	0.54		
1,2,3-Trichloropropane	ND	ug/L	1	0.35	1.2		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.15	0.49		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.14	0.45		
Vinyl chloride	ND	ug/L	1	0.19	0.65		
meta,para-Xylene	ND	ug/L	1	0.48	1.8		
MTBE	ND	ug/L	1	0.13	0.42		
Acetone	ND	ug/L	1	1.7	5.6		
Carbon disulfide	ND	ug/L	1	0.14	0.48		
Vinyl Acetate	ND	ug/L	1	1.5	5.5		
Methyl ethyl ketone	ND	ug/L	1	0.66	2.2		
4-Methyl-2-Pentanone	ND	ug/L	1	0.56	1.9		
2-Hexanone	ND	ug/L	1	0.93	3.1		
4-Bromofluorobenzene (SURR)	107.68%						S
1,2-Dichlorobenzene - d4 (SURR)	114.24%						S

## NOTES APPLICABLE TO THIS ANALYSIS:

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

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

**Instructions:**

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

GEMS Data Submittal Contact - WAJ3  
Bureau of Waste and Materials Management  
Wisconsin Department of Natural Resources  
101 South Webster Street  
P.O. Box 7921  
Madison, WI 53707 - 7921

**Monitoring Data Submittal Information**

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

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Chin Saito Phone: 715-478-2777  
E-mail: lims@newnorth.net

Facility Name	License No. / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
FF/NN Landfill	00467		APRIL -06-2009

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)  
APRIL -2009

Type of Data Submitted (Check all that apply)

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

Notification attached?

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

**Certification**

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

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

Signature \_\_\_\_\_ Date \_\_\_\_\_

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

Found uploading problems on \_\_\_\_\_ Initials \_\_\_\_\_

Notified contact of problems on \_\_\_\_\_ Uploaded data successfully on \_\_\_\_\_

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

Pace Analytical Services Inc (GB)

FF/NN Landfill

01-APR-09

Lab ID: 721026460

NLS Project: 130550

Collected: 01-APR-09

License: 00467

FID:

EXCEEDANCES:

Well ID	Parameter	Units	Result	PAL	ES	ACL	Comments
---------	-----------	-------	--------	-----	----	-----	----------

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

# Chain of Custody



Workorder: 4015961

Workorder Name: 117-1011005.11 FF/NN LANDFILL

Results Requested 4/24/2009

Report/Invoice To		Subcontract To				Requested Analysis												
Steven Mleczko Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Email: steve.mleczko@pacelabs.com		P.O. _____ <b>NLS</b>																
						524.2 Hydrolite see attached list												
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers								LAB USE ONLY					
					HCL													
1	ROHDE	4/6/2009 12:55	4015961001	Water														
2	GAASTRA	4/6/2009 13:30	4015961002	Water														57583
3	PERRY/WATKINS	4/6/2009 13:55	4015961003	Water														57584
4																		57585
5																		
Transfers		Released By	Date/Time	Received By	Date/Time	Comments												
1		<i>Kevin Antkowiak</i>	4-14-09/1630	<i>URS</i>		See Attached List												
2																		
3																		
4																		
5																		

*Karen Hepler 4/15/09 - 1071 URS*  
*onice*

(Please Print Clearly)

Company Name: Geotrans, Inc.  
 Branch/Location: Brookfield, WI  
 Project Contact: Mike Noel  
 Phone: (262) 792-1282  
 Project Number: 117-1011005.11  
 Project Name: FF/NN Landfill  
 Project State: WI  
 Sampled By (Print): Ashley A. Weimer  
 Sampled By (Sign): Ashley A. Weimer  
 PO #:



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

Page 1 of 1  
 COC No. 012489

### CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analyses Requested
N	B	VOCs
		308485

Quote #:  
 Mail To Contact: M. Noel / N. Olavarria  
 Mail To Company: Geotrans/Cooper  
 Mail To Address: Brookfield/Houston WI TX  
 Invoice To Contact: Nelson Olavarria  
 Invoice To Company: Cooper  
 Invoice To Address: Houston, TX  
 Invoice To Phone:

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested	Profile #
		DATE	TIME					
001	Rohde	4-6	12:55	6W	✓			3-40m1B 001
002	Gaastra		13:30		✓			002
003	Perry/Watkins		13:55		✓			003
004	P-116		14:55		✓			004
005	P-114		15:20		✓			005
006	P-115		15:45		✓			006
007	P-113 A		16:55		✓			007
008	P-113 B		17:15		✓			008
009	P-113 B Dup	✓	17:20		✓			009
010	MW-3A	4-7	09:15		✓			010
011	MW-3B		09:35		✓			011
012	P-111		10:30		✓			012
013	P-111 D	✓	10:55		✓			013

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: Ashley A. Weimer Date/Time: 4-10-09 0900  
 Relinquished By: B. Kemper Date/Time: 4/10/09 1145  
 Relinquished By: B. Kemper Date/Time: 4/10/09 1415  
 Relinquished By:

Received By: D. Fenwick Date/Time: 4/10/09 1035  
 Received By: B. Kemper Date/Time: 4/10/09 1145  
 Received By: W. [Signature] Date/Time: 4/10/09 1415  
 Received By:

PACE Project No. 4015441  
 Receipt Temp = 201 °C  
 Sample Receipt pH OK / Adjusted N/A  
 Cooler Custody Seal Present / Not Present Intact / Not Intact









**Sample Condition Upon Receipt**

Client Name: ProTrans Inc Project # 4015961

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
Tracking #: \_\_\_\_\_



Custody Seal on Cooler/Box Present:  yes  no Seals Intact  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used N/A Type of Ice:  Wet  Blue  None  Samples on Ice, cooling process has begun

Cooler Temperature 201 Biological Tissue is Frozen: Yes No  
Temp should be above freezing to 6°C

Date and initials of person examining contents: 4/10/09 AF

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

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature] Date: 4/10/09



**ATTACHMENT D**  
**GROUNDWATER SAMPLING FIELD FORMS**

GEOTRANS, INC. MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION				INSTRUMENTS						
PROJECT	FF/NN Landfill			Temp. & pH	MP-20 Flow Cell					
PROJECT NO.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-116			P-114			P-115			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	4- 6 -09			4- 6 -09			4- 6 -09			
STATIC WATER LEVEL (feet)*	20.18			18.84			21.98			
WELL DEPTH (feet)*	163.19			181.72			179.54			
PUMP INLET DEPTH (feet)*										
START PURGE TIME (Military)	14:25			15:05			15:30			
END PURGE TIME (Military)	14:50			15:15			15:40			
PURGE VOLUME (gallons)	1.25			1.0			0.75			
SAMPLE TIME (Military)	14:55			15:20			15:45			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since Initial reading)	12:00	14:00	16:00	2:00	3:00	4:00	2:00	3:00	4:00	
TEMPERATURE (°C)	9.65	9.54	9.54	9.54	9.54	<del>9.54</del>	10.02	9.98	9.89	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.518	0.518	0.518	0.687	0.688	0.687	0.611	0.608	0.605	
DISSOLVED OXYGEN (ppm)	0.95	0.86	0.89	0.56	0.50	0.45	0.47	0.36	0.30	
pH	7.58	7.58	7.57	7.67	7.63	7.58	7.63	7.60	7.58	
DISSOLVED OXYGEN (% Sat.)	9.9	8.9	9.3	5.8	5.2	4.7	5.0	3.8	3.2	
ORP (mV)	-50	-49	-49	-83	-81	-76	-75	-72	-72	
COLOR	pale orange			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			
				temp 9.54						
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	4- 10 -09			4- 10 -09			4- 10 -09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

\*Measured from top of well casing.

GEOTRANS, INC. MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION				INSTRUMENTS						
PROJECT	FF/NN Landfill			Temp. & pH	MP-20 Flow Cell					
PROJECT NO.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-103 D/DUP			P-104			P-106/DUP			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	4-7-09			4-7-09			4-8-09			
STATIC WATER LEVEL (feet)*	49.53			51.42			54.54			
WELL DEPTH (feet)*	192.66			93.44			87.18			
PUMP INLET DEPTH (feet)*										
START PURGE TIME (Military)	14:05			15:45			09:00			
END PURGE TIME (Military)	14:20			16:05			09:20			
PURGE VOLUME (gallons)	1.25			1.0			1.5			
SAMPLE TIME (Military)	14:25 / 14:30			16:20			09:25 / 09:30			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	3:00	4:00	5:00	11:00	12:00	13:00	6:00	7:00	8:00	
TEMPERATURE (°C)	10.18	9.90	9.97	10.35	10.38	10.34	9.29	9.28	9.31	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.820	0.812	0.808	0.000	0.000	0.000	0.799	0.795	0.793	
DISSOLVED OXYGEN (ppm)	0.62	0.54	0.45	1.48	1.43	1.54	1.18	1.06	0.99	
pH	7.61	7.61	7.61	7.51	7.51	7.51	7.89	7.91	7.91	
DISSOLVED OXYGEN (% Sat.)	16.6	5.8	4.8	15.7	15.2	17.1	12.2	11.0	10.2	
ORP (mV)	-109	-109	-110	-96	-96	-97	-99	-99	-99	
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			
	took dup at 14:30			*check valve may be broken, ←→						
				water kept leaving flow cell*						
							*took dup at 09:30			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	4-10-09			4-10-09			4-10-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

\*Measured from top of well casing.



GEOTRANS, INC. MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION				INSTRUMENTS						
PROJECT	FF/NN Landfill			Temp. & pH	MP-20 Flow Cell					
PROJECT NO.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-107			P-107D			P-103			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	4-7-09			4-7-09			4-7-09			
STATIC WATER LEVEL (feet)*	51.04			49.74			48.86			
WELL DEPTH (feet)*	85.75			327.95			83.02			
PUMP INLET DEPTH (feet)*										
START PURGE TIME (Military)	11:35			12:15			13:45			
END PURGE TIME (Military)	12:05			12:35			14:00			
PURGE VOLUME (gallons)	1.0			1.0			1.25			
SAMPLE TIME (Military)	12:10			12:40			14:05			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	21:00	22:00	23:00	6:00	7:00	8:00	6:00	7:00	8:00	
TEMPERATURE (°C)	9.03	9.04	9.04	8.92	9.02	9.06	9.87	9.86	9.83	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.852	0.852	0.852	0.572	0.570	0.569	0.813	0.814	0.813	
DISSOLVED OXYGEN (ppm)	1.91	1.82	1.75	2.20	2.05	2.01	1.19	1.19	1.09	
pH	7.34	7.34	7.34	7.52	7.52	7.53	7.41	7.41	7.40	
DISSOLVED OXYGEN (% Sat.)	19.8	18.9	18.0	22.6	21.2	20.8	12.6	12.5	11.4	
ORP (mV)	-87	-88	-95	-103	-102	-101	-93	-94	-95	
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			
				*check valve may be broken, water kept leaving flow cell *						
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	4-10-09			4-10-09			4-10-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

\*Measured from top of well casing.

**GEOTRANS, INC. MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

PROJECT INFORMATION				INSTRUMENTS						
PROJECT	FF/NN Landfill			Temp. & pH	MP-20 Flow Cell					
PROJECT NO.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer			DO	MP-20 Flow Cell					
MONITOR WELL ID	MW-3B			P-111	P-111D					
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	4-7-09			4-7-09			4-7-09			
STATIC WATER LEVEL (feet)*	28.38			37.72			34.08			
WELL DEPTH (feet)*	185.72			81.54			151			
PUMP INLET DEPTH (feet)*										
START PURGE TIME (Military)	09:15			10:10			10:35			
END PURGE TIME (Military)	09:30			10:25			10:50			
PURGE VOLUME (gallons)	1.75			10:25 1.75			1.75			
SAMPLE TIME (Military)	09:35			10:30			10:55			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	6:00	7:00	8:00	10:00	11:00	12:00	8:00	9:00	10:00	
TEMPERATURE (° C)	8.71	8.77	8.77	9.11	9.12	9.12	9.27	9.27	9.30	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.600	0.606	0.604	0.607	0.616	0.624	0.824	0.822	0.821	
DISSOLVED OXYGEN (ppm)	0.26	0.21	0.20	0.29	0.27	0.26	1.99	1.93	1.98	
pH	7.51	7.50	7.48	7.63	7.61	7.62	7.52	7.52	9.52	
DISSOLVED OXYGEN (% Sat.)	2.7	2.2	2.1	3.0	2.9	2.7	20.7	20.0	20.7	
ORP (mV)	-126	-120	-116	-89	-89	-89	-96	-96	-97	
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			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	4-10-09			4-10-09			4-10-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

\*Measured from top of well casing.

**GEOTRANS, INC. MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

PROJECT INFORMATION				INSTRUMENTS						
PROJECT	FF/NN Landfill			Temp. & pH	MP-20 Flow Cell					
PROJECT NO.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-113A			P-113 B/dup			MW-3A			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	4-6-09			4-6-09			4-7-09			
STATIC WATER LEVEL (feet)*	11.28			12.14			27.81			
WELL DEPTH (feet)*	325.31			198.9			280.10			
PUMP INLET DEPTH (feet)*										
START PURGE TIME (Military)	10:20			17:00			08:50			
END PURGE TIME (Military)	10:50			17:10			09:10			
PURGE VOLUME (gallons)	1.0			1.0			1.0			
SAMPLE TIME (Military)	10:55			17:15/17:20			09:15			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	20:00	22:00	24:00	2:00	3:00	4:00	13:00	14:00	15:00	
TEMPERATURE (°C)	8.47	8.43	8.41	9.17	9.20	9.22	8.10	8.11	8.12	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.542	0.542	0.542	0.1024	0.1025	0.1027	0.548	0.548	0.548	
DISSOLVED OXYGEN (ppm)	0.85	0.77	0.74	0.57	0.50	0.40	1.04	1.07	1.03	
pH	7.47	7.44	7.42	7.68	7.60	7.54	7.35	7.35	7.34	
DISSOLVED OXYGEN (% Sat.)	8.6	7.8	7.5	5.9	5.2	4.2	10.5	10.8	10.4	
ORP (mV)	-132	-135	-137	-122	-125	-122	-134	-131	-128	
COLOR	clear			clear			clear			
ODOR	none			none			none			
CLARITY	sl. cloudy			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			
				took dup at 17:20						
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	4-10-09			4-10-09			4-10-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

\*Measured from top of well casing.



## Field Water Quality Form



**Project Name** FF/NN Landfill  
**Project Number** 117-1011005.11  
**Location** Ripon, WI  
**Samplers** Ashley A. Weimer

**Equipment Used**  
Hanna pH/Conductivity Meter

Sample Point	Rohde	Gaastra	Perry/Watkins		
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	4-6-09	4-6-09	4-6-09		
Time Sampled	12:55	13:30	13:55		
Depth to Water	NT	NT	NT		
Depth to Bottom	NT	NT	NT		
Purge Volume (gal)	100	100	100		
Depth Sample Taken	NT	NT	NT		
Sampling Device	Outside Pump	Outside Spigot	Outside Spigot		
Field Temp (C)	10.9	13.7	14.2		
Spf Cond (uS/cm @ 25C)	670	541	500		
pH	7.72	7.28	7.20		
Color	clear	clear	clear		
Odor	none	none	none		
Clarity	clear	clear	clear		

Analyses Performed				
VOCs (40-mL glass, HCl, not filtered)				→
Comments				
Lab Sent To	Pace Analytical			→
Date Sent	4-10-09			→
Sampled by	Ashley A. Weimer			→

Field Water Quality Form



Project Name FF/NN Landfill  
 Project Number 117-1011005.11  
 Location Ripon, WI  
 Samplers Ashley A. Weimer

Equipment Used  
Hanna - pH, temp, Spf Cond  
Heron - water level probe

Sample Point	P-108	MW-107	MW-103	MW-112	MW-104
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	4-8-09	4-7-09	4-7-09	4-7-09	4-7-09
Time Sampled	17:40	17:15	17:35	17:50	18:05
Depth to Water	23.94	51.44	50.43	53.73	51.23
Depth to Bottom	62.10	55.32	53.69	60.47	55.90
Purge Volume (gal)	25.0	2.5	2.0	4.25	3.0
Depth Sample Taken	55.0	55.0	53.0	60.0	55.0
Sampling Device	Hanging Bailer	Dedicated Bailer			→
Field Temp (C)	9.8	10.2	10.3	9.8	9.4
Spf Cond (uS/cm @ 25C)	777	1226	1433	896	1061
pH	7.42	7.50	7.17	7.49	7.06
Color	clear	clear	clear	clear	clear
Odor	none	none	none	none	none
Clarity	clear	clear	clear	clear	clear

<b>Analyses Performed</b>				
VOCs (40-mL glass, HCl, not filtered)				→
Comments				
Lab Sent To	Pace Analytical			→
Date Sent	4-10-09			→
Sampled by	Ashley A. Weimer			→



## Field Water Quality Form



**Project Name** FF/NN Landfill  
**Project Number** 117-1011005.11  
**Location** Ripon, WI  
**Samplers** Ashley A. Weimer

**Equipment Used** \_\_\_\_\_

Sample Point	MW-102	P-102	P-101	MW-106	MW-111
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	4-8-09	4-8-09	4-8-09	4-8-09	4-7-09
Time Sampled	16:40	16:50	17:20	16:25	16:55
Depth to Water	18.56	18.42	61.21	54.49	37.58
Depth to Bottom	24.15	61.71	95.28	57.87	44.13
Purge Volume (gal)	4.0	25.0	17.0	2.0	4.5
Depth Sample Taken	23.5	50.0	75.0	57.0	43.0
Sampling Device	Disposable Bailer	Disposable Bailer	Hanging Bailer	Hanging Bailer	Dedicated Bailer
Field Temp (C)	9.4	9.8	11.4	12.3	10.8
Spf Cond (uS/cm @ 25C)	404	655	749	621	867
pH	7.64	6.75	7.24	7.62	7.22
Color	clear	clear	clear	clear	clear
Odor	none	none	none	none	none
Clarity	clear	clear	clear	clear	clear

<b>Analyses Performed</b>				
VOCs (40-mL glass, HCl, not filtered)				→
Comments				
Lab Sent To	Pace Analytical			→
Date Sent	4-10-09			→
Sampled by	Ashley A. Weimer			→

Field Water Quality Form



Project Name FF/NN Landfill  
 Project Number 117-1011005.11  
 Location Ripon, WI  
 Samplers Ashley A. Weimer

Equipment Used  
Hanna-pH, temp, Spf cond  
Hemm-water level probe

Sample Point	MW-101	MW-108			
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	4-8-09	4-8-09			
Time Sampled	17:05	17:30			
Depth to Water	60.72	26.38			
Depth to Bottom	64.40	30.36			
Purge Volume (gal)	2.5	5.0			
Depth Sample Taken	63.0	29.5			
Sampling Device	Dedicated Bailer →				
Field Temp (C)	12.5	10.5			
Spf Cond (uS/cm @ 25C)	940	939			
pH	6.75	6.68			
Color	clear	clear			
Odor	none	none			
Clarity	clear	slightly cloudy			

<b>Analyses Performed</b>				
VOCs (40-mL glass, HCl, not filtered)				→
Comments				
Lab Sent To	Pace Analytical			→
Date Sent	4-10-09			→
Sampled by	Ashley A. Weimer			→

**ATTACHMENT E**  
**LANDFILL GAS EXTRACTION SYSTEM MONITORING FIELD FORMS**



GAS PROBE DATA

Project: FF/NN Landfill

Barometric Pressure: 29.1 Hg

Location: Ripon, Wisconsin

Temperature (ambient): 58 F

Personnel: Jack Weidner

Measuring Device: Eagle

3

\* LEL Gauge

Date	Time	Measurement Point	% CH <sub>4</sub>	% CO <sub>2</sub>	% O <sub>2</sub>	Vel (ft/min)	Pressure (in H <sub>2</sub> O)	Comments
3/9/09	0930	Background	0*	0.0	20.9	0		
	1020	LC-1	7.0	21.2	0.1	417		
	0950	LC-2	23.0	23.8	3.7	730		
	0940	LC-3	11.0	17.0	5.2	453		
		GV-1						
		GV-4						
	1010	GV-6	5.0*	14.0	3.3	260		
		GV-7						
		GV-9						
		GV-12						
	1050	GP-1	0*/0*	1.8/0.8	17.9/20.2			

\* GP-8

\* GP-2

\* GP-10

S. Korv Road

\* GP-7

\* GP-3

GV-1

GV-2

GV-3

GV-4

\* GP-11

GV-8

GV-7

GV-6

GV-5

\* GP-6

\* GP-4

GV-9

GV-10

GV-11

GV-12

\* GP-1

\* GP-5

\* GP-12

788794/0741 07:11 5002/1/0/0

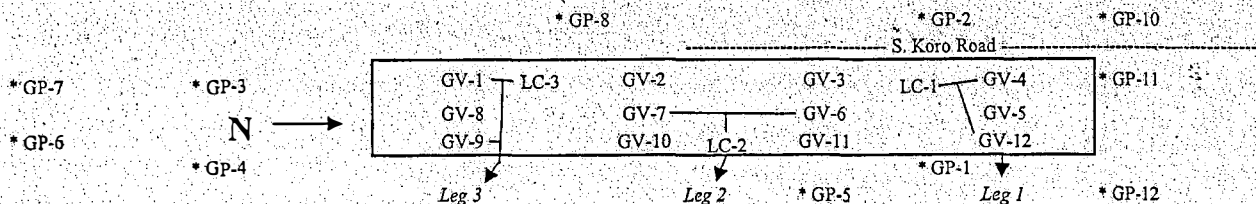




### GAS PROBE DATA

Project: FF/NN Landfill      Barometric Pressure: \_\_\_\_\_ Hg  
 Location: Ripon, Wisconsin      Temperature (ambient): ~55-60 F  
 Personnel: Ashley A. Weimer      Measuring Device: \_\_\_\_\_

Date	Time	Measurement Point	% CH <sub>4</sub>	% O <sub>2</sub>	% CO <sub>2</sub>	Comments
4-9-09	09:25	Background	0	0.0	20.2	
	11:46	LC-1	13.0*	0.2	22.2	Velocity 474
	12:25	LC-2	47	18.6	2.0	Velocity 449
	11:25	LC-3	17.5*	4.9	18.8	Velocity 384
	11:57	MW-101	0	19.9	0	
	09:29	MW-102	0	19.1	0.4	
	11:17	MW-103	0	20.0	0	
	11:40	MW-104	0	19.2	1.2	
	11:08	MW-112	0	20.2	0	
	12:21	GV-6	8.0*	0.0	18.4	Velocity 154
	09:35	GP-1	0	8.7	2.8	
	10:46	GP-2	0	20.1	0	
	11:10	GP-3	0	20.2	0	
	11:15	GP-4	0	19.4	0.6	
	09:26	GP-5	0	16.3	2.4	
	11:02	GP-6	0	16.8	2.8	
	10:58	GP-7	0	16.6	3.2	
	10:51	GP-8	0	19.4	0.4	
	10:41	GP-10	0	16.6	3.2	Quick connect vent rusted
	09:50	GP-11	0	16.8	3.4	
	09:44	GP-12	0	15.8	3.4	
	09:37	Exhaust	6.5*	13.3	7.6	



\* = % VOL



### GAS PROBE DATA

Project: FF/NN Landfill

Barometric Pressure: 29.1 Hg

Location: Ripon, Wisconsin

Temperature (ambient): \_\_\_\_\_ F

Personnel: Jack Wendler

Measuring Device: Gauge

\*LEL

Gauge 2.0

4

Date	Time	Measurement Point	% CH <sub>4</sub>	% CO <sub>2</sub>	% O <sub>2</sub>	Vel (ft/min)	Pressure (in H <sub>2</sub> O)	Comments
10/19/09	1000	Background	0*	0	20.9	0		
	1045	LC-1	5.5*	18.2	21.1	253		
	1015	LC-2	3.5*	28.2	0.3	437		
	1010	LC-3	11.0	17.2	5.3	388		
		GV-1						
		GV-4						
	1030	GV-6	7.2*	13	6.7	171		
		GV-7						
		GV-9						
		GV-12						
	1320/1330	GP-1	0*/0*	3.6/2.4	52/11.9			

\* GP-8

\* GP-2

\* GP-10

----- S. Koro Road -----

\* GP-7

\* GP-3

GV-1

GV-2

GV-3

GV-4

\* GP-11

GV-8

GV-7

GV-6

GV-5

\* GP-6

GV-9

GV-10

GV-11

GV-12

\* GP-4

\* GP-1

\* GP-5

\* GP-12

04/18/2009 07:55 1920/48288Z





**ATTACHMENT F**  
**LANDFILL CAP INSPECTION FORM**



FF/NN Landfill Site Inspection Form

Inspector: Ashley A. Weimer

Date: 4-9-09

Type of inspection (circle): monthly quarterly semi-annual annual severe weather

	Good	Fair	Poor	Comments
1. Vegetative cover (condition, trees or bushes on cap)	X			
2. Soil stability (erosion control)	X			
3. Cover integrity (no exposed waste or ruts)	X			
4. Surface water drainage (settlement or ponding)	X			
5. Surface seep control	X			
6. Unauthorized access control (fence, gates, locks, signs, vandalism)	X			
7. Groundwater well maintenance (seals, casing, labels)	X			
8. Gas vents	X			
9. Drainage layer discharge pipes	X			
10. Other activities on or adjacent to landfill	X			
11. Additional comments				
12. Items to be observed in future inspections				
13. Recommended maintenance activities				