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STATUS REPORT FOR PERIOD ENDING OCTOBER 31, 2004
FF/NN LANDFILL
RIPON, WISCONSIN

November 29, 2004

Prepared For:

FF/NN Landfill PRP Group

Prepared By:

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

Project No. 1011.002

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Senior Engineer

Heidi W Yantz
Project Hydrogeologist

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CONTRACT SF-92-01

STATUS REPORT

OCTOBER 2004 GROUNDWATER SAMPLING EVENT

SITE NAME/ACTIVITY:

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

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

PREPARED BY:

Mr. Gerald DeMers and Ms. Heidi Yantz
GeoTrans, Inc.
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PREPARED FOR:

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625 E. County Road Y, Suite 700
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Mr. Bernard Schorle
U S Environmental Protection Agency
SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604

DATE:

November 29, 2004

FIELD ACTIVITIES THIS REPORTING PERIOD:

- Gas sampling with summa canisters was conducted on September 29, 2004 on three gas probes and one leachate well.

- Seven gas probes were installed around the perimeter of the landfill on September 30 and October 1, 2004. The work plan called for eight probes to be installed; however, the rough topography and slopes west of the landfill required a change in location for one probe while one probe could not be installed at all.

- Groundwater elevations were measured at 27 monitoring wells and three leachate wells on October 12, 2004.

- A total of 24 monitoring wells and three private drinking wells were sampled for VOCs during the October 2004 event. The sampling program followed the plan approved by the WDNR in a letter dated October 4, 2004.

- A surface water sample was collected from the wetland west of Koro Road and it was analyzed for VOCs.

- Landfill gas was monitored in September 2004, immediately following the additional gas probe installation. Landfill gas was also monitored during the sampling event in October 2004.

- Leachate sample collection is required annually. Well LC-2 continues to be the only leachate well with sufficient liquid for sample collection; it was last sampled in April 2004. LC-1 and LC-3 were both dry.

- A landfill cap inspection was conducted on October 12, 2004.

RESULTS OF FIELD ACTIVITIES

Groundwater Monitoring Event - Groundwater Elevations

Historically, groundwater elevations have been represented on two maps: a water table map and a potentiometric surface map. In 2002, the wells were grouped according to screen elevations and groundwater elevations have since been represented on four separate maps. Attachment A contains a table showing the wells in each layer.

On October 12, 2004, groundwater elevations were measured for 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 historic water table elevation. The groundwater elevations are displayed on Figure 1.

The shallow groundwater flow has historically had a southwest direction, occasionally with a more westerly component. During the October 2004 event, the groundwater flow was to the west-southwest.

Layer 2 Wells

Layer 2 contains eight wells with screen elevations ranging from 774 feet to 791 feet MSL. The groundwater potentiometric surface is displayed on Figure 2.

Historically, groundwater flow at these elevations has been to the southwest. During the October 2004 event, flow was to the southwest.

Layer 3 Wells

With the installation of well P-103D in December 2003 and the conversion of private wells to P-115 and P-116 in April 2004, layer 3 now includes seven wells. The screen elevations for these wells range from 634 feet to 704 feet MSL.

The Layer 3 potentiometric surface is displayed on Figure 3. The August 2002, December 2002 and April 2003 water level measurements indicated a groundwater flow direction to the west, while the October 2003 and April 2004 levels indicated a more southwesterly flow. The October 2004 levels indicate a southwesterly flow that turns westerly based on the potentiometric surfaces measured in P-113B and P-116. Green Lake lies to the southwest and, according to Bill Batten at the Wisconsin Geologic and Natural History Survey (phone conversation, fall 2003), the Lake may influence groundwater flow even at these depths.

Layer 4 Wells

Layer 4 includes three wells with screen elevations ranging from 507 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill.

Historic water level measurements beginning in 2002 indicate a groundwater flow direction to the southeast, which is confirmed by the recent measurements. The October 2004 potentiometric surface for Layer 4 is shown on Figure 4.

Groundwater Monitoring Event - Volatile Organic Compounds in Monitoring Wells

In a letter dated October 4, 2004, Ms. Jennie Easterly approved a revised groundwater monitoring program. This program was followed for the October 2004 groundwater sampling. A table showing the monitoring schedule for each well through the end of 2005 is provided in Attachment B. Historic and current volatile organic compound (VOC) analytical results for the monitoring wells are provided in Table 2. Charts of concentrations of chlorinated compounds in groundwater follow the Figures. Analytical results are found in Attachment C. Field forms are found in Attachment D.

Following is a summary of the October 2004 VOC analytical results as they relate to groundwater standards for each well that was sampled. These samples were analyzed using EPA method 8260B. To better track impacts at various depths, the results are organized according to the stratigraphic groupings of wells discussed previously.

Approximately half of the wells sampled during this event had low-level detections of chloromethane that exceeded the Preventive Action Limit (PAL) of 0.30 ppb. Chloromethane is a naturally-occurring chemical that is made in large amounts in the oceans and is produced by rotting or burning organic matter. Given the randomness of the detections (found in shallow and deeper wells that are both near and far away from the landfill, not in duplicate samples), we do not believe this compound originated from the landfill; rather, it is either a lab artifact or naturally occurring. It has been included on the data tables but is not discussed below.

Layer 1 Wells

MW-101 No detection of any VOC except for acetone, which is well below its PAL.

MW-102 No detection of any VOC.

MW-103 Vinyl chloride was detected at 7.9 ppb, which is consistent with the April 2004 results and is above the Enforcement Standard (ES). Benzene, cis-1,2-dichloroethene (cis-DCE) and trichloroethene (TCE) continue to exceed their PALs at 1.4 ppb, 12 ppb and 0.78 ppb, respectively.

MW-104 Vinyl chloride exceeded its ES at 20 ppb; this is one of the higher concentrations detected in this well. Benzene and cis-DCE exceeded their PALs at 2.5 ppb and 10 ppb respectively.

MW-106 Not sampled during this monitoring event.

MW-107 TCE exceeded its PAL at 0.65 ug/L. This concentration is consistent with previous results.

MW-108 Vinyl chloride was detected at 0.67 ppb, which exceeds its ES. TCE was detected at 1.3 ppb which exceeds its PAL. Neither of these compounds have been detected in this well prior to this event.

MW-111 No detection of any VOC.

MW-112 Vinyl chloride exceeded its ES at 25 ppb (29 ppb in duplicate). Cis-DCE exceeded its ES at 110 ppb (94ppb in duplicate). Benzene and TCE exceeded their PALS at 0.87 ppb and 2.9 ppb respectively. These concentrations are consistent with recent results. The duplicate sample taken at this well had 0.60 ppb of PCE, but the primary sample did not show any PCE. PCE showed up in the July 2004 sample in this well but had never been seen before that.

Layer 2 Wells

P-101 No detection of any VOC.

P-102 Vinyl chloride was detected above its ES at 0.32 ppb. This is the lowest concentration seen since vinyl chloride was first detected in 2002.

P-103 Vinyl chloride was detected above its ES at 1.7 ppb. This compound has only been detected one other time in this well, at 0.1 ppb in 1996.

P-104 No detection of any VOC except for the chloromethane noted previously.

P-106 TCE was detected above its PAL at 0.84 ppb. Historical concentrations have ranged from non-detect to 0.8 ppb.

P-107 Vinyl chloride exceeded its ES at 0.64 ppb although it was not detected in the duplicate sample. Vinyl chloride concentrations have been decreasing slowly since 1993 with minor fluctuations.

P-108 No detection of any VOC except for the chloromethane noted previously.

P-111 Not sampled during this monitoring event.

Layer 3 Wells

MW-3B	No detection of any VOC.
P-103D	No vinyl chloride was detected in this well, which previously had an ES exceedance for vinyl chloride at 1.3 ppb in July 2004.
P-111D	Vinyl chloride exceeded its ES at 11 ppb. This concentration is consistent with historical results.
P-113B	No detection of any VOC except for the chloromethane noted previously.
P-114	Vinyl chloride exceeded its ES at 10 ppb. This is the same concentration detected during the May 2004 event.
P-115	This is the former Wiese private drinking water well. Vinyl chloride exceeded its ES at 0.33 ppb. This is the first occurrence of vinyl chloride detected in this well since monitoring began in 1993.
P-116	No detection of any VOC.

Layer 4 Wells

MW-3A	No detection of any VOC.
P-107D	Vinyl chloride exceeded its ES at 5.9 ppb. There has been a gradual increasing trend in concentrations since December 2002. This recent detection is still less than the historical high of 10 ppb in October 2001.
P-113A	No detection of any VOC.

Groundwater Monitoring Event - VOCs in Private Drinking Water Wells

Historically, seven private wells have been monitored. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Baneck, Gaastra and Rohde) were monitored during this October 2004 event. There were no detections of any VOC. The current and historical results are found on Table 3.

Leachate Sampling

Per the October 4, 2004 letter from Ms. Jennie Easterly of the WDNR, leachate sampling and analysis is required on an annual basis. A sample was last collected from LC-2 during the April 2004 event. Well LC-1 has either been dry or had insufficient liquid for sampling since 1999. Well LC-3 has been dry since monitoring began in 1993, with the exception of one event, in May 2000. Historical results for all three wells are found in Table 4.

Gas Probe Installation

Seven additional gas probes around the perimeter of the landfill on September 30 and October 1, 2004. Installation of an eighth probe was planned. However, due to slopes being steeper than expected on the west side of Koro Road, the location of one probe was moved slightly south to provide coverage for the northwest corner of the landfill, and the location of the eighth new probe was determined to be infeasible and unnecessary. Figure 5 shows the locations of the gas probes installed. These seven new probes have not been surveyed so these locations are approximate.

Environmental Drilling Services (EDS) of DePere, Wisconsin, installed the gas probes. GeoTrans Hydrogeologist Kevin Lincicum oversaw the probe installation. Borehole logs and gas probe construction forms are found in Attachment E.

Landfill Gas Measurements

The landfill gas monitoring was conducted pursuant to the October 4, 2004 letter which calls for quarterly sampling. With the installation of the latest gas probes, there are 26 points at which landfill gas is monitored (12 gas vents, 3 leachate wells and 11 gas probes). In addition, five water table wells located within 150 feet of the landfill (MW-101, MW-102, MW-103, MW-104 and MW-112) are monitored.

During the October 2004 event, methane was detected in LC-1, four gas vents, four monitoring wells and five gas probes. The lower explosive limit (LEL) for methane (5%) was exceeded at four locations within the waste boundaries and at five locations beyond the perimeter of the waste. The exceedances were:

- Monitoring well MW-104 (22.4%) and gas vents GV-4 (17.5%), GV-5 (16.1%) and GV-6 (22.1%). These are all located within the boundary of the landfill.
- Gas probes GP-1 (29.7%), GP-2 (23.6%), GP-3 (18.6%) and GP-7 (5.9%) and Monitoring Well MW-103 (6.2%). These are located outside of the landfill boundary. GP-7 is located about 140 feet from the fill area. The others are less than 75 feet from the fill area.

Methane also exceeded 25% of its LEL (1.25%) at the following locations:

- Leachate Head Well LC-1 (1.6%) and Gas Vent GV-3 (2.5%). These are located within the landfill.
- Monitor Wells MW-101 (2.9%), MW-112 (4.6%) and Gas Probe GP-8 (4.2%). Each of these is outside of the landfill boundary, but less than 100 feet from the fill area.

The field forms are found in Attachment F. Historical results are found in Tables 5a, 5b and 5c.

Cap Inspection

The cap inspection was conducted on October 12, 2004. No unusual conditions were noted. The field form is found in Attachment G.

Gas Sampling Using Summa Canisters

On September 29, 2004, gas sampling was conducted at three gas probes (GP-1, GP-2 and GP-3) and one leachate well (LC-1) using summa canisters. The canisters were provided by Analytical Services Center (ASC) of Lancaster, New York. Each canister was sent with a regulator that allowed a sampling time of one hour. After sampling was completed, the canisters were shipped to ASC for analysis of VOCs using method EPA Method TO-14A. The analytical results are summarized in Table 6 and the lab report is provided in Attachment H. Several VOCs were detected in each sample, including vinyl chloride which was detected in the samples from GP-2 and GP-3.

To confirm these initial gas sampling results another round of sampling using summa canisters will be conducted. This issue of landfill gas as a potential mode of transport will be evaluated in the forthcoming Feasibility Study.

UPCOMING ACTIVITIES PLANNED

Groundwater sampling will be conducted in February 2005 as outlined on the monitoring schedule provided in Attachment B.

Landfill gas monitoring will be conducted in February 2005. Additional Summa Canister samples will also be collected for analysis of VOCs.

Work will begin on the Feasibility Study.

PERSONNEL

Gerald DeMers is the Project Manager/Senior Engineer. Heidi Yantz is the Project Hydrogeologist. Ms. Yantz, along with Hardy Sawall, Project Engineer and Kevin Lincicum, Project Hydrogeologist, conducted the field activities. As a Principal Hydrogeologist, Mike Noel provides technical review for the project. The laboratory analyses for the October 2004 groundwater samples were completed by En Chem laboratories in Green Bay, Wisconsin. The laboratory analyses for the September 2004 gas sampling were completed by Analytical Services Center in Lancaster, New York.

FIGURES

BANECK
GAASTRA
P-116
(HADEL)
CHARLES STREET
BICYCLE PATH
P-113A
P-113B
P-114
(EHSTER)
P-115
(WIESE)
MILLER
(abandoned)
ALTNAU (abandoned)
SOUTH KORO ROAD
P-111
P-111D
MW-111
(819.6)
ROHDE
MW-3A
MW-3B
LAYER 1
DIRECTION
OF FLOW
819
820
821
822
823
P-108
(819.0)
MW-108
MW-112
(821.14)
GP-3
GP-2
P-104
MW-104
(823.27)
LC-3
LC-1
P-107D
P-107
MW-107
(821.2)
P-103D
P-103
MW-103
(822.24)
LC-2
P-101
MW-101
(823.36)
GP-4
GP-1
P-102
MW-102
(823.71)
P-106
MW-106
(823.60)
CTY. HWY. FF

EXPLANATION

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

N

SCALE

0 500

Feet

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 1 WELLS
OCTOBER 2004

DATE:	11/9/04
DESIGNED:	RHS
CHECKED:	GLD
APPROVED:	GLD
DRAWN:	HJW
PROJ.:	1011.002

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Figure 1

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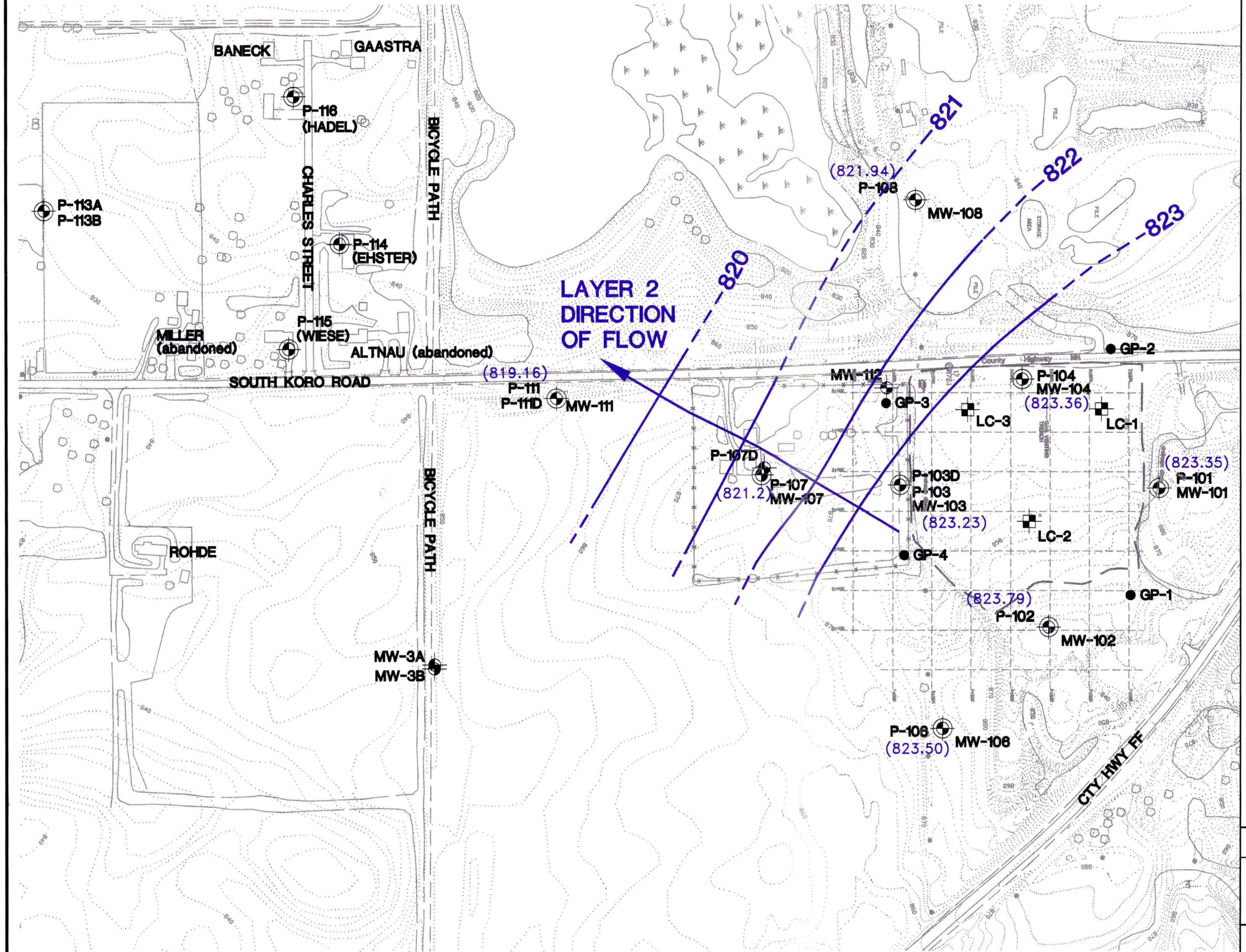

EXPLANATION

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

N

SCALE

0 500

Feet

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 2 WELLS
OCTOBER 2004

DATE:	11/9/04
DESIGNED:	RHS
CHECKED:	GLD
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Figure 2

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LAYER 3
DIRECTION
OF FLOW

BANECK

GAASTRA

P-116
(HADEL)
(817.80)

818

819

820

821

822

BICYCLE PATH

CHARLES STREET

P-113A
P-113B
(818.25)

(818.71)
P-114
(EHSTER)

(818.71)
P-115
(WIESE)

MILLER
(abandoned)

ALTNAU (abandoned)

SOUTH KORO ROAD

P-111
P-111D
MW-111
(819.77)

P-108
MW-108

GP-2

MW-112

GP-3

P-104
MW-104

LC-3

LC-1

P-107D

P-107
MW-107

(822.21)
P-103D
P-103
MW-103

P-101
MW-101

LC-2

GP-4

GP-1

P-102
MW-102

ROHDE

MW-3A
MW-3B
(819.66)

P-106
MW-106

CTY HWY FF

EXPLANATION

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

N

SCALE
0 500
Feet

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 3 WELLS
OCTOBER 2004

DATE:	11/9/04
DESIGNED:	RHS
CHECKED:	GLD
APPROVED:	GLD
DRAWN:	HJW
PROJ.:	1011.002

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Figure 3

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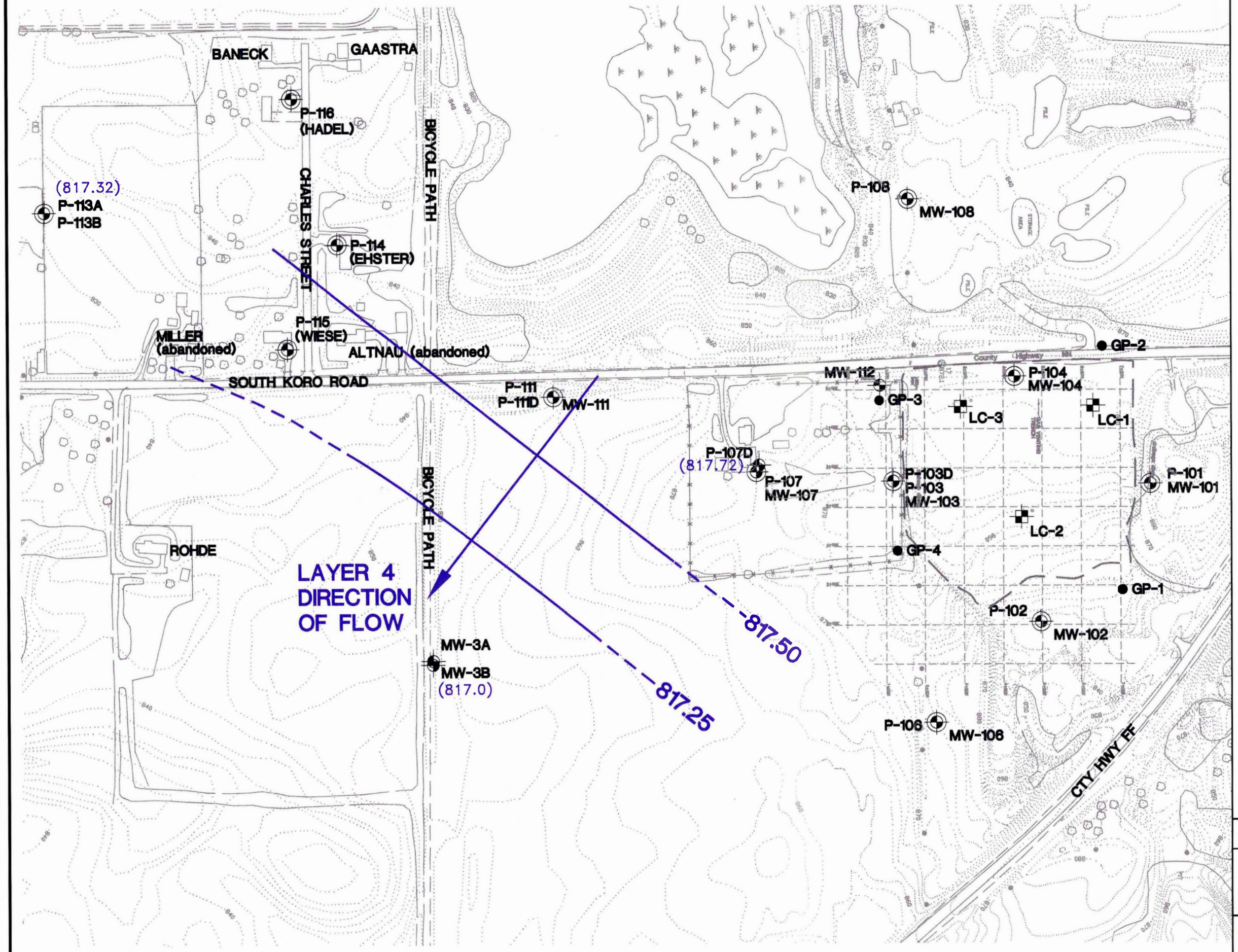

EXPLANATION

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

N

SCALE

0 500

Feet

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 4 WELLS
OCTOBER 2004

DATE:	11/9/04
DESIGNED:	RHS
CHECKED:	GLD
APPROVED:	GLD
DRAWN:	HJW
PROJ.:	1011.002

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Figure 4

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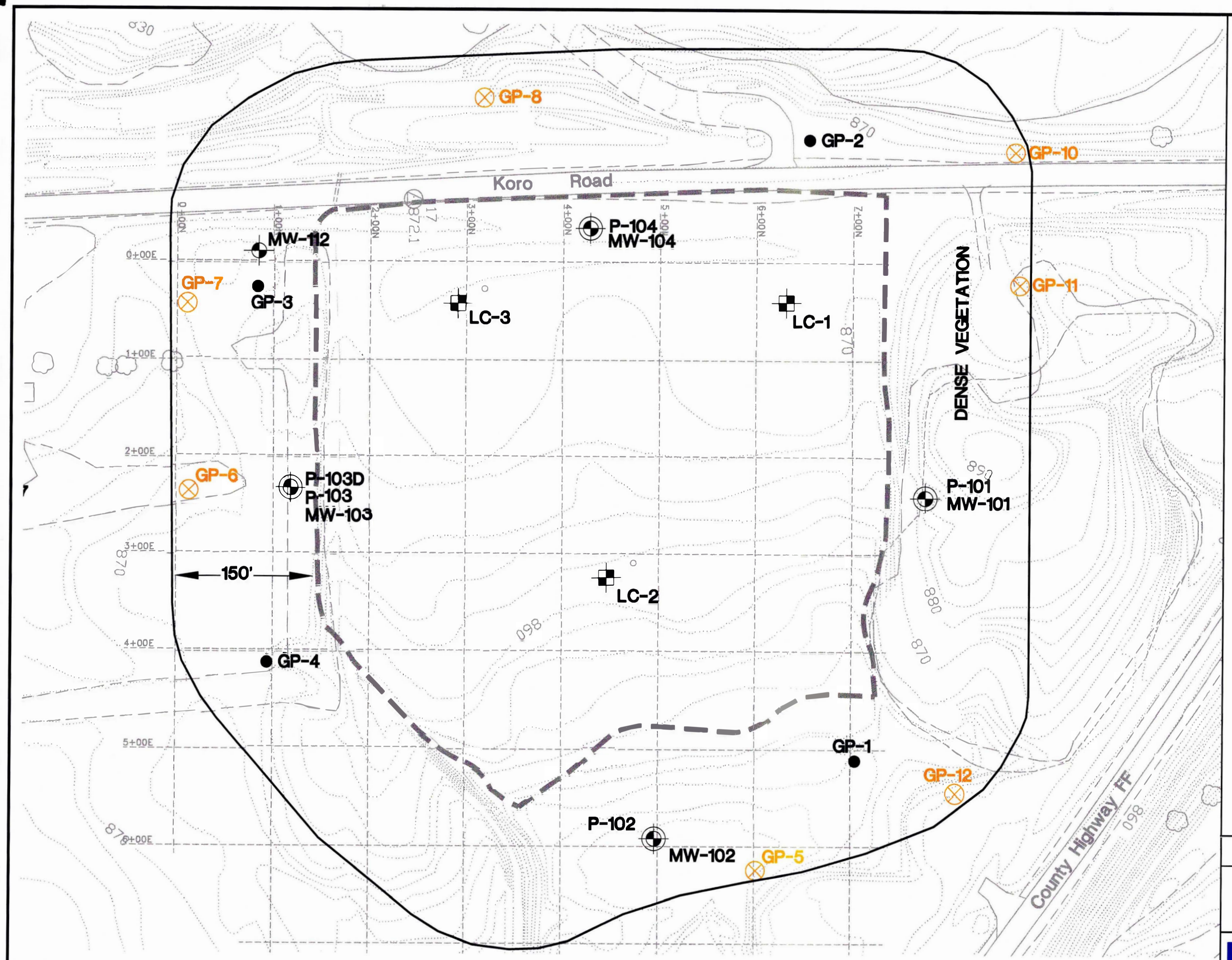

EXPLANATION

P-104 / MW-104	MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
LC-2	LEACHATE HEAD WELL LOCATION, DESIGNATION
– – –	OUTLINE OF CLOSED LANDFILL
● GP-1	GAS PROBE LOCATION AND DESIGNATION
⊗ GP-5	PROPOSED GAS PROBE LOCATION AND DESIGNATION

NOTE: CONTOURS ON LANDFILL DO NOT REFLECT CURRENT TOPOGRAPHY.

N

SCALE

0 200

Feet

FF/NN LANDFILL
RIPON, WISCONSIN

REVISED GAS PROBE LOCATIONS

DATE:	10/4/04
DESIGNED:	KFL
CHECKED:	HWY
APPROVED:	GLD
DRAWN:	HJW
PROJ.:	1011.002

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Figure 5

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TABLES

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

Well Name	TOC Elevation	Jun-93	Oct-93	Apr-94	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Oct-99	May-00	Oct-00
MW-101	884.8	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	822.66
MW-102	843.05	826.83	825.35	824.29	823.57	824.67	823.26			823.52	823.17	823.19
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	822.60
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	822.7	822.64
MW-106	878.9	826.67	824.21	824.24	820.96	824.61	823.23		822.42	823.45	823.1	822.96
P-106	878.91	826.63	824.09	824.07	823.42	824.51	823.16	820.40	822.33	823.38	823.02	822.89
MW-107	871.78	821.02	820.52	818.76	819.17	819.22		817.04	818.7	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	818.62
P-107D	871.98			819.13	817.47	819.52	818.29	816.77	817.56	817.78	817.34	818.1
MW-108	845.25		819	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	820.45
MW-111	856.46			817.58	817.93	818.1	817.29	816.29	817.33	818.3	817.28	817.32
P-111	856.13			817.09	817.43	817.6	816.78	815.75	816.85	817.83	816.79	816.83
P-111D	855.79	(Installed April 2002)										
MW-112	874.55				819.46	819.92	819.02		819.15	820.02	819.2	819.21
P-113A	833.09	(Installed September 2002)										
P-113B	833.1	(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	841.2	840.61	838.31	839.29	839.17	839.28
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
elevation has not been surveyed yet

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

Well Name	TOC Elevation	May-01	Oct-01	Feb-02	May-02	Aug-02	Oct-02	Dec-02	Apr-03	Oct-03	Feb-04	Apr-04	Jul-04	Oct-04
MW-101	884.8	823.13	824.17	823.18	DRY	DRY	NT	DRY	DRY	821.24	NM	822.87	825.76	823.36
P-101	885.26	823.06	824.16	823.19	800.47	814.42	NT	818.91	820.46	821.16	NM	822.86	825.76	823.35
MW-102	843.05		824.38	823.53	818.93	DRY	NT	DRY	820.95	821.57	NM	823.34	826.08	823.71
P-102	842.99	823.39	824.49	823.69	799.84	814.94	NT	819.47	821.08	821.66	NM	823.42	826.17	823.79
MW-103	872.42		821.63	>51.32	819.28	819.34	NT	DRY	DRY	819.61	NM	821.06	824.54	822.24
P-103	872.92	823.02	823.87	823	801.7	814.74	NT	819.01	820.52	821.12	NM	822.77	825.58	823.23
P-103D	873.08										820.64	821.89	824.385	822.205
MW-104	875.15		823.88	>51.28	DRY	DRY	NT	DRY	820.37	820.85	NM	822.75	825.49	823.27
P-104	875.48	823.10	824.03	823.12	802.51	814.82	NT	819.05	820.5	821.43	NM	822.82	825.61	823.36
MW-106	878.9	823.34	Dry	823.5	DRY	DRY	NT	DRY	DRY	821.58	NM	823.25	826.07	823.6
P-106	878.91	823.26	824.25	823.39	800.31	814.52	NT	819.18	820.8	821.49	NM	823.17	825.99	823.5
MW-107	871.78	819.36	820.12	>52.5	816.72	DRY	DRY	DRY	817.73	818.35	NM	819.63	823.41	821.2
P-107	871.38	819.35	820.12	818.86	809.86	813.29	NT	816.65	817.74	818.39	NM	819.71	823.34	821.2
P-107D	871.98	819.04	816.61	817.7	811.8	815.35	816.43	816.68	817.26	816.72	NM	818.68	819.78	817.72
MW-108	845.25	818.32	818.62	>27.7	815.44	815.45	NT	815.79	816.2	816.68	NM	817.86	820.27	819
P-108	845.61	820.97	822.08	820.66	811.84	815.19	NT	817.83	818.57	819.26	NM	820.52	823.39	821.94
MW-111	856.46	818.15	818.74	817.51	813.43	813.59	NT	815.42	816.14	816.71	NM	818.03	821.4	819.6
P-111	856.13	817.68	818.26	817.04	812.54	812.9	NT	814.9	815.68	816.27	NM	817.59	821.01	819.16
P-111D	855.79				807.7	815.16	816.73	816.22	818.17	817.95	NM	819.55	821.82	819.77
MW-112	874.55	819.87	820.52	822.87	814.38	814.47	NT	816.75	817.87	818.54	NM	819.89	823.17	821.14
P-113A	833.09						816.09	816.39	816.93	816.2	NM	817.91	818.17	817.32
P-113B	833.1						816.68	816.93	817.25	816.58	816.61	818.3	820.16	818.25
P-114	839.35								817.17	816.93	NM	818.55	820.44	818.71
P-115	842.71										NM	818.61	820.505	818.705
P-116	845.34										NM	817.54	819.305	817.795
MW-3A	850.77			817.24	810.74	815.18	816.11	815.99	816.63	815.67	NM	818.03	819.73	817
MW-3B	851.04			819.32	807.37	815.34	817.07	817.54	818.31	817.92	NM	819.79	822.01	819.66
LC1	876.15	846.3	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM	NM	846.45	NM	DRY
LC2	866.05	839.03	838.92	838.97	838.83	838.98	NT	838.75	839.17	NM	NM	839.27	NM	838.89
LC3	877.34	845.8	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM	NM	DRY	NM	DRY

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
		Parameters																														
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-3A	04/04/02	NR			NA																											
	05/22/02	NR			NA																											
	08/20/02	NR																														
	12/05/02	NR																														
	04/22/03																															
	10/22/03																															
	05/11/04																															
	10/14/04																															
MW-3B	04/04/02	NR			NA																				0.38						0.31	
	05/22/02	NR			NA																			NA								
	08/20/02	NR																						NA								
	12/05/02	NR																														
	4/22/03																															
	10/22/03																															
	05/11/04																														0.2 Q	
	07/22/04																															
	10/14/04																															
MW-101	10/1/93	NR																					0.7 J									
	04/1/94	NR																					0.6J									
	05/01/96	NR																					0.6J									
	10/01/96	NR								0.89 J													0.72 J									
	05/01/97	NR																														
	10/01/97	NR																					0.7									
	04/98*	NR																														
	10/01/98	NR																														
	04/01/99	NR																														
	10/01/99	NR																					0.7									
	05/01/00	NR																					0.32									
	10/01/00	NR																					0.38									
	05/01/02	NR																					0.28									
	10/11/01	NR																														
	02/05/02	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
	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
	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
	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
	10/23/2003																															
	4/28/2004																															
	10/13/2004	11																														

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters: Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-101	10/01/93	NR																														
	04/01/94	NR																							0.5J							
	020/5/02	NR			NA																			NA								
	05/22/02	NR			NA																			NA								
	10/13/2004																															
MW-102	10/26/93	NR																														
	04/11/94	NR																							3							
	05/08/96	NR																							0.4J							
	10/30/96	NR								0.99 J													0.30 J									
	05/12/97	NR																														
	10/26/97	NR																														
	04/13/98	NR														0.46																
	10/11/01	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
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/04																															
	10/14/2004																															
P-102	10/26/93	NR																														
	04/11/94	NR																														
	10/11/01	NR																														
	05/21/02	NR			NA																			NA						0.33Q		
	08/20/02	NR																						NA						0.62		
	12/04/02	NR																												0.68		
	04/21/03																				0.48 Q&									0.83		
	10/22/03																													0.96		
	04/27/04																													2.1		
	10/14/2004									0.5 Q																				0.32		

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

		Parameters																														
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-103 [2]	10/27/93	NR														410															75	
	04/11/94	NR														1100															440	
	04/01/94 Dup	NR														970															410	
	05/01/96	NR					7J									740	9J										10J				170	
	05/01/96 Dup	NR					8J			9 J						840	10J										11J				180	
	10/01/96	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	
	05/01/97	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	
	10/01/97	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																														
	10/01/98	NR	2				5.7									260	3.3										5.8				45	
	04/01/99	NR	1.4				4.7									150	2.4										3.9				47	
	10/01/99	NR					5.2									170	2.6										2.4				48	
	05/01/00	NR	1.8				6.5									170	3.4										4.1				60	
	10/01/00	NR	1.6				6.9	3.1			0.84		0.33			130	4.5	0.75									6.6				78	
	05/01/01	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	
	04/28/04		0.61 Q		26		0.53 Q									16											1.9				6.7	
	10/13/2004	56	1.4				1.7			0.52						12	2.5								0.89		0.78				7.9	
P-103	10/27/93	NR																														
	04/12/94	NR																														
	05/9/96	NR														0.1J									0.1J						0.1J	
	10/31/96	NR								0.84 J																						
	05/13/97	NR																														
	10/27/97	NR																														
	04/13/98	NR																														
	2/4/2002	NR			NA																			NA								
	05/21/02	NR			NA											[0.54]								NA								
	10/13/2004									0.52 Q																					1.7	
P-103D	02/4/04				NA																0.55Q			NA							1.1	
	05/11/04																														1.5	
	05/11/04 dup																														1.5	
	07/23/04																														1.3	
	07/23/04 dup																														1.5	
	10/13/2004									0.43 Q						0.86 Q																

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
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											0.8J				6	
	05/9/96	NR	6				5	1		0.3 J			0.2 J			6	0.3 J		0.1J						0.2 J		0.5J				10	
	10/30/96	NR	0.64 J				1.1	0.34 J		0.46 J						3.6	0.22 J		0.80 J								0.31 J				4.3	0.77 J
	05/12/97	NR	4.8				4.5	1.5			0.91					1.1						0.32									4.5	
	10/27/97	NR	0.63				1.3				0.85					7.3															18	
	04/13/98	NR	1.2													74	0.67								0.46		3.5				17	
	10/13/98	NR	1.7								0.76					3.3															15	4.1
	04/07/99	NR	3.2				1.4									6.6											0.71				6.1	
	10/27/99	NR	3.5				5.4				0.92					4.5															2.8	
	05/2/00	NR	3				5.7				1.5					0.7									0.13						1.1	
	10/30/00	NR	2				6.2				1.6					2.6									0.12		0.33				29	
	05/1/01	NR	2.5				5.6				2	0.47				7				0.26	0.51L			0.81	0.13		0.66				8.6	
	10/11/01	NR	3.1				9.5				2.3				0.85	2					0.39L				0.1				0.14		2.2	
	02/5/02	NR	2.7		NA	0.16	8				2	0.19				5.1				0.23				NA	0.17		0.73				13	
	05/21/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/03		1.8		6.9Q		3.1									4.6															6.5	
	10/23/2003	3.2	4				7.8				1.8					3.3															8.6	
	04/28/04		2.4				6				2.2 Q					6.4															8.7	
	10/13/2004		2.5				6.5				2.2 Q					10															20	
P-104	10/27/94	NR																														
	04/19/94	NR																														
	05/09/96	NR																														
	10/30/96	NR								0.20 J																						
	05/12/97	NR																														
	10/27/97	NR																														
	04/13/98	NR																														
	10/11/01	NR																			0.52L											
	02/5/02	NR	0.18		NA					0.85														NA								
	5/21/2002	NR			NA																			NA								
	08/20/02	NR																						NA								
	10/13/2004									0.45 Q																						
	10/13/04 Dup																															

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
	Parameters																															
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-106	10/1/93	NR																														
	04/01/94	NR																							11							
	02/04/02	NR			NA																			NA	0.25						
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	120/5/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/04																															
P-106	10/01/93	NR																									0.6J					
	04/01/94	NR																									0.8J					
	05/01/96	NR														0.2 J											0.8J					
	10/01/96	NR								0.62J																	0.22 J					
	05/01/97	NR																									0.65					
	10/01/97	NR																									0.67					
	04/01/98	NR																									0.61					
	10/01/98	NR																									0.71					
	04/01/99	NR																									0.58					
	10/1/99	NR																									0.61					
	05/01/00	NR																									0.56					
	10/01/00	NR																									0.6					
	05/01/01	NR																									0.56					
	10/11/01	NR																									0.39					
	2/5/2002	NR			NA																			NA			0.6					
	02/05/02 Dup	NR			NA																			NA			0.6					
	05/22/02	NR			NA																			NA			0.49					
	05/22/02Dup	NR			NA																			NA			0.47 Q					
	08/20/02	NR																						NA			0.43 Q					
	12/4/02	NR																									0.53					
	04/22/03																										0.55 Q					
	10/21/03																										0.56					
	10/21/03 Dup																															
	4/27/2004																															
	10/13/2004									0.9																	0.84 Q					

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																												
		Acetone [1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-107	10/27/1993	NR																									2					
	4/12/1994	NR																									2					
	5/9/1996	NR																									2					
	10/21/1996	NR								0.80 J																	2.2					
	5/13/1997	NR										0.9															2.6					
	10/27/1997	NR										0.7															2					
	4/14/1998	NR																									2.1					
	10/13/98*	NR																									NA					
	4/6/1999	NR																									1.8					
	10/27/1999	NR																									1.1					
	5/2/2000	NR																									1.6					
	10/31/2000	NR																									1.2					
	5/31/2001	NR										0.47									0.57L						1.8					
	10/11/2001	NR																									0.87					
	2/4/2002	NR			NA							0.35												NA			1.4					
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003																				0.52						1.2					
	10/21/2003																										2.2					
	4/27/2004																										1.9					
	10/13/2004									0.63 Q																	0.65 Q					

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																												
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-107	10/27/1993	NR														4															6	
	4/12/1994	NR														2									0.7J						3	
	4/12/94 Dup	NR														2									0.7J						3	
	5/9/1996	NR	0.1 J					0.2 J								2									0.1 J		0.1 J				2	
	10/23/1996	NR						0.19		0.79 J						1.9															2.3	
	10/23/96 Dup	NR						0.21		0.49 J						2.1															2.7	
	5/14/1997	NR														1.3															2	
	5/14/97 Dup	NR														1.1															1.7	
	10/27/1997	NR														2.2															2.6	
	10/27/97 DUP	NR														1.8															2.3	
	4/14/1998	NR														2.3															2.2	
	4/14/98 Dup	NR														2.3															2.4	
	10/14/1998	NR														2.1										0.2					1.5	
	10/14/98 DUP	NR														2.4															1.7	
	4/6/1999	NR														1.5															0.58	
	10/27/1999	NR														1.8																
	10/27/99 Dup	NR														1.8																
	5/2/2000	NR														1.5															1.2	
	5/02/00 Dup	NR														1.6															1.2	
	10/31/2000	NR														1.4																
	10/31/00 Dup	NR														1.4																
	5/9/2001	NR														0.96					0.52L			0.72			1.8				0.85	
	5/9/2001 Dup	NR														0.97					0.49L			0.79							0.86	
	10/11/2001	NR														1.6															1.7	
	10/11/01 Dup	NR														1.5															1.7	
	2/4/2002	NR			NA											1.6								NA							1.2	
	5/21/2002	NR			NA											1.8								NA							1.5	
	5/21/02 Dup	NR			NA											1.7								NA							1.4	
	8/20/2002	NR														0.84								NA							0.54Q	
	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																

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters																													
		Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-107D	10/27/1993	NR														2B														6	
	4/13/1994	NR																													
	5/9/1996	NR	0.1J							0.3J						0.2J									0.3J					0.6J	
	10/23/1996	NR								0.44 J																				3.9	
	5/14/1997	NR														0.49														2.4	
	10/27/1997	NR														1.7														5.1	
	4/14/1998	NR														1														4.1	
	10/14/1998	NR																												2.2	
	4/6/1999	NR														0.34														0.87	
	10/27/1999	NR																												1.7	
	5/2/2000	NR																												1.3	
	10/31/2000	NR														0.64															
	01/05/2001	NR		0.33												1.5					0.44L			0.72B						5.6	
	10/11/2001	NR														2.2														10	
	2/4/2002	NR			NA											1.2								NA			0.17			3.9	
	02/04/02 Dup	NR														1.2														3.9	
	5/21/2002	NR			NA											1.1								NA						3.3	
	8/20/2002	NR														1.1								NA						3.1	
	12/4/2002	NR														0.75														0.81	
	4/21/2003															1.3 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	
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
	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
	12/5/2002	NR																													
	10/14/2004															1.2 Q											1.3 Q			0.67	

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters: Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-108	10/25/1993	NR																														
	10/25/93 Dup	NR																														
	4/13/1994	NR																														
	4/13/94 Dup	NR																														
	10/11/2001	NR																			0.32L											
	2/5/2002	NR			NA																			NA								
	5/21/2002	NR			NA																			NA								
	10/14/2004									0.45 Q																						
MW-111	4/19/1994	NR																														
	10/11/2001	NR																			0.30L											
	05/21/2002*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002	NR																						NA								
	12/5/2002	NR																														
	10/13/2004																															
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																															
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	
	07/23/04																														14	
	10/13/2004							1.9 Q																	1.6 Q						11	

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters: Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
MW-112	11/27/1996	NR	0.61					2 J								59	1 J										3J				15	
	11/27/96 Dup	NR	0.71					2 J								58	1 J										4J				16	
	5/12/1997	NR	0.59				0.27									5.4															2.2	
	10/26/1997	NR	0.5				0.29									1.3																
	4/13/1998	NR	0.69					1.4								57	1.3										1.9				12	
	10/13/1998	NR	0.76													80											1.2				25	
	4/6/1999	NR	0.72					1.4								40	0.56										1.7				7.9	
	10/27/1999	NR														7.6											1					
	5/2/2000	NR	0.46													3.4											0.39					
	10/30/2000	NR					0.37									5.6											0.37					
	5/9/2001	NR	0.42				0.42									3.5															0.98	
	10/11/2001	NR	0.36				0.39	0.53								27											0.83				3.7	
	2/4/2002	NR	0.23		NA		0.48									0.49								NA								
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002															150											2.7 Q				56	
	4/22/2003		1.2 Q					7.4 &								220	4.5 Q										5.9				45	
	10/22/2003	2.5	0.88					5.9								60	1.4										1.6				51	
	4/28/2004		0.53 Q				0.45 Q	4								18											1.1 Q				9.9	
	4/28/04 dup	6.5	0.61 Q				0.48 Q	4.7								22											1.1 Q				9.3	
	07/23/2004	110	1.1					23								140	2.6	0.58					1				7.4				31	
	10/13/2004		1.0 Q				0.42	14								110	2.4 Q										2.9				25	
	10/13/04 Dup		0.87 Q					15		0.56 Q						94	2.1 Q						0.60 Q				2.9				29	
P-113A	9/12/2002	NR							0.37Q																1.0Q							
	12/3/2002	NR																														
	4/23/2003																								2.2							
	10/22/2003																															
	5/11/2004																															
P-113B	09/11/2002 [3]	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																															
	07/22/04																															
	10/14/2004									0.49 Q																						

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
		Parameters																														
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000
P-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									0.40Q						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	
	07/22/04															1.4 Q															7.9	
	10/13/2004									0.39 Q						1.7 Q															10	
P-115 (former Wiese well)	10/9/2001	NR																														
	10/09/01 Dup	NR																														
	11/19/2001	NR																														
	2/5/2002	NR																														
	5/22/2002	NR																														
	8/19/2002	NR								0.20Q																						
	12/3/2002	NR																														
	4/22/2003																															
	7/30/2003																															
	10/22/2003																															
	2/4/2004																															
	4/27/2004																															
	10/14/2004																														0.33 Q	
P-116 (former Hadel well)	10/9/2001	NR																														
	11/19/2001[4]	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																															
	07/22/04																															
	10/14/2004																															

Table 2 - VOC Sampling Results for Groundwater
FF/NN Landfill, Ripon, WI

Sampling Point	Collection Date	Parameters: Acetone[1]	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000

Results in µg/L

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

PAL = Preventive Action Limit
ES = Enforcement Standard
Underline indicates exceeds NR 140 PAL
Bolding indicates exceeds NR 140 ES
Blank = Not detected
Historical data for abandoned wells MW-105, P-105, P-109 and MW-110 can be found in reports prior to October 204

* Not sampled due to insufficient water for sample collection

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

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

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

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

Table 3 - Groundwater Sampling 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
Regularly Monitored Wells												
Altnau	10/9/2001	NA	NA	ND	ND	ND	ND	**0.96**	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	**0.48**	270	2.8	18	320
	5/22/2002	NA	NA	ND	ND	ND	ND	**0.97**	280	ND	13	300
	08/21/2002-influent	NA	ND	ND	ND	ND	ND	**1.2**	300	ND	15	320
	08/21/2002-post filter	0.97	ND	ND	ND	ND	ND	**ND**	NR	NR	NR	NR
	November 2002	Home connected to public water supply. Well abandoned.										
Baneck	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	280	3.2	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	5/22/2002 Dup	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	8/19/2002	ND	ND	ND	ND	ND	ND	ND	300	[3.0]	ND	290
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Gaastra	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	270
	8/19/2002	ND	ND	0.24Q	ND	ND	ND	ND	300	ND	ND	280
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	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
Miller	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	05/09/01 Dup	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 Dup	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	280	3.7	5.2	290
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	290
	8/20/2002	ND	ND	ND	ND	ND	ND	ND	290	ND	ND	290
	November 2002	Home connected to public water supply. Well abandoned.										

Table 3 - Groundwater Sampling 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
Rohde	10/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 [1]	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/4/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	300
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	290
	8/20/2002	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	290
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Underline values indicate PAL exceedance
Bold values indicate ES exceedance
Q = detected at less than quantitation limit

ND= not detected above the level of detection
NA = not analyzed
NR = not required to analyze

PAL = Preventive Action Limit
ES = Enforcement Standard

[1] Methylene Chloride was detected in 11/19/01 samples 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 for monitoring wells for Ehster, Hadel and Wiese data
Began analyzing using method 542.2 with August 2002 event

Table 4 Volatile Organic Compound Detected in Leachate
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
		6/24 Dup	<25	<8	<2	<2	6D	<2	NA	2	2	1DJ	<2	13D	11D	NA	NA	<8	NA	NA	<2	NA	23D	NA	<2	NA	NA	7D	82D	NA	NA
	1996	5/10	2.2	<120	<25	<25	<25	4J	ND	ND	ND	<25	<25	0.46J	4J	ND	NA	<120	NA	ND	<25	NA	<25	ND	<25	NA	NA	<25	86	NA	NA
		10/31	<16	<5	<1	0.58J	1.5	<1	ND	ND	ND	<1	<1	<12	8.3	ND	NA	23	NA	ND	<1	NA	4.7	ND	<1	NA	NA	<1	280	NA	NA
	1997	5/13	1.7	<100	90	<11	<60	<19	ND	ND	ND	<18	<12	<0.23	<19	ND	<18	<18	<18	ND	<32	<95	<20	ND	<24	<16	<16	<23	<55	<7.0	<6.5
		10/28	3.6	5.9	<1.0	0.23	9.4	<0.38	ND	ND	ND	0.87	<0.25	<2.3	3.6	ND	1.7	0.80	6.8	ND	<0.63	97	1.2	ND	<0.49	9.6	8.7	<0.46	29	1.1	0.49
	1998	4/14	3.8	<20	<10	<2.2	35	<3.8	ND	ND	ND	<3.5	<2.5	<2.3	<3.8	ND	<3.5	<3.7	13	ND	<6.3	110	<3.9	ND	<4.9	14	12	<4.6	50	<1.4	<1.3
		10/14	NA	NA	NA	<2.2	<12	<3.8	ND	ND	ND	<3.5	<2.5	NA	19	ND	6.3	NA	18	ND	<6.3	NA	<3.9	ND	<4.9	37	22	<4.6	100	<1.4	<1.3
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/30*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																												
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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

Table 4 Volatile Organic Compound Detected in Leachate
FF/NN Landfill
Ripon, Wisconsin

			Parameter																												
Leachate Well ID	Year	Date	Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Di-isopropyl ether
LC-3	1993	5/12*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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
	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
		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
	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
		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
	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
		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
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5800	<25	<25	<25	<25	25	<25	<25	<25	65	<25	<25	<10	<10	330	<25	<25	<25
		10/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																												
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

All concentrations are in parts per billion (ppb)

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

Table 5A: Methane
FF/NN Landfill Gas Screening
Ripon, Wisconsin

	% Methane (CH4)											
Well/Vent #	05/15/97	10/28/97	04/28/98	10/13/98	10/28/99	05/03/00	10/30/00	05/09/01	10/23/01	05/21/02 #	12/03/02	04/21/03 #
LC-1	0.5	14.6	17	10.6	23	1.8	2.1	3	9.7	0	8	NT
LC-2	1	35.2	13.3	14.3	32	17.9	21	29	42.2	0	29.2	NT
LC-3	0	28.5	22.9	25.2	30	2.4	40.1	59.5	59	0	40.8	NT
MW-101	0.8	0.9	0.4	0	0	0	0	0	0	0	1.9	NT
MW-102	0	0	2.2	0	0	0.1	0	0	0	0	0.1	0
MW-103	0	4.6	10.6	11.6	4.3	0	11.4	0	0	0	1.5	0.1
MW-104	0	51.4	23.1	49.5	1.7	0	29.7	16.7	0	0	4.2	NT
MW-112	NT	NT	NT	NT	NT	NT	NT	NT	NT	0	1.2	0
GV-1	0	51.1	24	10.4	0	0	0	6.8	28.6	0.1	5.5	NT
GV-2	0.5	46.5	0.1	29.3	0.1	0.7	27.1	10.2	22.6	0	13	NT
GV-3	0	41.3	0	32.6	0.3	0.6	32	22.2	0	0	7.1	NT
GV-4	0	20.4	0	21.8	0.8	0	0	0.1	0	0	9.4	NT
GV-5	0.5	0	10.1	17.5	8.8	0	0	0	0	0	3.8	NT
GV-6	0	46	0	19.4	0.2	2.4	5.5	4.3	0	0	0	NT
GV-7	0	53.7	0	1.8	0.1	2.8	5.3	28.2	23.8	0	4.7	NT
GV-8	0	57	17	0	0.1	6.1	21.2	38.5	20.5	0	0.1	NT
GV-9	0	51.8	43.3	0	0	23.7	19.4	38.9	0	0	22.8	NT
GV-10	0	0	0	0	0	9.6	0	7.1	0	0	0.1	NT
GV-11	2.8	7.7	2.6	0	0	8.9	0	0	0	0	0	NT
GV-12	0	0	19.7	0	1.5	0	0	0	0	0	0.2	NT
GP-1										installed April 2004		
GP-2										installed May 2004		
GP-3										installed April 2004		
GP-4										installed May 2004		
GP-5												
GP-6												
GP-7												
GP-8												
GP-9												
GP-10												
GP-11										installed May 2004		
GP-12										installed May 2005		
Background	NR	NR	NR	NR	NR	NR	NR	NR	NR	0	0	0

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 5A: Methane
FF/NN Landfill Gas Screening
Ripon, Wisconsin

		% Methane (CH4)			
Well/Vent #	07/30/03	10/21/03	04/28/04	06/16/04	10/12/04
LC-1	2.4	0	0.6	not monitored	1.6
LC-2	6.6	2.3	3.4		0
LC-3	17.2	0	31.2		0
MW-101	0	0	0		2.9
MW-102	2.8	0	0		0
MW-103	3.9	0	3.3		6.2
MW-104	11.1	0	11.5		22.4
MW-112	0.8	0	2.6		4.6
GV-1	0	0	0		0
GV-2	1	0	0		0
GV-3	0	6.1	0		2.5
GV-4	0	0	0		17.5
GV-5	0	0	0		16.1
GV-6	0	2.1	0		22.1
GV-7	1.6	0	0		0
GV-8	0.6	0	0		0
GV-9	19.9	0	0		0
GV-10	0	0	21.3		0
GV-11	1	0	0		0
GV-12	0	2.1	6		0
GP-1			43.6	28.7	29.7
GP-2				24.7	23.6
GP-3			13.6	13	18.6
GP-4				0	0
GP-5		installed fall 2004			0
GP-6		installed fall 2004			0
GP-7		installed fall 2004			5.9
GP-8		installed fall 2004			4.2
GP-9		installed fall 2004			0
GP-10		installed fall 2004			0
GP-11		installed fall 2004			0
GP-12		installed fall 2004			0
Background	0	0	0	NR	0

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 5B: Carbon Dioxide
FF/NN Landfill Gas Screening
Ripon, Wisconsin

Well/Vent #	% Carbon Dioxide (CO_2)										
	05/15/97	10/28/97	04/23/98	10/13/98	10/28/99	05/03/00	10/30/00	05/09/01	10/23/01	05/21/02 #	12/03/02
LC-1	0.6	10.8	11.1	7.3	14.9	1.2	1.7	1.8	6.8	0	5.2
LC-2	1.1	23.3	8	9.7	27.9	11.4	13.2	17.8	24	0	13.2
LC-3	0	20.1	14.4	18.7	26.9	1.8	31	36.6	39.8	0	8.6
MW-101	5.9	1	4.1	0.5	0	0	0	0.1	0.3	0	16.2
MW-102	0	12.3	5.2	0.2	1.1	2	12.2	0.2	0.4	0.1	3
MW-103	0	5.3	15.8	18.5	3.2	0	15.9	0.1	0.2	0	4.3
MW-104	0	29.3	21.8	30.3	1.3	0	22.2	19.2	0.2	0	4.8
MW-112	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	2.4
GV-1	0	34.2	16	8.5	0	0	0	5.3	22.7	0.1	4.8
GV-2	0.8	35.5	0.2	21.5	0.1	0.9	21.1	6.9	19.7	0	10.6
GV-3	0	34	0	27.5	0.2	0.6	26.5	15.5	0	0	5.6
GV-4	0	18.6	0	18.7	1.1	0	0	0.1	0	0	7.1
GV-5	0.3	0	7.7	16.1	10	0	0	0.1	0	0	3.5
GV-6	0	35	0	15	0.2	3	4.8	3.3	0	0	0
GV-7	0	37.1	0	1.7	0	2.3	5.4	19.6	17.2	0	5
GV-8	0	37.9	10.7	0	0.1	4.8	15.4	29.6	9.5	0	0
GV-9	0	31.3	26.9	0	0	15	16	23.6	0	0	15.4
GV-10	0	0	0.1	0	0	7.7	0	5.4	0	0	0
GV-11	2	6.3	1.9	0	0	6.8	0	0.1	0	0	0
GV-12	0	0	19.3	0	2.8	0	0	0.1	0	0	0
GP-1									installed April 2004		
GP-2									installed May 2004		
GP-3									installed April 2004		
GP-4									installed May 2004		
GP-5											
GP-6											
GP-7											
GP-8											
GP-10											
GP-11											
GP-12									installed May 2004		
Background	NR	NR	NR	NR	NR	NR	NR	NR	NR	0	0

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 5B: Carbon Dioxide
FF/NN Landfill Gas Screening
Ripon, Wisconsin

Well/Vent #	% Carbon Dioxide (CO2)					
	04/21/03 #	07/30/03	10/21/03	04/28/04	06/16/04	10/12/04
LC-1	NT	1.5	0	0.7	not monitored	1.5
LC-2	NT	4	1.5	2.7		0.1
LC-3	NT	10	0	21.3		0.2
MW-101	NT	0	0.3	0.6		14.2
MW-102	0.1	14.3	0	0		8.1
MW-103	0	14.1	0	15.9		13
MW-104	NT	12.6	0	125.8		14.4
MW-112	0	10.7	0	14.9		10.9
GV-1	NT	0	0	0		0.2
GV-2	NT	0.7	0	0		0
GV-3	NT	0	14.9	0		4
GV-4	NT	0	0	0		12
GV-5	NT	0	0	0		16.2
GV-6	NT	0	4.5	0		15.2
GV-7	NT	1	0	0		0
GV-8	NT	0.7	0.3	0		0.2
GV-9	NT	10.2	0	0		0.2
GV-10	NT	0	0	14.4		0.2
GV-11	NT	0.7	0	0		0
GV-12	NT	0	4.9	0		0.2
GP-1				17.2	13.7	15.6
GP-2					23.1	20.7
GP-3				15.7	13.7	15.1
GP-4					2.5	4.8
GP-5			installed fall 2004			7.9
GP-6			installed fall 2004			5.1
GP-7			installed fall 2004			8.9
GP-8			installed fall 2004			11.9
GP-10			installed fall 2004			5.4
GP-11			installed fall 2004			1.9
GP-12			installed fall 2004			4.7
Background	0	0	0	0	NR	0.2

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 5C: Oxygen
FF/NN Landfill Gas Screening
Ripon, Wisconsin

Well/Vent #	% Oxygen (O_2)											
Date:	05/15/97	10/28/97	04/23/98	10/13/98	10/28/99	05/03/00	10/30/00	05/09/01	10/23/01	05/21/02 #	12/03/02	04/21/03 #
LC-1	21.2	16	15.1	15.7	11.8	19.8	17.4	19.7	5	16.9	18.2	NT
LC-2	25.2	8.8	16.9	14.5	3.2	15	12.6	12.0	7.1	17	14.4	NT
LC-3	22.1	10.9	15.1	18.7	3.8	19.4	6.5	0.3	1.4	16.9	7.6	NT
MW-101	23.9	20.9	18.3	18.9	19.6	20.1	17.8	20.3	20.8	16.8	2	NT
MW-102	27.1	0	0.9	19.2	18.2	12.5	4.4	20.5	19.9	16.6	17.8	20.6
MW-103	27.4	19.4	3.8	1.2	14.2	20.2	4.0	20.5	21.3	16.3	14.3	20.9
MW-104	21.5	0	0.1	0	17.6	20.1	0.2	0.6	21.1	NT	13.5	NT
MW-112	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.5	17.8	20.2
GV-1	20.5	0	11.8	13.9	19.5	20.1	18.3	19.0	5	17.4	17.9	NT
GV-2	19.9	0	21.3	5.8	19.1	19.7	6.7	16.3	9.7	17.8	13.9	NT
GV-3	26.4	0	21.6	1.9	19.2	19.9	3.5	11.3	20.9	16.8	18.7	NT
GV-4	21.5	8	21.6	7.6	18.5	20.2	18.1	20.6	21.1	16.8	16.8	NT
GV-5	21.5	20.9	15.3	9.6	11.6	20.4	18.3	20.6	21.1	16.9	19.1	NT
GV-6	21.6	1.1	21.3	9.5	19.3	18.3	17.2	18.8	21	18.8	20.3	NT
GV-7	21.5	3.4	21.2	18.2	19.6	19.5	17.02	6.3	9.1	16.8	17.4	NT
GV-8	25.9	0	16.3	19.4	19.6	18.2	14.0	3.2	10.8	16.8	20.4	NT
GV-9	21.7	2	3.7	19.3	19.6	9.1	14.6	4.2	21	17.3	14.2	NT
GV-10	25.3	20.6	21.6	19.4	19.6	16.2	18.1	16.9	20.1	16.8	20.4	NT
GV-11	20.9	17.8	20.5	19.2	19.5	115.8	18.2	20.6	21.1	16.9	20.2	NT
GV-12	25.4	20.9	8.1	19.2	17.2	20.3	18.3	20.7	21	16.9	20.3	NT
GP-1										installed April 2004		
GP-2										installed May 2004		
GP-3										installed April 2004		
GP-4										installed May 2004		
GP-5												
GP-6												
GP-7												
GP-8												
GP-10												
GP-11												
GP-12										installed May 2004		
Background	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	~20.2	NR

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 5C: Oxygen
FF/NN Landfill Gas Screening
Ripon, Wisconsin

Well/Vent #	% Oxygen (O2)				
Date:	07/30/03	10/21/03	04/28/04	06/16/04	10/12/04
LC-1	19.4	20.3	19.4	not monitored	19.1
LC-2	18.2	19.6	18.3		19.8
LC-3	14.9	20.3	7.2		19.7
MW-101	20.3	19.6	18.9		1.1
MW-102	0.6	20.3	19.6		7.8
MW-103	3	20.3	0.6		0.9
MW-104	3.7	20.3	6.6		0.3
MW-112	3.9	20.2	0.5		1.4
GV-1	20.6	20.2	19.5		19.6
GV-2	18.8	20.3	19.6		19.8
GV-3	20.4	8.2	19.6		17.3
GV-4	20.4	20.3	19.8		10
GV-5	20.3	20.2	19.8		6.7
GV-6	20.4	15.2	19.8		9.3
GV-7	19.8	20.2	19.8		19.8
GV-8	19.7	19.7	19.8		19.8
GV-9	12.6	20.2	19.8		19.8
GV-10	20.4	20.1	9.6		19.8
GV-11	19.7	20.2	19.6		19.6
GV-12	20.3	15.3	19.6		19.6
GP-1			0.9	0.1	0.2
GP-2				0	1.1
GP-3			1.9	0	1.7
GP-4				14.5	12.9
GP-5	installed fall 2004				11.9
GP-6	installed fall 2004				11.1
GP-7	installed fall 2004				5
GP-8	installed fall 2004				6.2
GP-10	installed fall 2004				10.7
GP-11	installed fall 2004				18.1
GP-12	installed fall 2004				13.9
Background	~20.4	~20.3	~19.6	NR	19.8

Notes: Measurements taken using a Landtec GA-90 methane - O2-CO2 analyzer unless otherwise noted
NT = Not Tested
NR = Not Recorded
# Meter experiencing mechanical difficulties
GP = Gas probe outside of perimeter of waste
GV = Gas vent inside waste boundaries
MW = monitoring well
Results for original vents #1 through #5 and all data prior to 1996 are found on historical data tables published prior to October 2004

Table 6: Landfill Gas Analytical Results
FF/NN Landfill, Ripon, WI

Sampling Point ID	Benzene	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoro methane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloro-1,1,2,2-tetrafluoroethane	Tetrachloroethene	Trichloroethene	Vinyl Chloride
GP-1	0.0312		0.208		2.98							
GP-2	0.0611	0.0581	0.0706	0.073	0.35		0.34	0.023		0.0231	0.0728	0.41
GP-3	0.102		0.689		0.91	0.11	6.66	0.229	0.131		0.205	25.4
LC-1			0.0091		0.07				0.0095			

Values in ppmv (parts per million by volume)
Sample date: September 29, 2004
Analyzed using EPA Method TO-14A

CHARTS

Chart 1. Chlorinated Compounds, P-102

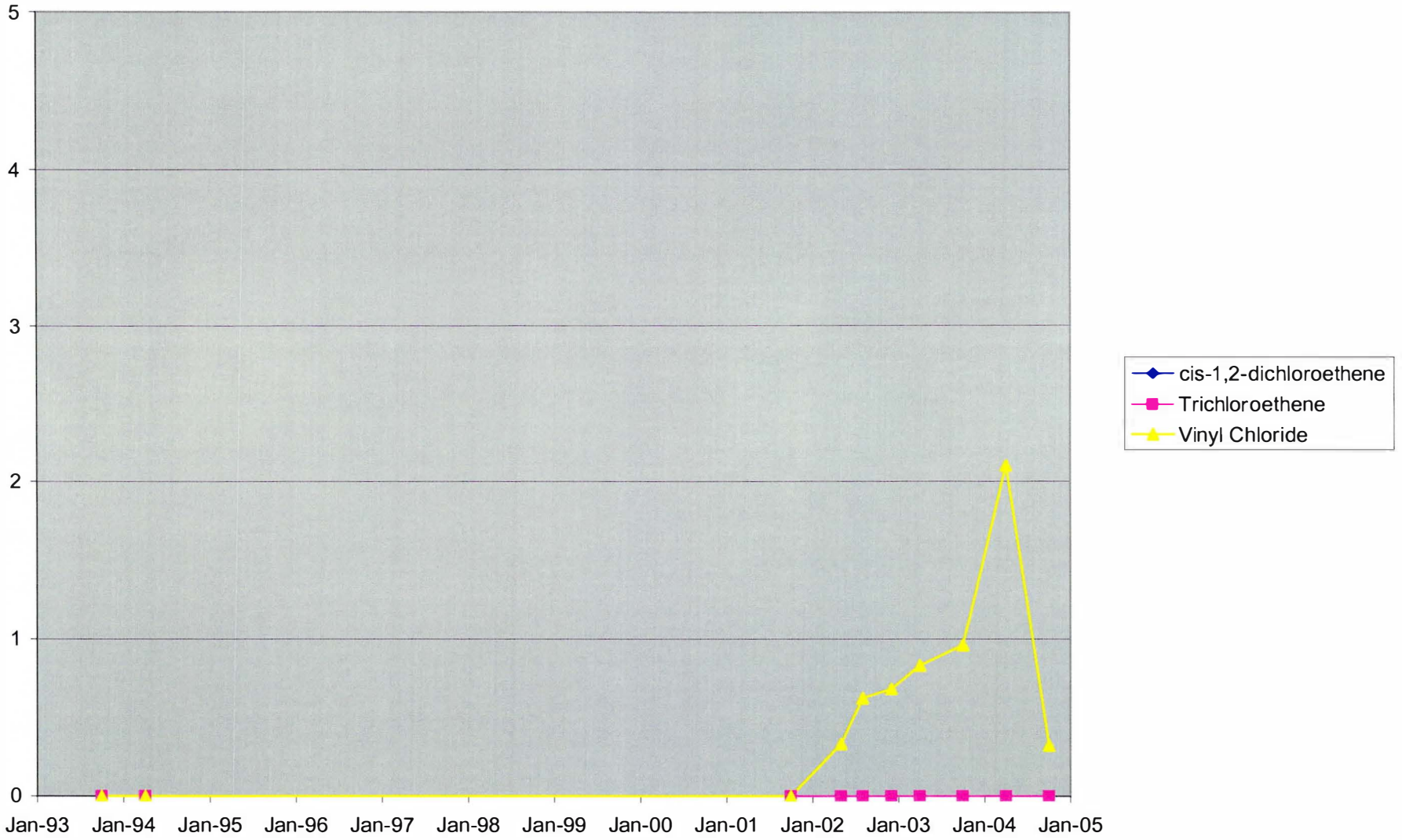

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Chart 2. Chlorinated Compounds, MW-103

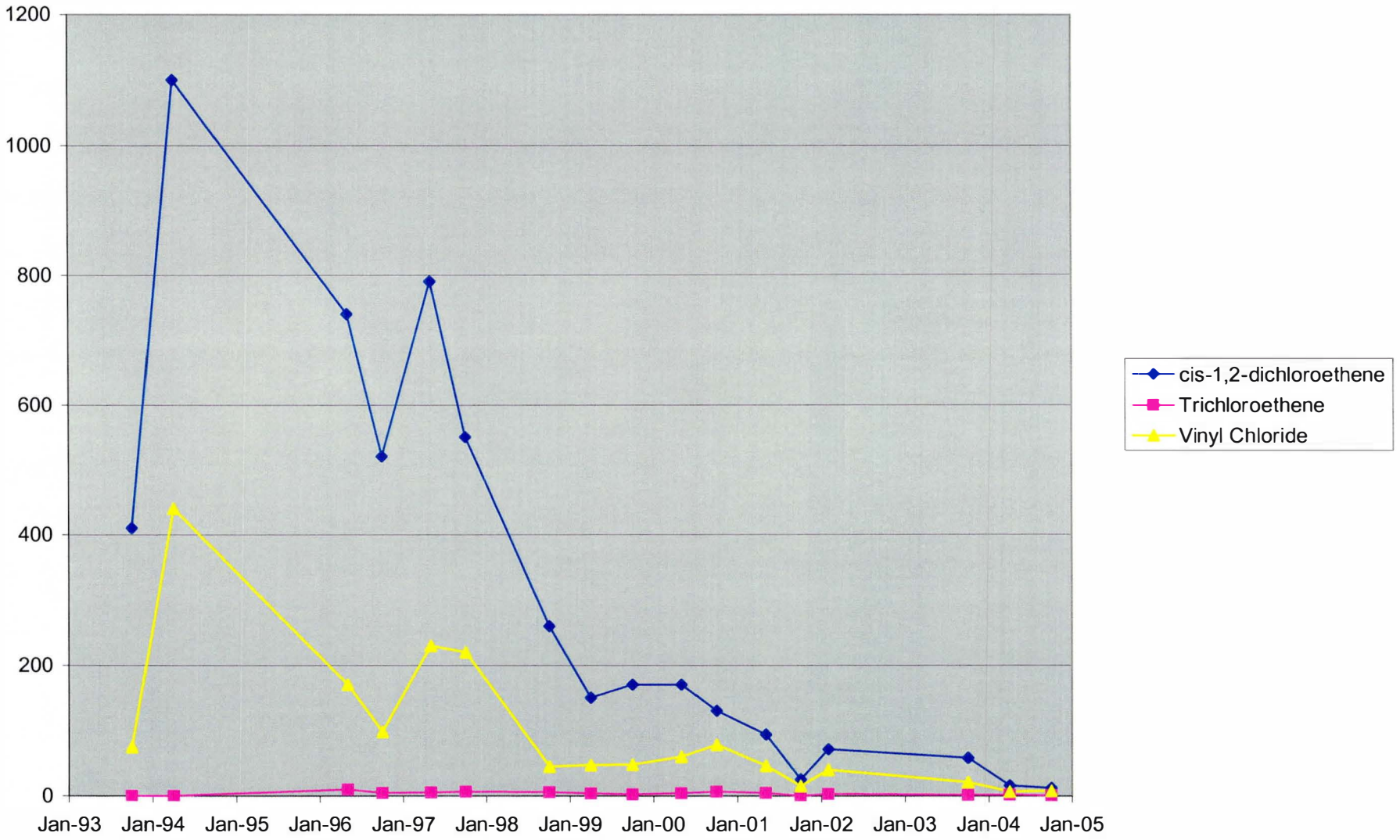

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Chart 3. Chlorinated Compounds, P-103D

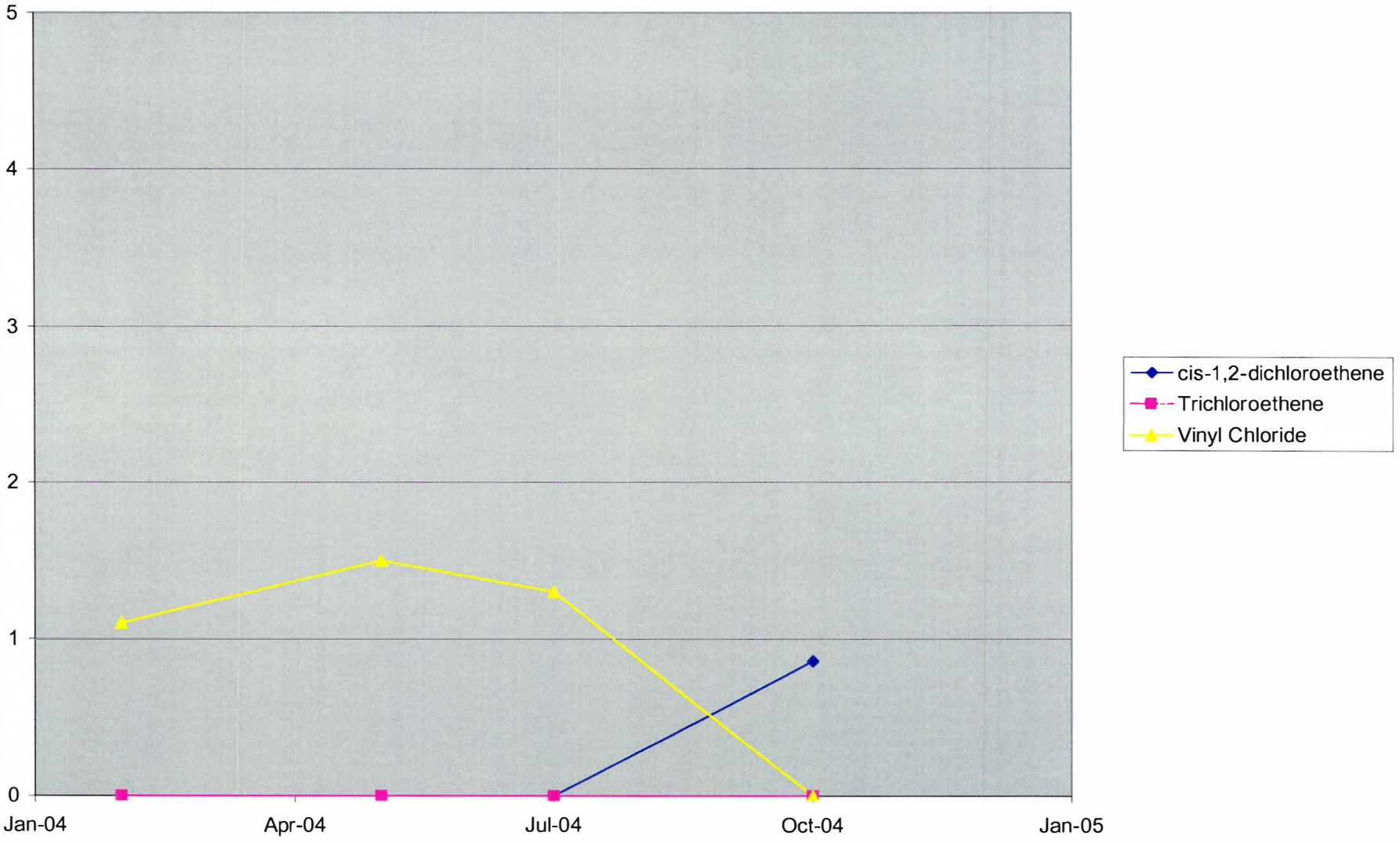

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Chart 4. Chlorinated Compounds, MW-104

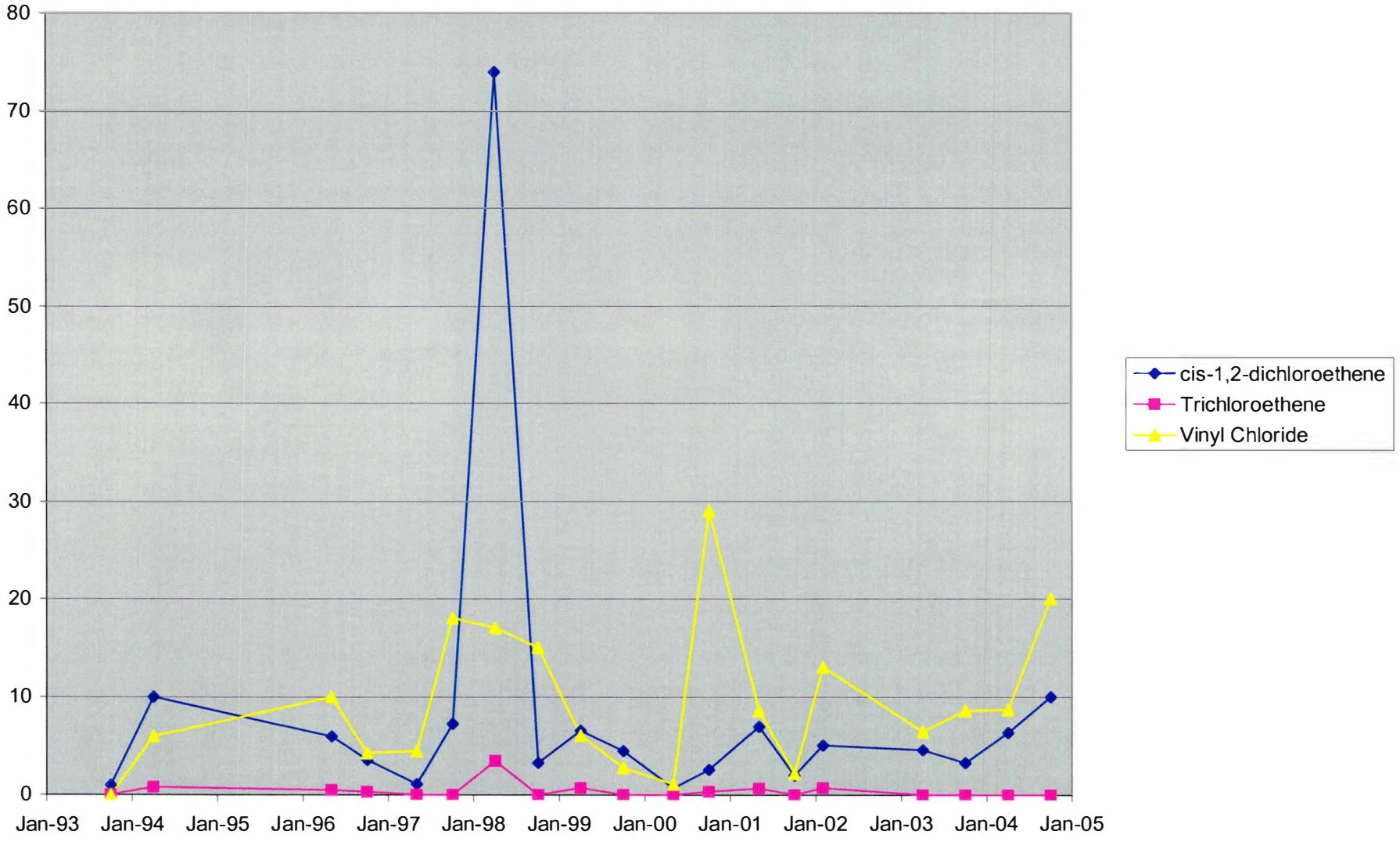

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Chart 5. Chlorianted Compounds, P-106

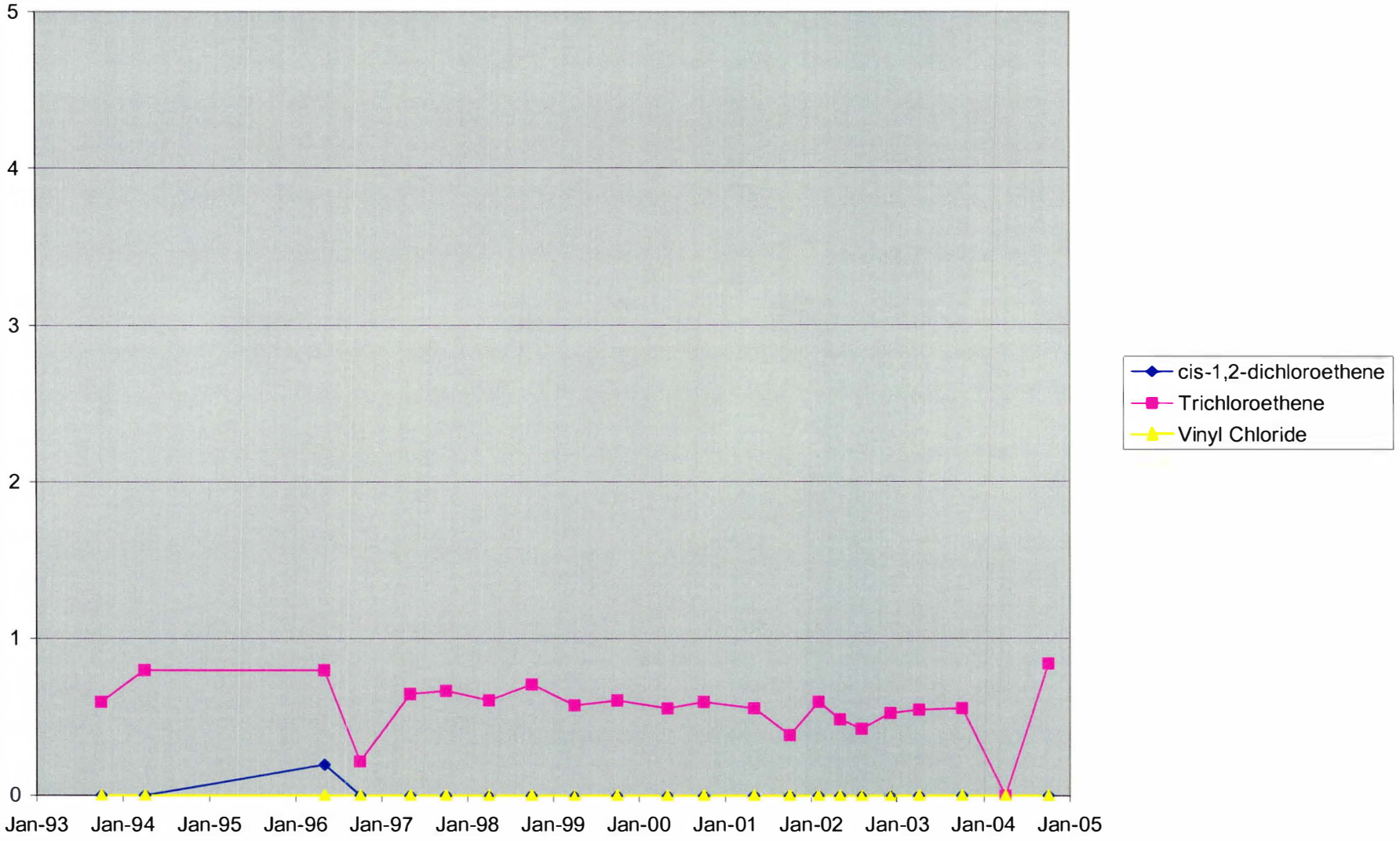

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Chart 6. Chlorianted Compounds, MW-107

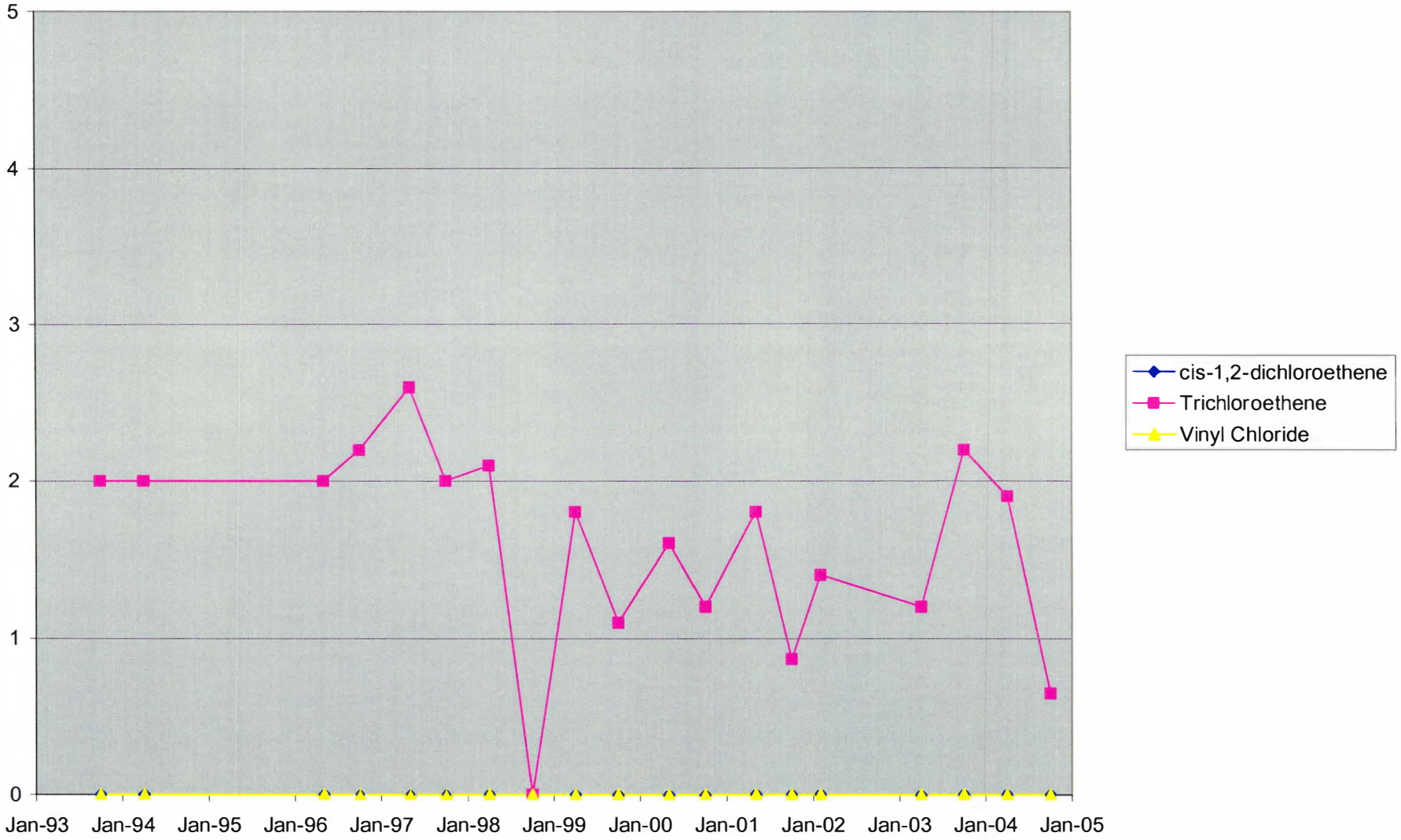

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Chart 7. Chlorianted Compounds, P-107

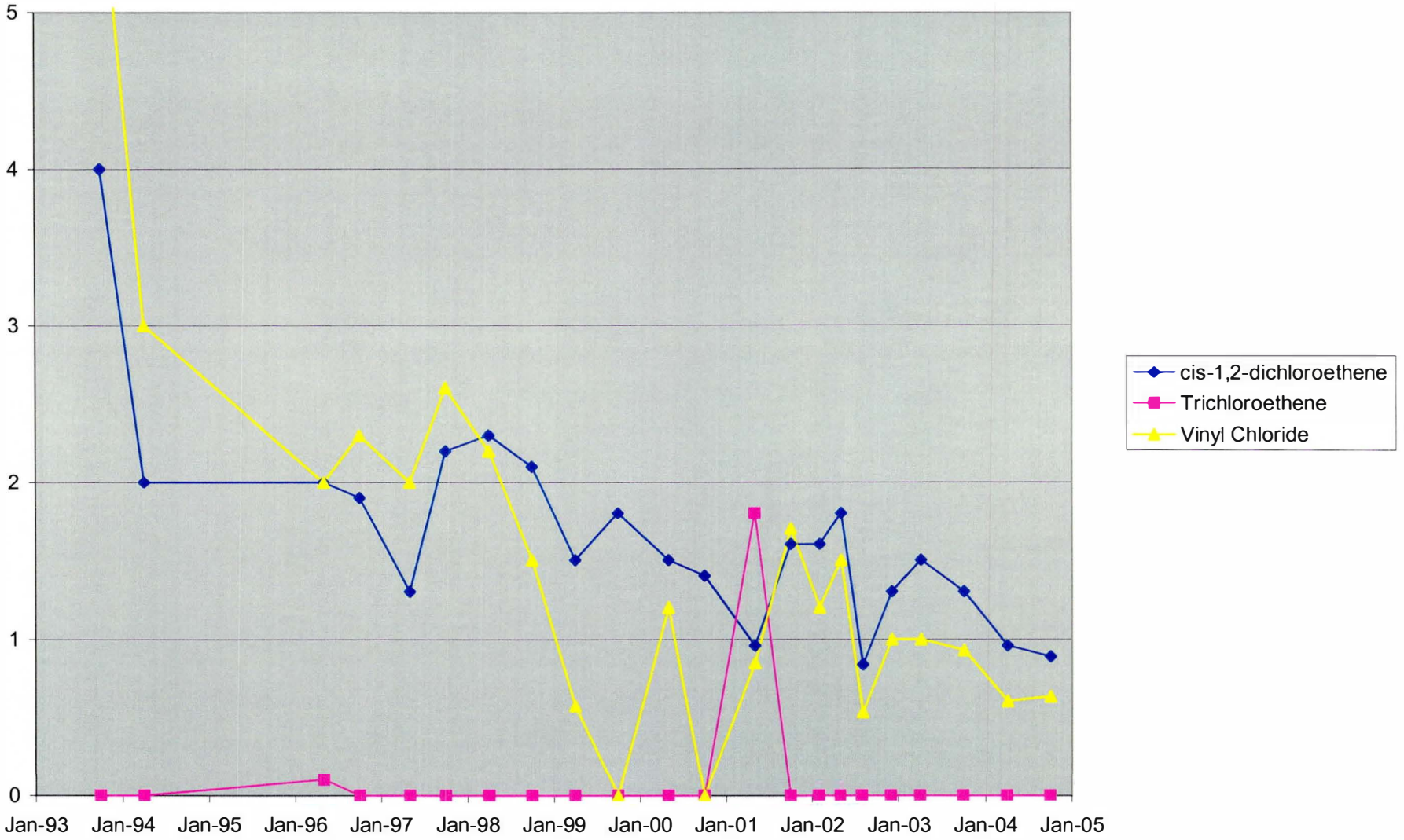

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Chart 8. Chlorinated Compounds, P-107D

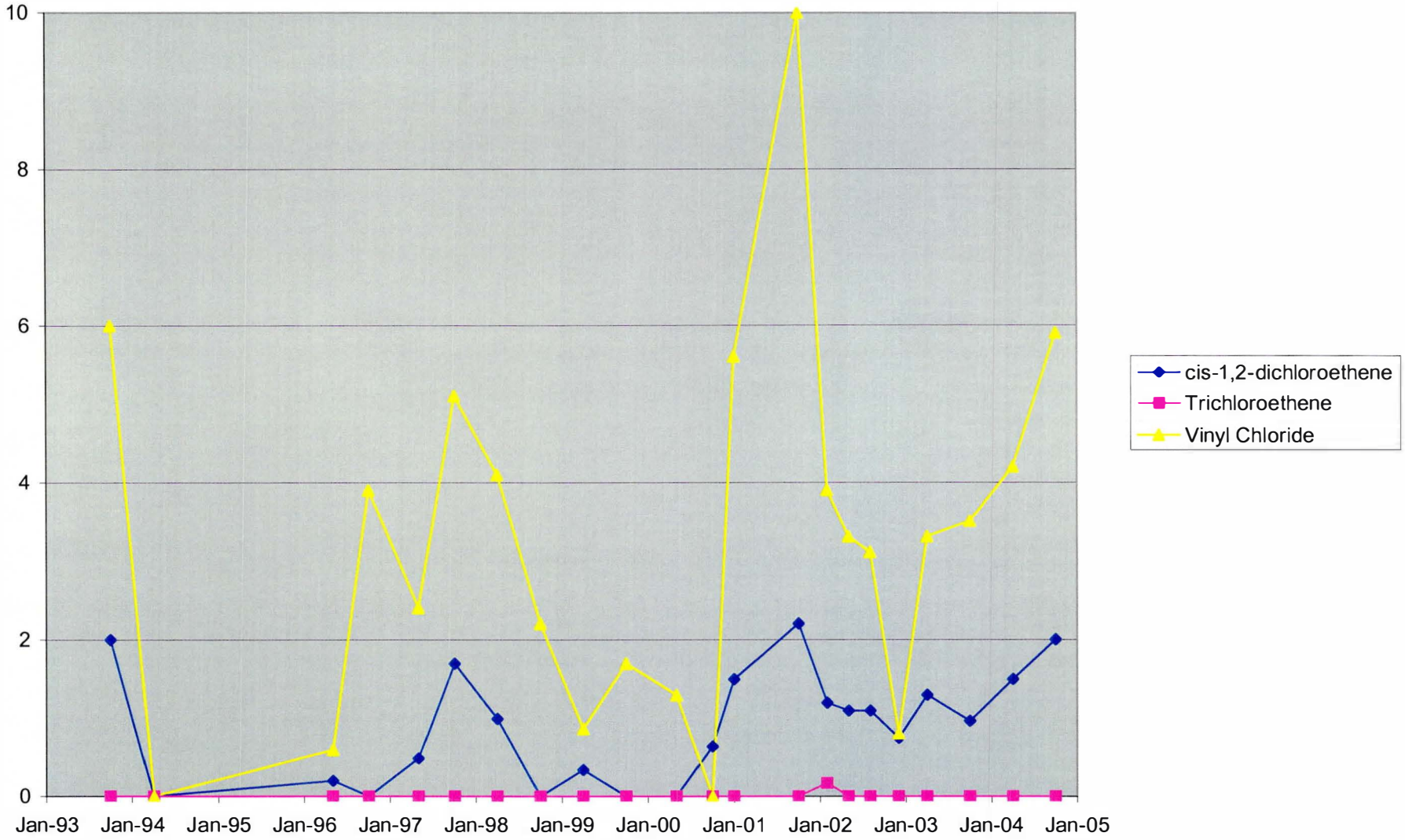

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Chart 9. Chlorinated Compounds, P-111D

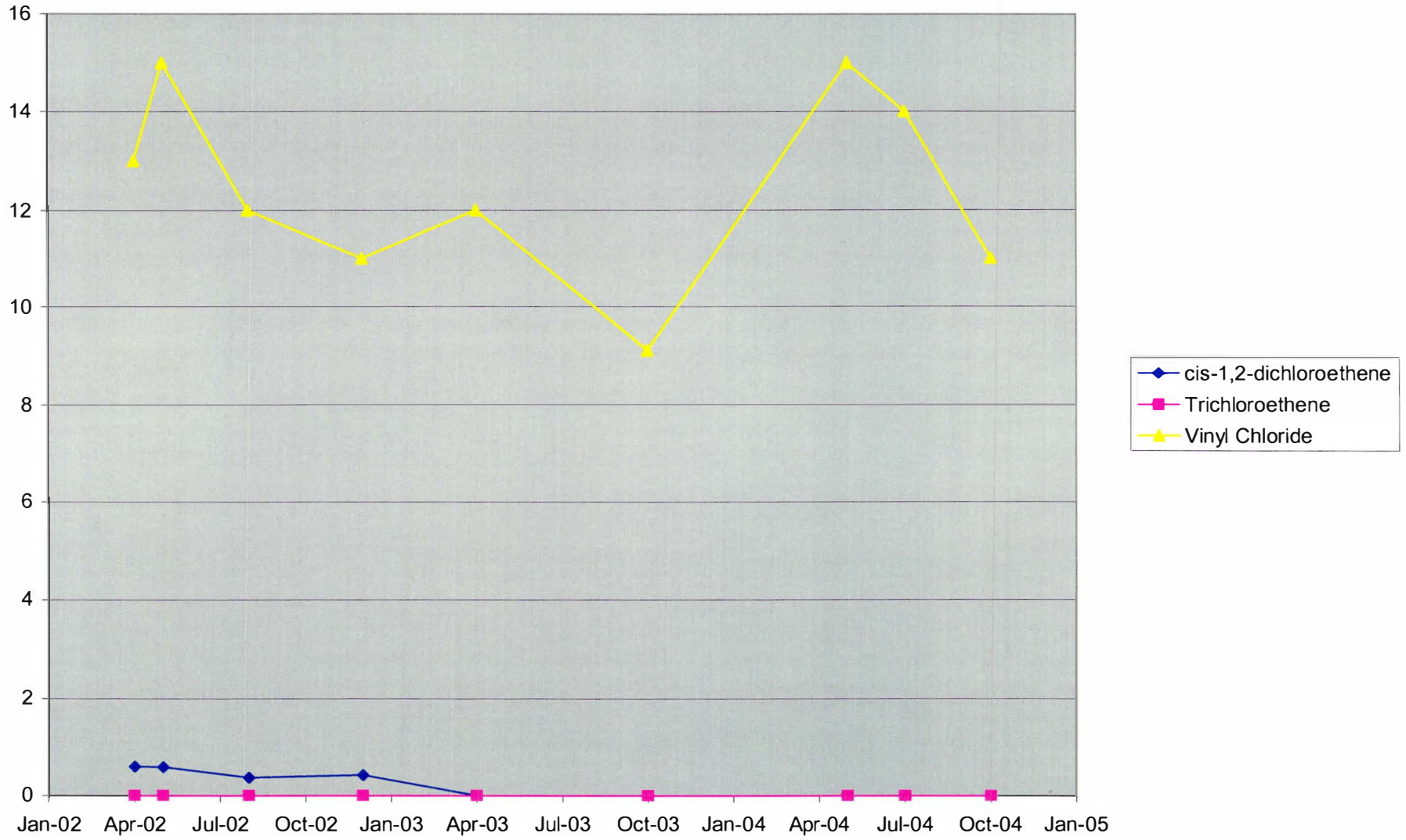

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Chart 10. Chlorinated Compounds, MW-112

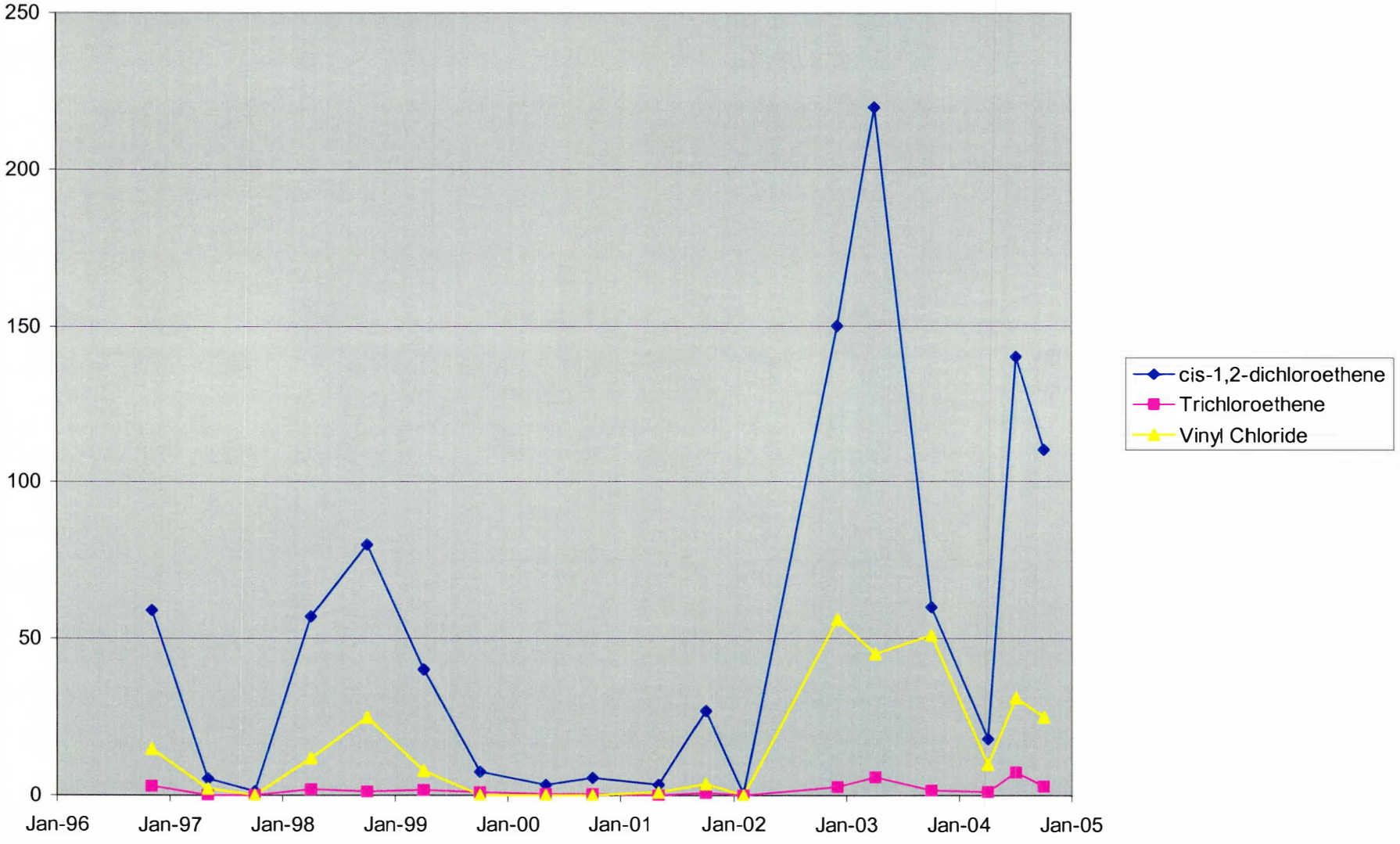

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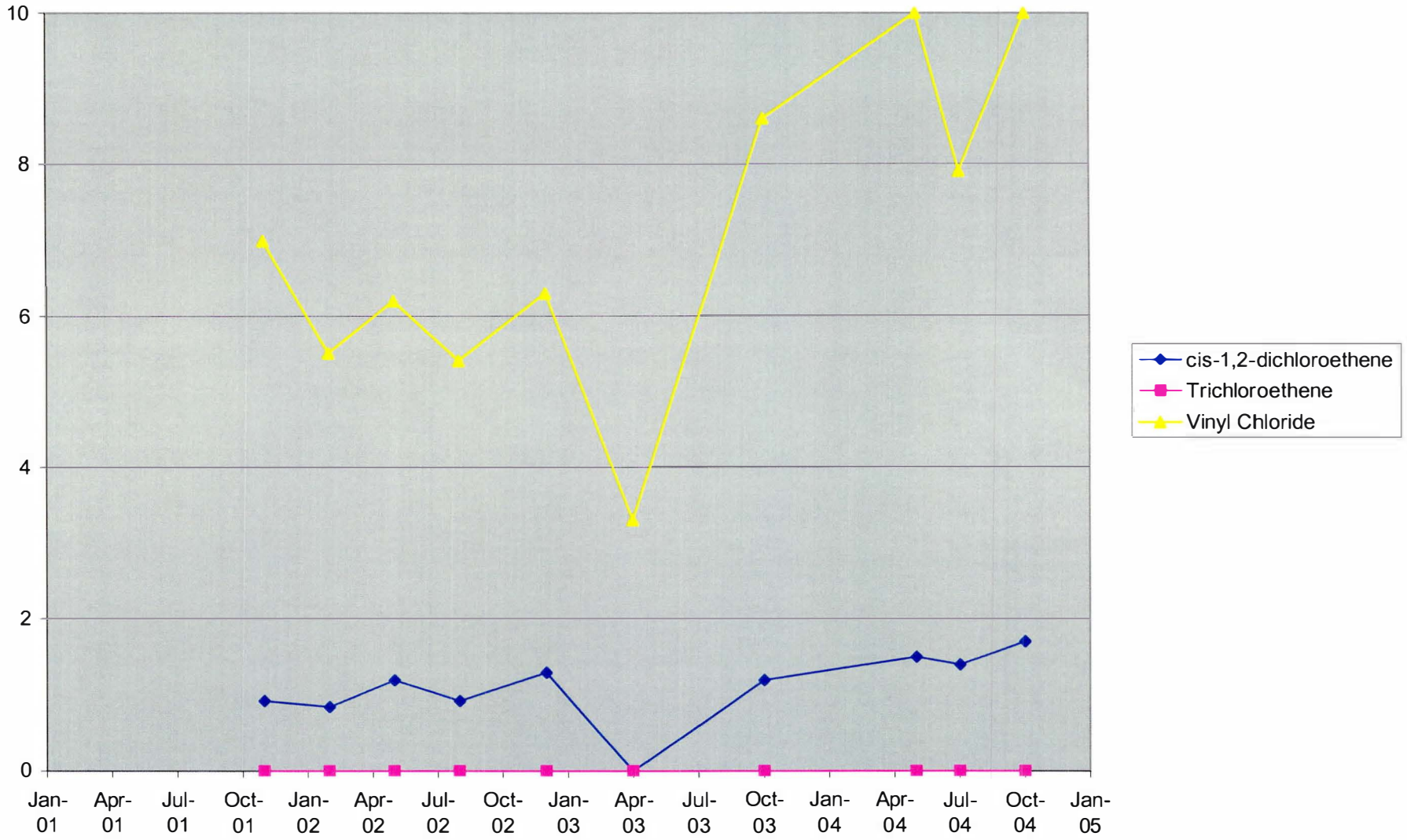
Chart 11. Chlorinated Compounds, P-114



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ATTACHMENT A

STRATIGRAPHIC LAYERS OF WELLS

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

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

ATTACHMENT B

GROUNDWATER MONITORING SCHEDULE (THROUGH 2005)

Groundwater Monitoring Schedule
FF/NN Landfill, Ripon, WI

		Already done		This event	Future sampling			
Sampling Point:	**Monitoring Schedule**	**Apr-04**	**Jul-04**	**Oct-04**	**Jan-05**	**Apr-05**	**Jul-05**	**Oct-05**
MW-3A	Q	✓		✓	✓	✓	✓	✓
MW-3B	Q	✓	✓	✓	✓	✓	✓	✓
MW-101	SA	✓		✓		✓		✓
P-101	SA			✓		✓		✓
MW-102	SA		✓	✓		✓		✓
P-102	Q	✓		✓	✓	✓	✓	✓
MW-103	SA	✓		✓		✓		✓
P-103	A			✓				✓
P-103D	Q for 1 year, then SA	✓	✓	✓		✓		✓
MW-104	SA	✓		✓		✓		✓
P-104	A			✓				✓
MW-106	SA for 1 year, then biennial		✓		✓			
P-106	SA	✓		✓		✓		✓
MW-107	SA	✓		✓		✓		✓
P-107	SA	✓		✓		✓		✓
P-107D	SA	✓		✓		✓		✓
MW-108	Sample in Oct 2004 then biennial			✓				
P-108	Sample in Oct 2004 then biennial			✓				
MW-111	Sample in Oct 2004 then biennial			✓				
P-111	A	✓				✓		

Groundwater Monitoring Schedule
FF/NN Landfill, Ripon, WI

		Already done		This event	Future sampling			
Sampling Point:	Monitoring Schedule	Apr-04	Jul-04	Oct-04	Jan-05	Apr-05	Jul-05	Oct-05
P-111D	Q	✓	✓	✓	✓	✓	✓	✓
MW-112	Q	✓	✓	✓	✓	✓	✓	✓
P-113A	A	✓				✓		
P-113B	Q	✓		✓	✓	✓	✓	✓
P-114 (former Ehster well)	Q	✓	✓	✓	✓	✓	✓	✓
P-115 (former Wiese well)	Q	✓		✓	✓	✓	✓	✓
P-116 (former Hadel well)	Q	✓	✓	✓	✓	✓	✓	✓
Baneck	Q		✓	✓	✓	✓	✓	✓
Gaastra	Q		✓	✓	✓	✓	✓	✓
Rohde	Q		✓	✓	✓	✓	✓	✓

ATTACHMENT C

LABORATORY ANALYTICAL RESULTS

EN CHEM
A Division of Pace Analytical Services, Inc.

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 852360

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Lab Contact: Tom Trainor

Lab Sample Number	Field ID	Matrix	Collection Date
852360-001	BANECK	DW	10/12/04
852360-002	GAASTRA	DW	10/12/04
852360-003	ROHDE	DW	10/12/04
852360-004	WETLAND	GW	10/12/04
852360-005	MW-101	GW	10/13/04
852360-006	P-101	GW	10/13/04
852360-007	MW-102	GW	10/14/04
852360-008	P-102	GW	10/14/04
852360-009	MW-103	GW	10/13/04
852360-010	P-103	GW	10/13/04
852360-011	P-103D	GW	10/13/04
852360-012	MW-104	GW	10/13/04
852360-013	P-104	GW	10/13/04
852360-014	P-106	GW	10/13/04
852360-015	MW-107	GW	10/13/04
852360-016	P-107	GW	10/13/04
852360-017	P-107D	GW	10/13/04
852360-018	MW-108	GW	10/14/04
852360-019	P-108	GW	10/14/04
852360-020	MW-111	GW	10/13/04
852360-021	P-111D	GW	10/13/04
852360-022	MW-112	GW	10/13/04
852360-023	P-113B	GW	10/14/04
852360-024	P-114	GW	10/13/04
852360-025	P-115	GW	10/14/04
852360-026	P-116	GW	10/14/04
852360-027	MW-3A	GW	10/14/04
852360-028	MW-3B	GW	10/14/04
852360-029	P-107DUP	GW	10/13/04
852360-030	P-104DUP	GW	10/13/04
852360-031	MW-112DUP	GW	10/13/04
852360-032	TRIP BLANK	WATER	10/12/04

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Tom Trainor
Approval Signature

10/26/04
Date

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: BANECK

Matrix Type: DRINKING WATER
Collection Date: 10/12/04
Report Date: 10/26/04
Lab Sample Number: 852360-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.81				1	su		10/12/04		FIELD NOTES
Specific Conductance - Field	562				1	UMHO/CM		10/12/04		FIELD NOTES
Well Temperature, Degrees Cen	10.5				1	deg C		10/12/04		FIELD NOTES

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.12	0.12	0.41		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,1-Trichloroethane	< 0.16	0.16	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2,2-Tetrachloroethane	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2-Trichloroethane	< 0.37	0.37	1.2		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethane	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethene	< 0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloropropene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichlorobenzene	< 0.32	0.32	1.1		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trichlorobenzene	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trimethylbenzene	< 0.14	0.14	0.47		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromo-3-chloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromoethane	< 0.29	0.29	0.98		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene	< 0.24	0.24	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloroethane	< 0.18	0.18	0.60		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloropropane	< 0.12	0.12	0.42		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3,5-Trimethylbenzene	< 0.13	0.13	0.43		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichlorobenzene	< 0.20	0.20	0.67		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichloropropane	< 0.23	0.23	0.76		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,4-Dichlorobenzene	< 0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2,2-Dichloropropane	< 0.21	0.21	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Butanone	< 1.6	1.6	5.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Chlorotoluene	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
4-Chlorotoluene	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Acetone	< 1.8	1.8	5.9		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Benzene	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromobenzene	< 0.22	0.22	0.73		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromochloromethane	< 0.25	0.25	0.83		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromodichloromethane	< 0.28	0.28	0.94		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromoform	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromomethane	< 0.40	0.40	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Disulfide	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Tetrachloride	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorobenzene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorodibromomethane	< 0.30	0.30	1.0		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroethane	< 0.26	0.26	0.86		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroform	< 0.15	0.15	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloromethane	< 0.27	0.27	0.90		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,2-Dichloroethene	< 0.15	0.15	0.51		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,3-Dichloropropene	< 0.24	0.24	0.80		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dibromomethane	< 0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dichlorodifluoromethane	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Ethylbenzene	< 0.30	0.30	0.99		1	ug/L		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : BANECK

Matrix Type : DRINKING WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-001

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Fluorotrichloromethane	<	0.23	0.23	0.77		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Hexachlorobutadiene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Isopropylbenzene	<	0.13	0.13	0.44		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methylene Chloride	<	0.17	0.17	0.55		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methyl-tert-butyl-ether	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Naphthalene	<	0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
N-Butylbenzene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
n-Propylbenzene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
p-Isopropyltoluene	<	0.25	0.25	0.85		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
sec-Butylbenzene	<	0.19	0.19	0.64		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Styrene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
tert-Butylbenzene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Tetrachloroethene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Toluene	<	0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,2-Dichloroethene	<	0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,3-Dichloropropene	<	0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Trichloroethene	<	0.23	0.23	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Vinyl Chloride	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Xylene, Total	<	1.0	1.0	3.4		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene-d4		98				1	%Recov		10/20/04	EPA 524.2	EPA 524.2
4-Bromofluorobenzene		96				1	%Recov		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : GAASTRA

Matrix Type : DRINKING WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.81				1	su		10/12/04		FIELD NOTES
Specific Conductance - Field	589				1	UMHO/CM		10/12/04		FIELD NOTES
Well Temperature, Degrees Cen	10.7				1	deg C		10/12/04		FIELD NOTES

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.12	0.12	0.41		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,1-Trichloroethane	< 0.16	0.16	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2,2-Tetrachloroethane	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2-Trichloroethane	< 0.37	0.37	1.2		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethane	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethene	< 0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloropropene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichlorobenzene	< 0.32	0.32	1.1		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trichlorobenzene	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trimethylbenzene	< 0.14	0.14	0.47		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromo-3-chloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromoethane	< 0.29	0.29	0.98		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene	< 0.24	0.24	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloroethane	< 0.18	0.18	0.60		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloropropane	< 0.12	0.12	0.42		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3,5-Trimethylbenzene	< 0.13	0.13	0.43		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichlorobenzene	< 0.20	0.20	0.67		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichloropropane	< 0.23	0.23	0.76		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,4-Dichlorobenzene	< 0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2,2-Dichloropropane	< 0.21	0.21	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Butanone	< 1.6	1.6	5.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Chlorotoluene	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
4-Chlorotoluene	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Acetone	< 1.8	1.8	5.9		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Benzene	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromobenzene	< 0.22	0.22	0.73		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromochloromethane	< 0.25	0.25	0.83		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromodichloromethane	< 0.28	0.28	0.94		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromoform	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromomethane	< 0.40	0.40	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Disulfide	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Tetrachloride	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorobenzene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorodibromomethane	< 0.30	0.30	1.0		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroethane	< 0.26	0.26	0.86		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroform	< 0.15	0.15	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloromethane	< 0.27	0.27	0.90		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,2-Dichloroethene	< 0.15	0.15	0.51		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,3-Dichloropropene	< 0.24	0.24	0.80		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dibromomethane	< 0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dichlorodifluoromethane	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Ethylbenzene	< 0.30	0.30	0.99		1	ug/L		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : GAASTRA

Matrix Type : DRINKING WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-002

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Fluorotrichloromethane	<	0.23	0.23	0.77		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Hexachlorobutadiene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Isopropylbenzene	<	0.13	0.13	0.44		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methylene Chloride	<	0.17	0.17	0.55		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methyl-tert-butyl-ether	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Naphthalene	<	0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
N-Butylbenzene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
n-Propylbenzene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
p-Isopropyltoluene	<	0.25	0.25	0.85		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
sec-Butylbenzene	<	0.19	0.19	0.64		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Styrene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
tert-Butylbenzene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Tetrachloroethene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Toluene	<	0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,2-Dichloroethene	<	0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,3-Dichloropropene	<	0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Trichloroethene	<	0.23	0.23	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Vinyl Chloride	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Xylene, Total	<	1.0	1.0	3.4		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene-d4		102				1	%Recov		10/20/04	EPA 524.2	EPA 524.2
4-Bromofluorobenzene		99				1	%Recov		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : ROHDE

Matrix Type : DRINKING WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.5				1	su		10/12/04		FIELD NOTES
Specific Conductance - Field	567				1	UMHO/CM		10/12/04		FIELD NOTES
Well Temperature, Degrees Cen	10.7				1	deg C		10/12/04		FIELD NOTES

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.12	0.12	0.41		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,1-Trichloroethane	< 0.16	0.16	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2,2-Tetrachloroethane	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2-Trichloroethane	< 0.37	0.37	1.2		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethane	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethene	< 0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloropropene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichlorobenzene	< 0.32	0.32	1.1		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trichlorobenzene	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trimethylbenzene	< 0.14	0.14	0.47		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromo-3-chloropropane	< 0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromoethane	< 0.29	0.29	0.98		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene	< 0.24	0.24	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloroethane	< 0.18	0.18	0.60		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloropropane	< 0.12	0.12	0.42		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3,5-Trimethylbenzene	< 0.13	0.13	0.43		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichlorobenzene	< 0.20	0.20	0.67		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichloropropane	< 0.23	0.23	0.76		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,4-Dichlorobenzene	< 0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2,2-Dichloropropane	< 0.21	0.21	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Butanone	< 1.6	1.6	5.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Chlorotoluene	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
4-Chlorotoluene	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Acetone	< 1.8	1.8	5.9		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Benzene	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromobenzene	< 0.22	0.22	0.73		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromochloromethane	< 0.25	0.25	0.83		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromodichloromethane	< 0.28	0.28	0.94		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromoform	< 0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromomethane	< 0.40	0.40	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Disulfide	< 0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Tetrachloride	< 0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorobenzene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorodibromomethane	< 0.30	0.30	1.0		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroethane	< 0.26	0.26	0.86		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroform	< 0.15	0.15	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloromethane	< 0.27	0.27	0.90		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,2-Dichloroethene	< 0.15	0.15	0.51		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,3-Dichloropropene	< 0.24	0.24	0.80		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dibromomethane	< 0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dichlorodifluoromethane	< 0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Ethylbenzene	< 0.30	0.30	0.99		1	ug/L		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

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Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : ROHDE

Matrix Type : DRINKING WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-003

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Fluorotrichloromethane	<	0.23	0.23	0.77		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Hexachlorobutadiene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Isopropylbenzene	<	0.13	0.13	0.44		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methylene Chloride	<	0.17	0.17	0.55		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methyl-tert-butyl-ether	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Naphthalene	<	0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
N-Butylbenzene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
n-Propylbenzene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
p-Isopropyltoluene	<	0.25	0.25	0.85		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
sec-Butylbenzene	<	0.19	0.19	0.64		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Styrene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
tert-Butylbenzene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Tetrachloroethene	<	0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Toluene	<	0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,2-Dichloroethene	<	0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,3-Dichloropropene	<	0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Trichloroethene	<	0.23	0.23	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Vinyl Chloride	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Xylene, Total	<	1.0	1.0	3.4		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene-d4		105				1	%Recov		10/20/04	EPA 524.2	EPA 524.2
4-Bromofluorobenzene		102				1	%Recov		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : WETLAND

Matrix Type : GROUNDWATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-004

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	<	0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	<	0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	<	0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	<	4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	<	2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	<	0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	<	0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	<	0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	<	0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	<	0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	<	0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	<	0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	<	0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	<	0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	<	0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	<	1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	<	0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	<	2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		102				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8		112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-101

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	6.71				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	1055				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.36				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	13.6				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	11	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-101

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-005

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	84				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	108				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	100				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-101

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	732				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.35				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	12.4				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-101

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-006

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	104				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	99				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-102

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	776				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	823.71				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	11.2				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: MW-102

Matrix Type: GROUNDWATER
Collection Date: 10/14/04
Report Date: 10/26/04
Lab Sample Number: 852360-007

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	90				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	104				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	94				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-102

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	861				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	823.79				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	10.7				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.50	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	0.32	0.18	0.60		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-102

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-008

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	92				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	109				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	100				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: MW-103

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	1201				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	822.24				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	13.2				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	56	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	1.4	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	1.7	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.52	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	12	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	0.89	0.67	2.2		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	2.5	0.89	3.0		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	0.78	0.48	1.6		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	7.9	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-103

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-009

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	109				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	98				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-103

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.01				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	885				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.23				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.4				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.52	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	1.7	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-103

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-010

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	86				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	102				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	97				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-103D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.46				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	728				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	822.21				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.9				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.43	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	0.86	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-103D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-011

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	86				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	106				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	97				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-104

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-012

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	1289				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.27				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	13.3				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	2.2	0.95	3.2		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	2.5	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	6.5	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	10	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	20	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-104

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-012

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	87				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	105				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	100				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-104

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	711				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.36				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.9				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.45	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-104

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-013

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	110				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	98				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-106

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-014

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	920				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.50				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	10.5				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	<	0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	<	0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	<	0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	<	4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	<	2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	<	0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	<	0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	<	0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	<	0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	<	0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	<	0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	<	0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane		0.90	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	<	0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	<	0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	<	1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene		0.84	0.48	1.6		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	<	2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field.ID : P-106

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-014

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	89				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	107				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	100				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-107

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	6.99				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	1097				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	821.20				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	10.5				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.63	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	0.65	0.48	1.6		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-107

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-015

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	92				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	98				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-107

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-016

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.26				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	718				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	821.20				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.8				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	0.89	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	0.64	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-107

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-016

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	85				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	105				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	99				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-107D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-017

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.32				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	586				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	817.72				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	9.6				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	1.2	0.97	3.2		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.93	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	2.0	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	5.9	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-107D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-017

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	87				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	106				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	99				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-108

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-018

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	910				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	819.00				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	11.3				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	1.2	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	1.3	0.48	1.6		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	0.67	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-108

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-018

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	87				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	106				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	96				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-108

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-019

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	710				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	821.94				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	10.1				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.45	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-108

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-019

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Ani Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	109				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	99				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: MW-111

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-020

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	762				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	819.60				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	13.7				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-111

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-020

VOLATILES - WI NR507 APP III LIST **Prep Date:** 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	106				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	102				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-111D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-021

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	697				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	819.77				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	19.6				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	1.9	0.97	3.2		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	1.6	0.67	2.2		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	11	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-111D

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-021

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Ani Method
4-Bromofluorobenzene	90				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	106				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	104				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-112

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-022

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	6.91				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	935				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	821.14				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	12.2				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	1.0	0.41	1.4		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	0.42	0.41	1.4		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	14	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	110	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	2.4	0.89	3.0		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	2.9	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	25	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-112

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-022

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	107				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	97				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-113B

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-023

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	545				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	818.25				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	9.5				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	<	0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	<	0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	<	0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	<	0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	<	4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	<	2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	<	0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	<	0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	<	0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	<	0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	<	0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	<	0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	<	0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	<	0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	<	0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane		0.49	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	<	0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	<	0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	<	0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	<	0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	<	0.43	0.43	1.4		1	ug/L	&	10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	<	0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	<	1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	<	0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	<	2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-113B

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-023

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	88				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	107				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	98				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-114

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-024

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	543				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	818.71				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	13.8				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.39	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	1.7	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	10	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-114

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-024

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	111				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	118				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-115

Matrix Type: GROUNDWATER
Collection Date: 10/14/04
Report Date: 10/26/04
Lab Sample Number: 852360-025

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	502				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	818.71				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	9.5				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	0.33	0.18	0.60		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-115

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-025

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	114				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	119				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	109				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-116

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-026

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	483				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	817.80				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	9.8				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-116

Matrix Type: GROUNDWATER
Collection Date: 10/14/04
Report Date: 10/26/04
Lab Sample Number: 852360-026

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	115				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	114				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-3A

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-027

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	504				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	817.00				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	10.8				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-3A

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-027

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	117				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	112				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Projec Number : 1011.002
Field ID : MW-3B

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-028

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/14/04		FIELD NOTES
Specific Conductance - Field	553				1	UMHO/CM		10/14/04		FIELD NOTES
Well Elevation (MSL)	819.66				1	ft, MSL		10/14/04		FIELD NOTES
Well Temperature, Degrees Cen	10.7				1	deg C		10/14/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-3B

Matrix Type : GROUNDWATER
Collection Date : 10/14/04
Report Date : 10/26/04
Lab Sample Number : 852360-028

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
4-Bromofluorobenzene	113				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	118				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	115				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-107DUP

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-029

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.26				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	718				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	821.20				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.8				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	1.1	0.83	2.8		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-107DUP

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-029

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	111				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	117				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	115				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 852360

Client: GEOTRANS
Project Name: FF/NN LANDFILL
Project Number: 1011.002
Field ID: P-104DUP

Matrix Type: GROUNDWATER
Collection Date: 10/13/04
Report Date: 10/26/04
Lab Sample Number: 852360-030

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	7.09				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	711				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	823.36				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	11.9				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : P-104DUP

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-030

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	111				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	117				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	108				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-112DUP

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-031

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
pH, Field	6.91				1	su		10/13/04		FIELD NOTES
Specific Conductance - Field	935				1	UMHO/CM		10/13/04		FIELD NOTES
Well Elevation (MSL)	821.14				1	ft, MSL		10/13/04		FIELD NOTES
Well Temperature, Degrees Cen	12.2				1	deg C		10/13/04		FIELD NOTES

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	0.87	0.41	1.4		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	15	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	0.56	0.24	0.80		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	94	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	0.60	0.45	1.5		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	< 1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	2.1	0.89	3.0		1	ug/L	Q	10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	2.9	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	29	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	< 2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : MW-112DUP

Matrix Type : GROUNDWATER
Collection Date : 10/13/04
Report Date : 10/26/04
Lab Sample Number : 852360-031

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	111				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8	116				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane	114				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : TRIP BLANK

Matrix Type : WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-032

VOLATILES - SPECIAL LIST — **Prep Date:** 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	<	0.12	0.12	0.41		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,1-Trichloroethane	<	0.16	0.16	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2,2-Tetrachloroethane	<	0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1,2-Trichloroethane	<	0.37	0.37	1.2		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethane	<	0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloroethene	<	0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,1-Dichloropropene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichlorobenzene	<	0.32	0.32	1.1		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,3-Trichloropropane	<	0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trichlorobenzene	<	0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2,4-Trimethylbenzene	<	0.14	0.14	0.47		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromo-3-chloropropane	<	0.45	0.45	1.5		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dibromoethane	<	0.29	0.29	0.98		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene	<	0.24	0.24	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloroethane	<	0.18	0.18	0.60		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichloropropane	<	0.12	0.12	0.42		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3,5-Trimethylbenzene	<	0.13	0.13	0.43		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichlorobenzene	<	0.20	0.20	0.67		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,3-Dichloropropane	<	0.23	0.23	0.76		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,4-Dichlorobenzene		0.43	0.20	0.66		1	ug/L	Q	10/20/04	EPA 524.2	EPA 524.2
2,2-Dichloropropane	<	0.21	0.21	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Butanone	<	1.6	1.6	5.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
2-Chlorotoluene	<	0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
4-Chlorotoluene	<	0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Acetone	<	1.8	1.8	5.9		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Benzene	<	0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromobenzene	<	0.22	0.22	0.73		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromochloromethane	<	0.25	0.25	0.83		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromodichloromethane	<	0.28	0.28	0.94		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromoform	<	0.19	0.19	0.65		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Bromomethane	<	0.40	0.40	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Disulfide	<	0.25	0.25	0.82		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Carbon Tetrachloride	<	0.29	0.29	0.96		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorobenzene	<	0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chlorodibromomethane	<	0.30	0.30	1.0		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroethane	<	0.26	0.26	0.86		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloroform	<	0.15	0.15	0.52		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Chloromethane	<	0.27	0.27	0.90		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,2-Dichloroethene	<	0.15	0.15	0.51		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
cis-1,3-Dichloropropene	<	0.24	0.24	0.80		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dibromomethane	<	0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Dichlorodifluoromethane	<	0.21	0.21	0.70		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Ethylbenzene	<	0.30	0.30	0.99		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Fluorotrichloromethane	<	0.23	0.23	0.77		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Hexachlorobutadiene	<	0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Isopropylbenzene	<	0.13	0.13	0.44		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methylene Chloride	<	0.17	0.17	0.55		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Methyl-tert-butyl-ether	<	0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Naphthalene	<	0.20	0.20	0.66		1	ug/L		10/20/04	EPA 524.2	EPA 524.2

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : TRIP BLANK

Matrix Type : WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-032

VOLATILES - SPECIAL LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
N-Butylbenzene	< 0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
n-Propylbenzene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
p-Isopropyltoluene	< 0.25	0.25	0.85		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
sec-Butylbenzene	< 0.19	0.19	0.64		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Styrene	< 0.26	0.26	0.87		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
tert-Butylbenzene	< 0.39	0.39	1.3		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Tetrachloroethene	< 0.21	0.21	0.71		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Toluene	< 0.22	0.22	0.72		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,2-Dichloroethene	< 0.27	0.27	0.88		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
trans-1,3-Dichloropropene	< 0.24	0.24	0.79		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Trichloroethene	< 0.23	0.23	0.78		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Vinyl Chloride	< 0.18	0.18	0.59		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
Xylene, Total	< 1.0	1.0	3.4		1	ug/L		10/20/04	EPA 524.2	EPA 524.2
1,2-Dichlorobenzene-d4	98				1	%Recov		10/20/04	EPA 524.2	EPA 524.2
4-Bromofluorobenzene	98				1	%Recov		10/20/04	EPA 524.2	EPA 524.2

VOLATILES - WI NR507 APP III LIST

Prep Date: 10/20/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
2-Butanone	< 4.3	4.3	14		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Acetone	< 2.3	2.3	7.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Disulfide	< 0.66	0.66	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		10/20/04	SW846 5030B	SW846 8260B

En Chem, Inc.
A Division of Pace Analytical Services, Inc.

Analytical Report Number: 852360

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : GEOTRANS
Project Name : FF/NN LANDFILL
Project Number : 1011.002
Field ID : TRIP BLANK

Matrix Type : WATER
Collection Date : 10/12/04
Report Date : 10/26/04
Lab Sample Number : 852360-032

VOLATILES - WI NR507 APP III LIST — **Prep Date:** 10/20/04

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Methyl-tert-butyl-ether	<	0.61	0.61	2.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Naphthalene	<	0.74	0.74	2.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrachloroethene	<	0.45	0.45	1.5		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Tetrahydrofuran	<	1.7	1.7	5.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Trichloroethene	<	0.48	0.48	1.6		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
Xylene, Total	<	2.6	2.6	8.7		1	ug/L		10/20/04	SW846 5030B	SW846 8260B
4-Bromofluorobenzene		110				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Toluene-d8		118				1	%Recov		10/20/04	SW846 5030B	SW846 8260B
Dibromofluoromethane		114				1	%Recov		10/20/04	SW846 5030B	SW846 8260B

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
J	Organic	Concentration detected is greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

En Chem, Inc.

A Division of Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

1090 Kennedy Avenue
Kimberly, WI 54136

Test Group Name	852360-001	852360-002	852360-003	852360-004	852360-005	852360-006	852360-007	852360-008	852360-009	852360-010	852360-011	852360-012	852360-013	852360-014	852360-015	852360-016	852360-017	852360-018	852360-019	852360-020	852360-021	852360-022	852360-023	852360-024	852360-025	852360-026
FIELD NOTES																										
VOLATILES - SPECIAL LIST	K	K	K																							
VOLATILES - WI NR507 APP III LIST				G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

Test Group Name	852360-027	852360-028	852360-029	852360-030	852360-031	852360-032
FIELD NOTES						
VOLATILES - SPECIAL LIST						K
VOLATILES - WI NR507 APP III LIST	G	G	G	G	G	G

Wisconsin Certification	
G = En Chem Green Bay	405132750 / DATCP: 105 000444
K = En Chem Kimberly	445134030
S = En Chem Superior	Not Applicable
C = Subcontracted Analysis	

En Chem, Inc. Cooler Receipt Log

Batch No. 852360

Project Name or ID 1011.002 No. of Coolers: 1 Temps: ROI

A. Receipt Phase: Date cooler was opened: 10-19-04 **By:** 60

1: Were samples received on ice? (Must be ≤6 C)	(YES)	NO[2]	NA
2: Was there a Temperature Blank?	YES	(NO)	
3: Were custody seals present and intact on cooler? (Record on COC)	YES	(NO)	
4: Are COC documents present?	(YES)	NO[2]	
5: Does this Project require quick turn around analysis?	YES	(NO)	
6: Is there any sub-work?	YES	(NO)	
7: Are there any short hold time tests?	YES	(NO)	
8: Are any samples nearing expiration of hold-time? (Within 2 days)	YES[1]	(NO)	Contacted by/Who
9: Do any samples need to be Filtered or Preserved in the lab?	YES[1]	(NO)	Contacted by/Who

B. Check-in Phase: Date samples were Checked-in: 10-19-04 **By:** 60

1: Were all sample containers listed on the COC received and intact?	(YES)	NO[2]	NA
2: Sign the COC as received by En Chem. Completed	(YES)	NO	
3: Do sample labels match the COC?	(YES)	NO[2]	
4: Completed pH check on preserved samples.. *(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)*	YES	NO	(NA)
5: Do samples have correct chemical preservation? *(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)*	YES	NO[2]	(NA)
6: Are dissolved parameters field filtered?	YES	NO[2]	(NA)
7: Are sample volumes adequate for tests requested?	(YES)	NO[2]	
8: Are VOC samples free of bubbles >6mm	(YES)	NO[2]	NA
9: Enter samples into logbook. Completed	(YES)	NO	
10: Place laboratory sample number on all containers and COC. Completed	(YES)	NO	
11: Complete Laboratory Tracking Sheet (LTS). Completed	YES	NO	(NA)
12: Start Nonconformance form.	YES	NO	(NA)
13: Initiate Subcontracting procedure. Completed	YES	NO	(NA)
14: Check laboratory sample number on all containers and COC.	(YES)	NO	NA

Short Hold-time tests:

24 Hours or less	48 Hours	7 days	Footnotes
Coliform	BOD	Ash	1 Notify proper lab group Immediately.
Corrosivity = pH	Color	Aqueous Extractable Organics- ALL	2 Complete nonconformance memo.
Dissolved Oxygen	Nitrite or Nitrate	Flashpoint	
Hexavalent Chromium	Ortho Phosphorus	Free Liquids	
HPC	Surfactants	Sulfide	
Ferrous Iron	Turbidity	TDS	
Eh	En Core Preservation	TSS	
Odor	Power stop preservation	Total Solids	
Residual Chlorine		TVS	
Sulfite		TVSS	
		Unpreserved VOC's	

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date DT 10/22/04

p:/everyone/forms/samplereceiving/crl.doc

Field Parameter Information
FF/NN Landfill, Ripon, WI
WDNR License #00467

WS# 618600
NN

Sampling event: October 2004

852360

	Well ID	DNR ID	GW Elevation (ft MSL)	Temperature (C)	Conductivity (uS)	pH	
5	MW-101	110	823.36	13.6	1055	6.71	
6	P-101	131	823.35	12.4	732	7.09	
7	MW-102	111	823.71	11.2	776	7.09	
8	P-102	123	823.79	10.7	861	7.09	
9	MW-103	112	822.24	13.2	1201	7.09	
10	P-103	114	823.23	11.4	885	7.01	
11	P-103D	141	822.21	11.9	728	7.46	
12	MW-104	113	823.27	13.3	1289	7.09	
13	P-104	115	823.36	11.9	711	7.09	
14	P-106	116	823.50	10.5	920	7.09	same for dup
15	MW-107	117	821.20	10.5	1097	6.99	
16	P-107	118	821.20	11.8	718	7.26	same for dup
17	P-107D	119	817.72	9.6	586	7.32	
18	MW-108	120	819.00	11.3	910	7.09	
19	P-108	125	821.94	10.1	710	7.09	
20	MW-111	127	819.60	13.7	762	7.09	
21	P-111D	130	819.77	19.6	697	7.09	
22	MW-112	121	821.14	12.2	935	6.91	same for dup
23	P-113B	138	818.25	9.5	545	7.09	
24	P-114	140	818.71	13.8	543	7.09	
25	P-115	142	818.71	9.5	502	7.09	
26	P-116	143	817.80	9.8	483	7.09	
27	MW-3A	133	817.00	10.8	504	7.09	
28	MW-3B	134	819.66	10.7	553	7.09	
1	Baneck	203	N/A	10.5	562	7.81	
2	Gaastra	201	N/A	10.7	589	7.81	
3	Rohde	207	N/A	10.7	567	7.5	

(Please Print Legibly)
Company Name: GeoTrans
Branch or Location: Brookfield
Project Contact: Jerry Demers
Telephone: 262-792-1782
Project Number: 1011.002
Project Name: FEMW Landfill
Proj ct State: WI
Sampled By (Print): Yantz, Sawall
PO #:

Data Package Options - (please ci cle if requested)
Sample Results Only (no QC)
EPA Level II (Subject to Surcharge)
EPA Level III (Subject to Surcharge)
EPA Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

EN CHEM INC.
chemistry for the environment
1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
Fax 920-469-8827

CHAIN OF CUSTODY № 121768

Quote #:
Mail Report To:
Company: GeoTrans
Address: same

Invoice To: GeoTrans
Company: same
Address:

Mail Invoice To:

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

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	ANALYSES REQUESTED: VOC 524.2	ANALYSES REQUESTED: VOC 8260	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
					N	B					
					N	B					
001	Banack	10-12	0947	gw			✓		3-40ml B	LOD for vinyl chloride must be 0.20ppb or less. Need elect. data	
002	Gaastra	10-12	0927				✓				
003	Rohde	10-12	1017				✓				
004	Wetland	10-12	1345					✓			
005	MW-101	10-13	1537					✓			
006	P-101	10-13	1600					✓			
007	MW-102	10-14	1300					✓			
008	P-102	10-14	1315					✓			
009	MW-103	10-13	1145					✓			
010	P-103	10-13	1100					✓			
011	P-103D	10-13	1145					✓			
012	MW-104	10-13	1645					✓			

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #:
Fax #:
E-Mail Address:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
D. Yantz	10/15/04 1200		
			10/18/04 1000
	10/18/04		
Dunham			
		Shria Dutton	10/19/04 0830

En Chem Project No.: 852360
Sample Receipt Temp.: ROI
Sample Receipt pH (Wet/Metals): NA
Cooler Custody Seal: Present / ~~Not Present~~
Intact / Not Intact

Version 4.0r 07/03

(Please Print Legibly)
Company Name: GeoTrans
Branch or Location: Brookfield
Project Contact: Jerry Deimers
Telephone: 262-792-1282
Project Number: 1011.002
Project Name: EF/NN Landfill
Project State: WI
Sampled By (Print): Yantz, Scawall
PO #:

EN CHEM INC.
...chemistry for the environment.
1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
Fax 920-469-8827

CHAIN OF CUSTODY № 121769

Quote #:
Mail Report To: GeoTrans
Company:
Address:
Invoice To:
Company:
Address:
Mail Invoice To:

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

Data Package Options - (please circle if requested)
Sample Results Only (no QC)
EPA Level II (Subject to Surcharge)
EPA Level III (Subject to Surcharge)
EPA Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	ANALYSES REQUESTED: VOC 8260	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
	2004				N	B		3-40ml B		
013	P-104	10-13	1710	gw	✓				LOD for vinyl chloride must be 0.20 ppb or less.	
014	P-106	10-13	1830		✓					
015	MW-107	10-13	0925		✓					
016	P-107	10-13	1010		✓					
017	P-107D	10-13	0915		✓					
018	MW-108	10-14	1212		✓					
019	P-108	10-14	1228		✓				Need elect. data	
020	MW-111	10-13	1435		✓					
021	P-111D	10-13	1435		✓					
022	MW-112	10-13	1745		✓					
023	P-113B	10-14	0835		✓					
024	P-114	10-13	1340		✓					

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone :
Fax :
E-Mail Address:
[redacted]ples [redacted]D ar[redacted]t to
Special pricing and reteli[redacted] liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
D. Yantz	10/15/04 1200		10/18/04 1000
	10/18/04		
Dunham		Gloria Dotatore	10/19/04 0830
[redacted]shed	Dat[redacted]	[redacted]	[redacted]

En Chem Project No. 852360
Sample Receipt Temp. Rec
Sample Receipt pH (Wet/Metals) NA
Cooler Custody Seal Present / Not Present
Int[redacted] Inta[redacted]

(Please Print Legibly)
Company Name: GeoTrans
Branch or Location: Brookfield
Project Contact: Jerry DeMers
Telephone: 262-792-1282
Project Number: 1011.002
Project Name: FFINN Landfill
Project State: WI
Sampled By (Print): Yantz, Sawall
PO # _____

EN CHEM INC.
...chemistry for the environment.
1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436
Fax 920-469-8827

CHAIN OF CUSTODY № 121770

Quote #: _____
Mail Report To: GeoTrans
Company: _____
Address: _____
Invoice To: _____
Company: _____
Address: _____
Mail Invoice To: _____

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

Data Package Options - (please circle if requested)
Sample Results Only (no QC)
EPA Level II (Subject to Surcharge)
EPA Level III (Subject to Surcharge)
EPA Level IV (Subject to Surcharge)

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	ANALYSES REQUESTED: VOC 8260	TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
025	P-115	10/14	0935	GW	N	B	✓	3-40mlB	LOD for	
026	P-116	10/14	1025				✓		vinyl chloride	
027	MW-3A	10-14	1120				✓		must be 0.20	
028	MW-3B	10-14	1140				✓		ppb or less	
029	P-107 Dup	10-13	1025				✓			
030	P-104 Dup	10-13	1715				✓		Need elect.	
031	MW-112 Dup	10-13	1750				✓		data	
032	trip blank						✓	4-40mlB H2O TB		

Rush Turnaround Time Requested (TAT) - Prelim
(Rush TAT subject to approval/surcharge)
Date Needed: _____
Transmit Prelim Rush Results by (circle):
Phone Fax E-Mail
Phone #: _____
Fax # _____
E-Mail Address: _____

Samples on HOLD are subj ct to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
D. Yantz	10/15/04 1200		
			10/18/04 1000
	10/18/04		
Dunham			
		Lori Patton	10/19/04 0830

En Chem Project No.: 852360
Sample Receipt Temp.: 4.0°C
Sample Receipt pH (Wet/Metals): NA
Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Version 4.0 07/03

ATTACHMENT D

GROUNDWATER SAMPLING FIELD FORMS

Field Water Quality Form

GeoTrans, Inc.

Project Name	FF/NN Landfill	**Equipment Used**	
Project Number	1011.002	QED pump and Grundfos™ pump	
Location	Ripon, WI	Bailers	
Samplers	Heidi Yantz, Hardy Sawall	Solinst water level	

Sample Point	MW-103	P-111A	P-111D	MW-111	P-111
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10-13-04	10-13-04	10-13-04	10-13-04	10-13-04
Time Sampled	1145	1340	1435	1435	1500
Depth to Water	50.18				
Depth to Bottom	~53.7				
Purge Volume (gal)	2	80	56	4	30
Depth Sample Taken					
Sampling Device	QED	ded. bailer	disposable bailer	ded bailer	ded bailer
Field Temp (C)	13.2	13.8	19.6	13.7	13.4
Spf Cond (uS/cm @ 25C)	1201	543	697	762	501
pH	7.09	7.09	7.09	7.09	7.09
Color	dingy brown-black	orange-brown	clear	clear	clear
Odor	none	none	none	none	none
Clarity	sl.cloudy	cloudy	clear	clear	clear

Analyses Performed					
VOCs (40-mL HCl)					
	took 30-35 min				Didn't need to take
	to purge 2				
	gals				
Comments					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by					

Field Water Quality Form

GeoTrans, Inc.

Project Name FF/NN Landfill
Project Number 1011.002
Location Ripon, WI
Samplers Heidi Yantz, Hardy Sawall

Equipment Used
QED pump and Grundfos™ pump
Bailers
Solin t water level

Sample Point	P-107D	MW-107	P-107 plus / DUP	P-103	P-103D
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10-13-04	10-13-04	10-13-04	10-13-04	10-13-04
Time Sampled	0915	0925	1010/1012 ~~1005/1010~~ BH	1100	LH 1145
Depth to Water	54.26	50.58	50.18	49.69	50.37
Depth to Bottom	~328	~55	~96	191	93
Purge Volume (gal)	7gal	2.5 gal	18 gal	17 gal	70 gal
Depth Sample Taken	~327	~54	~95	~190	~87
Sampling Device	QED	Ded bailer	QED	QED	grundfos / ded bailer
Field Temp (C)	9.6	10.5	11.8	11.4	~~13.5~~ 11.9
Spf Cond (uS/cm @ 25C)	583	1097	718	885	~~1201~~ 728
pH	7.32	6.99	7.36	7.01	~~7.09~~ 7.46
Color	clear	orangish brown	clear	clear	clear
Odor	none	none	none	none	none
Clarity	clear	Sl. cloudy	clear	clear	clear

Analyses Performed					
VOCs (40-mL HCl)					
			Dup @1012		
Comment					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by					

Field Water Quality Form

GeoTrans, Inc.

Project Name	FF/NN Landfill	**Equipment Used**	
Project Number	1011.002	QED pump and Grundfos™ pump	
Location	Ripon, WI	Bailers	
Samplers	Heidi Yantz, Hardy Sawall	Soli st water level	

Sample Poi t	Gaastra	Baneck	Rohde	wetland	
Water Type	Groundwater	Groundwater	Grou dwater	Groundwater	Groundwater
Date	10-12-04	10-12-04	10-12-04	10-12-04	
Time Sampled	0922	0947	1017	1345	
Depth to Water	—	—	—	—	
Depth to Bottom	—	—	—	—	
Purge Volume (gal)	100	100	100	—	
Depth Sample Take	—	—	—	—	
Sampli g Device	spigot	spigot	spigot	—	
Field Temp (C)	10.7	10.5	10.7	17.1	
Spf Co d (uS/cm @ 25C)	589	562	567	502	
pH	7.81	7.82	7.50	7.16	
Color	clear	clear	Clear	mostly clear	
Odor	sl. sulfur	sulfur	none	none	
Clarity	clear	clear	Clear	mostly clear	

Analyses Performed					
VOCs (40-mL HCl)					
Comments					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by	MM				

Field Water Quality Form

GeoTrans, Inc.

Project Name FF/NN Landfill
Project Number 1011.002
Location Ripon, WI
Samplers Heidi Yantz, Hardy Sawall

Equipment Used
QED pump and Grundfos™ pump
Bailers
Solinst water level

Sample Point	MW-3B	P-108	MW-108	MW-102	P-102
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10.14.04	10.14.04	10.14.04	10.14.04	10.14.04
Time Sampled	1140	1228	1212	1300	1315
Depth to Water					
Depth to Bottom					
Purge Volume (gal)	40	19	2	2.5	2.5
Depth Sample Taken					
Sampling Device	hang bailer	hang bailer	disposable bailer	disposable bailer	hang bailer
Field Temp (C)	10.7	10.1	11.3	11.2	10.7
Spf Cond (uS/cm @ 25C)	553	710	910	776	801
pH	7.09	7.09	7.09	7.09	7.09
Color	clear	clear	reddish-brown	lt brown	clear
Odor	yes	yes	no	none	none
Clarity	clear	clear	cloudy	clear	clear

Analyses Performed					
VOCs (40-mL HCl)					
Comments					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by					

Field Water Quality Form

GeoTrans, Inc.

Project Name	FF/NN Landfill		Equipment Used
Project Number	1011.002		QED pump and Grundfos™ pump
ocation	Ripon, WI		Bailers
amplers	Heidi Yantz, Hardy Sawall		Solinst water level

Sample Point	MW-101	P-101	P-104/DUP	MW-104	MW 112 / DUP
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10/13/04	10/13/04	10.13.04	10.13.04	10.13.04
Time Sampled	1527	1600	1710 / 1715 ~~1615~~	1645 ~~1650~~	1745/1750
Depth to Water					
Depth to Bottom					
Purge Volume (gal)	1.5	17	21	2	3.5
Depth Sample Taken					
Sampling Device	ded bailer	hang bailer	QED	disposable bailer	QED
Field Temp (C)	13.6	12.4	11.9	13.3	12.2
Spf Cond (uS/cm @ 25C)	1055	732	711	1289	935
pH	6.71	7.09	7.09	7.09	6.91
Color	mn ?? black	lt brown	clear	black	tan
Odor	musty	none	none	yes	none
Clarity	cloudy	sl. cloudy	clear	cloudy	cloudy

Analyses Performed					
VOCs (40-mL HCl)					
Comments					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by					

Field Water Quality Form

GeoTrans, Inc.

Project Name FF/NN Landfill
Project Number 1011.002
Location Ripon, WI
Samplers Heidi Yantz, Hardy Sawall

Equipment Used
QED pump and Grundfos™ pump
Bailers
Solinst water level

Sample Point	P-106	P-113 B	P-115	P-116	B-MW-3A
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10.13.04	10.14.04	10.14.04	10.14.04	10.14.04
Time Sampled	1830	0835	0935	1025	1120
Depth to Water					
Depth to Bottom					
Purge Volume (gal)	16 gal	90	80	70	~~80~~ 90 gal
Depth Sample Taken					
Sampling Device	QED	clear bailer	dedicated bailer	dedicated bailer	hang bailer
Field Temp (C)	10.5	9.5	9.5	9.8	10.8
Spf Cond (uS/cm @ 25C)	920	545	502	483	504
pH	7.04	7.04	7.04	7.04	7.04
Color	clear	none	black	clear	clear
Odor	none	yes	no	none	none
Clarity	clear	slightly cloudy	opaque	clear	clear

Analyses Performed					
VOCs (40-mL HCl)					
Comments					
Lab Sent To	Enchem	→	→	→	→
Date Sent		→	→	→	→
Sampled by					

ATTACHMENT E

BOREHOLE LOGS AND PROBE CONSTRUCTION FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	10/1/2004	10/1/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	408	Gas Probe GP-10	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Dark brown topsoil and a sandy silt										
			2											
			3	Dark brown sandy silt										
			4											
			5											
			6											
			7		MLS									
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Ken Lucas	GeoTrans, Inc. 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045	262-792-1282 Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-10 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	Dark brown silt with some sand	ML									
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21	Dark brown gravelly sand with trace silt (~10%)	SWG									
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-10 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33	Dark brown gravelly sand with trace silt (~10%) *(continued)*	SWG									
			34											
			35	End of borehole.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	9/30/2004	9/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	409	Gas Probe GP-11	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Dark brown silty sand with gravel	SM									
			2	Light brown silty sand with gravel. Cobble at 5 feet	SM									
			10	Light brown sand with gravel. Gravel-dominated lenses near bottom.	SWG									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lucas Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045
Tel: 262-792-1282 Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to le this form ay result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-11 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	Light brown sand with gravel. Gravel-dominated lenses near bottom. *(continued)*										
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22		SWG									
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-11 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	Light brown sand with gravel. Gravel-dominated lenses near bottom. *(continued)*	SWG									
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
			42											
			43	End of borehole										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	9/30/2004	9/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	410	Gas Probe GP-12	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Dark brown silty fine sand with gravel. Cobble at 7 feet.	SW									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kevin Lance
Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045
Tel: 262-792-1282
Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-12 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	Dark brown silt, some fine sand (~ 20%). Cobble at 15 feet.	ML									
			14											
			15											
			16											
			17	End of borehole										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	9/30/2004	9/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	404	Gas Probe GP-5	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Brown sand										
			2		SW									
			3											
			4	Dark brown sand & gravel										
			5											
			6		SWG									
			7											
			8	End of borehole										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lance

Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045

Tel: 262-792-1282
Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	9/30/2004	10/1/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	405	Gas Probe GP-6	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NW 1/4 of NE 1/4 of Section 18, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Dark brown sandy silt. Gravel seam at 10 feet.	MLS									
			2											
			3											
			4	Dark brown silty sand with gravel.	SM									
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 262-792-1282
Ken Lance	GeoTrans, Inc. 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045	Fa

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-6 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	P 200	RQD/ Comments
			13	Dark brown silty sand with gravel. *(continued)*	SM									
			14	Dark brown sandy gravel.	GWS									
			19	Sandy gravel.	GWS									
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-6 Use only as an attachment to Form 4400-122.

Sample										Soil Properties						
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID		Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33	Sandy gravel.*(continued)*	GWS										
			34												
			35	End of borehole.											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	10/1/2004	10/1/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	406	Gas Probe GP-7	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NW 1/4 of NE 1/4 of Section 18, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Dark brown sandy silt with gravel.	MLS									
			2	Reddish brown gravelly sand, ~ 10% silt										
			3											
			4											
			5											
			6											
			7		SWG									
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Kevin Lance	GeoTrans, Inc. 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045	262-792-1282 Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-7 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	Reddish brown gravelly sand, ~ 10% silt *(continued)*	SWG									
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-7 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			33	Reddish brown gravelly sand, ~ 10% silt *(continued)*	SWG									
			34											
			35	End of borehole.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FF/NN Landfill	000467	GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Craig Plant Environmental Drilling Svcs	9/30/2004	9/30/2004	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	407	Gas Probe GP-8	Feet MSL	Feet MSL	6.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 7, T 16 N, R 17 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
431048200	Fond Du Lac	20	Town of Ripon

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Tan gravelly silty sand (~ 20% fines). Some gravel layers. Increasing fines at bottom	SWG									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ken Lunde Firm GeoTrans, Inc. Tel: 262-792-1282
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 Fax: [redacted]

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GP-8 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	BOREHOLE LOGGED BY OBSERVING CUTTINGS ONLY. NO SAMPLES TAKEN. Tan gravelly silty sand (~ 20% fines). Some gravel layers. Increasing fines at bottom*(continued)*	SWG									
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25	End of borehole										

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-10
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.:	DNR Well Number: 408
Facility ID: 431048200	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant
Distance from Waste/Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:	Environmental Drilling Svcs

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 35.0 ft.

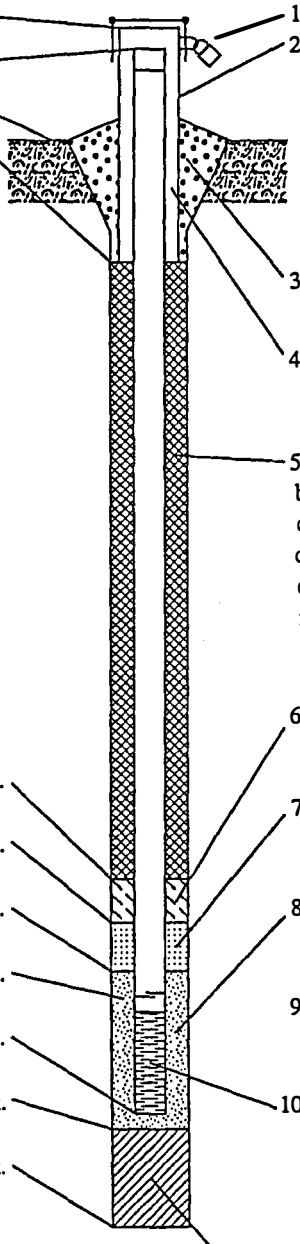
J. Filter pack, bottom ____ ft. MSL or 35.0 ft.

K. Borehole, bottom ____ ft. MSL or 35.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 30
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. ____ % Bentonite ... Bentonite-cement grout ☐ 50
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 i
d. Slotted length: 30.0 =

11. Backfill material (below filter pack): None ☐ 14
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lunce | Firm: GeoTrans, Inc., 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 | Tel: 262-792-1282 Fax

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-11
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.:	DNR Well Number: 409
Facility ID: 431048200	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm) Craig Plant / Environmental Drilling Svcs
Distance from Waste/Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

Protective pipe, top elevation ____ ft. MSL

Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 43.0 ft.

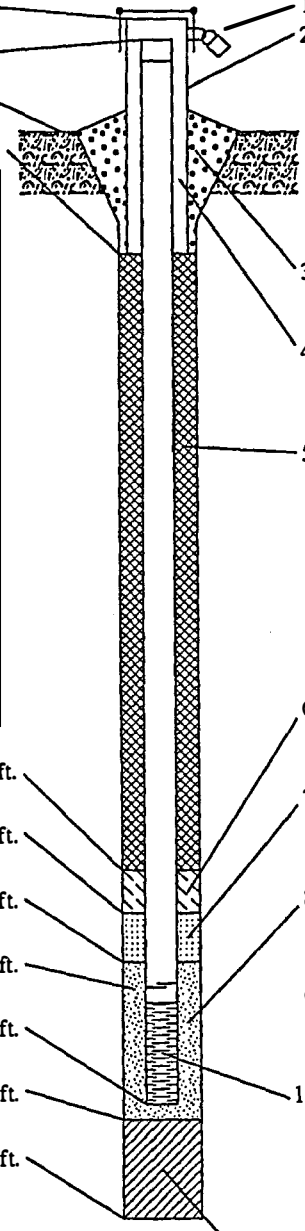
J. Filter pack, bottom ____ ft. MSL or 43.0 ft.

K. Borehole, bottom ____ ft. MSL or 43.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 30
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 9.5 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 14
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lunac | Firm: GeoTrans, Inc., 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 | Tel: 262-792-1282 | Fax:

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-12
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒	Wis. Unique Well No.:	DNR Well Number: 410
Facility ID: 431048200	Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7, T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant, Environmental Drilling Svcs
Distance from Waste/Source: 130 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 17.0 ft.

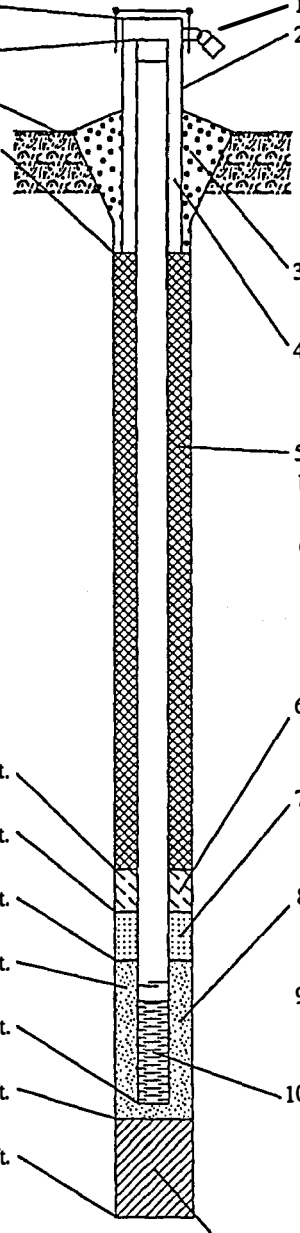
J. Filter pack, bottom ____ ft. MSL or 17.0 ft.

K. Borehole, bottom ____ ft. MSL or 17.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04 ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30 ____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. ____ % Bentonite ... Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 2.5 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 ____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11 Continuous slot ☐ 01 ____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010
d. Slotted length: 12.0

11. Backfill material (below filter pack): None ☐ 14 ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lucas | Firm: GeoTrans, Inc., 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 | Tel: 262-792-1282 Fax [redacted]

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 28[illegible] 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

= of Wisconsin
rtment of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-5
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.:	DNR Well Number: 404
Facility ID: 431048200		Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7 T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/ Source: 140 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 8.0 ft.

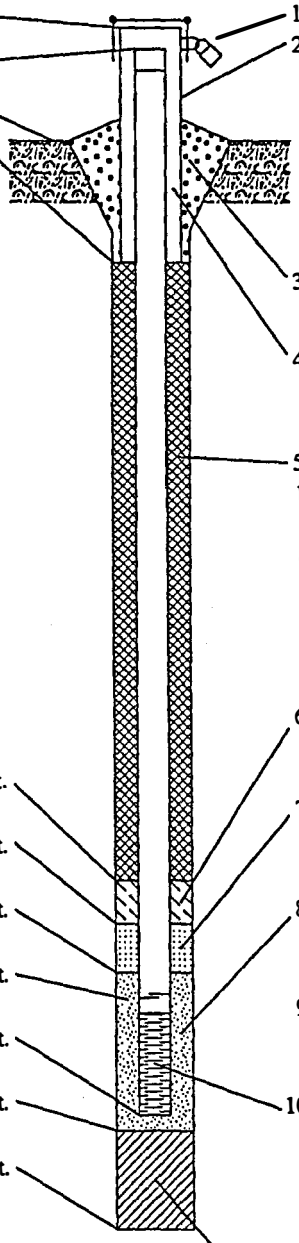
J. Filter pack, bottom ____ ft. MSL or 8.0 ft.

K. Borehole, bottom ____ ft. MSL or 8.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 30
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 1 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☐ 14
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kim Linen | Firm: GeoTrans, Inc., 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 | Tel: 262-792-1282 | Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

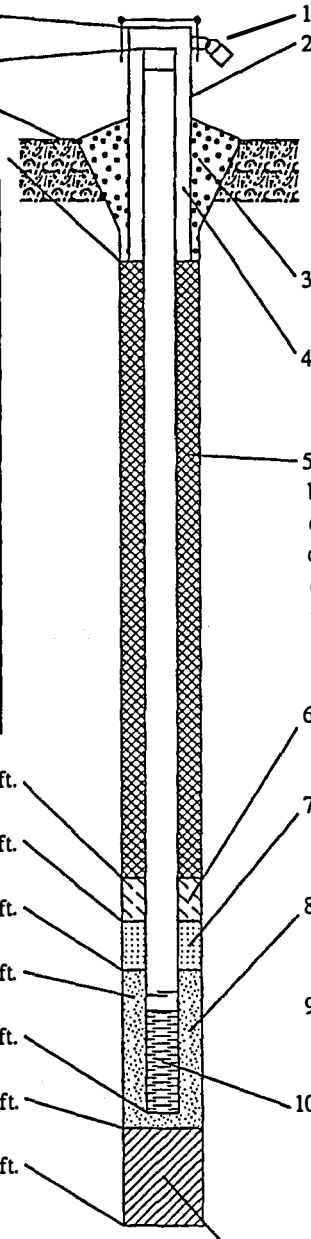
State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-6
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: / DNR Well Number: 405
Facility ID: 431048200	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 18 T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant / Environmental Drilling Svcs
Distance from Waste/Source: 135 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:



A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 35.0 ft.

J. Filter pack, bottom ____ ft. MSL or 35.0 ft.

K. Borehole, bottom ____ ft. MSL or 35.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30 / ____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / ____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11 / Continuous slot ☐ 01 / ____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010
d. Slotted length: 30.0

11. Backfill material (below filter pack): None ☐ 14 / ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lucas

Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045

Tel: 262-792-1282
Fax: [redacted]

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-7
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: ____ DNR Well Number: 406
Facility ID: 431048200	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 10/01/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 18 T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/Source: 135 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

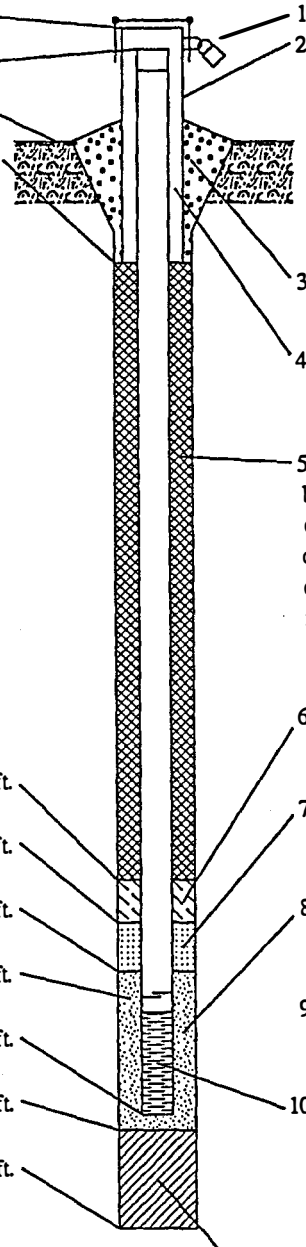
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 4.0 ft.
H. Screen joint, top ____ ft. MSL or 5.0 ft.
I. Well bottom ____ ft. MSL or 35.0 ft.
J. Filter pack, bottom ____ ft. MSL or 35.0 ft.
K. Borehole, bottom ____ ft. MSL or 35.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; ____ Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. ____ % Bentonite ... Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 7.5 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11; Continuous slot ☐ 01; ____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 30.0 ft.
11. Backfill material (below filter pack): None ☐ 14; ____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lucas

Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045

Tel: 262-792-1282
Fax:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: FF/NN Landfill	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: Gas Probe GP-8
Facility License, Permit or Monitoring No.: 000467	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: ____ DNR Well Number: 407
Facility ID: 431048200		Date Well Installed: 09/30/2004
Type of Well: Well Code 51/gp	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 7 T. 16 N, R. 17 ☒E ☐W	Well Installed By: (Person's Name and Firm): Craig Plant; Environmental Drilling Svcs
Distance from Waste/Source: 105 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 4.0 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or 25.0 ft.

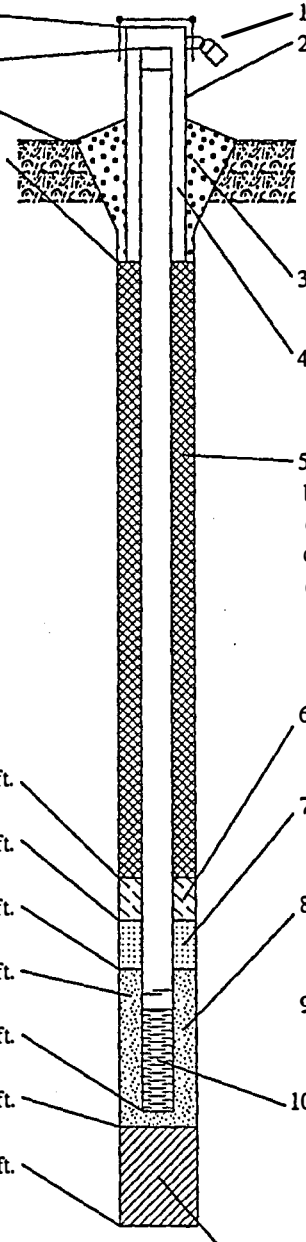
J. Filter pack, bottom ____ ft. MSL or 25.0 ft.

K. Borehole, bottom ____ ft. MSL or 25.0 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04
____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☒ 30
____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. 0.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added ____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining Corp
b. Volume added 6.5 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 25
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 0
____ Other ☐
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 20.0 ft.

11. Backfill material (below filter pack): None ☐
____ Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ken Lance

Firm: GeoTrans, Inc.
175 N. Corporate Drive, Suite 100 Brookfield, WI 53045

Tel: 262-792-128

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

ATTACHMENT F

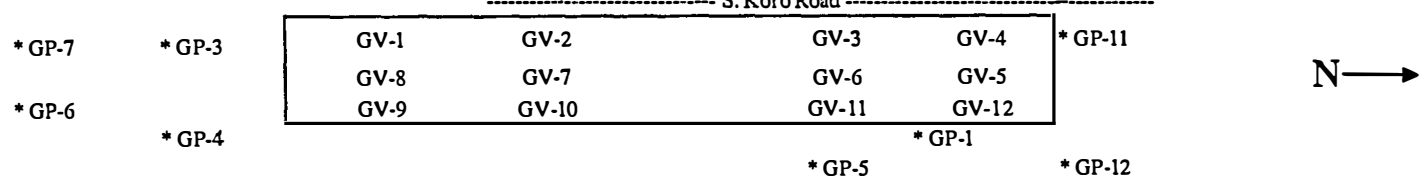
LANDFILL GAS FIELD FORMS

GAS PROBE DATA

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

Barometric Pressure: 30.01 Hg
Temperature (ambient ~55-65 F
Measuring Device: Landfer

Date	Time	Measurement Point	% Methane Peak	% Methane Stable	% CO_2	% O_2	Comments
10-17-04	1250	Background	0.0	0	0.1	19.1	
	1559	LC-1	1.6	1.6	1.5	19.1	
	1619	LC-2	0	0	0.1	19.8	
1167	~~1627~~ 1627	LC-3	0	0	0.2	~~19.6~~ 19.7 BM	odor
	1216	MW-101	3.2	2.9	14.7	1.1	strong odor
	1249	MW-102	0	0	3.1	7.6	
	1144	MW-103	BM ~~6.~~ 6.5	6.2	13	0.9	
	1553	MW-104	22.6	22.4	14.4	0.3	Smells like an ocean beach
	1140	MW-112	5.2	4.6	10.9	1.4	
	1627	GV-1	0	0	0.2	19.6	
	1615	GV-2	0	0	0	19.8	
	1557	GV-3	10.6	2.5	4.0	17.3	
	1600	GV-4 BM 17.5 ~~4.9~~		accidental stab.	~~4.0~~ 12	~~16.8~~ 10 BM	
	1605	GV-5	21.5	~~16 46.9~~ BM	16.2	6.7	
	1617	GV-6	24.6	22.1	15.2	9.3	strong odor
	1617	GV-7	0	0	0	19.8	
	1624	GV-8	0	0	0.2	19.6	
	1622	GV-9	0	0	0.2	19.8	
	1620	GV-10	0	0	0.2	19.6	strong odor
	1610	GV-11	0	0	0	19.6	
	1608	GV-12	0	0	0.2	19.6	
	1236	GP-1	33.1	29.7	15.6	0.2	
	1205	GP-2	24.7	23.6	20.7	1.1	
	1137	GP-3	19.5	18.6	15.1	1.7	
	1151	GP-4	0	0	4.8	12.9	
	1244	GP-5	0.1	0	7.9	11.9	
	1127	GP-6	0	0	5.1	11.1	
	1179	GP-7	BM ~~3.5~~ 6.3	5.9	BM ~~5.4~~ 9.9	~~11.2~~ 5.0 BM	
	1158	GP-8	4.4	4.2	11.9	6.2	odor
	1209	GP-10	0	0	5.4	10.7	
	1213	GP-11	0	0	1.9	13.1	
↓	1226	GP-12	0	0	4.7	13.9	
	1626	Background	* GP-8 0	0	0.2	* GP-2 19.8	* GP-10



ATTACHMENT G

CAP INSPECTION FIELD FORM

FF/NN Landfill Site Inspection Form

Inspector Name: Heidi Yantis
Employer: GeoTrans
Phone:

Date: 10-12-04

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

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

U

GeoTrans, Inc.

ATTACHMENT H

LANDFILL GAS SAMPLING ANALYTICAL RESULTS

analytical services center
International Specialists in Environmental Analysis
4493 Walden Avenue, Lancaster, New York 14086
Tel: 716/685-8080, 800/327-6534 • Fax: 716/685-0852 • Email: asc@ene.com

October 14, 2004

Nelson M. Olavarria
Cooper Industries, Inc.
500 Travis, Suite 5800
Houston, TX 770021001

RE: FF/NN Landfill
Work Order No.: **0410056**

Dear Nelson M. Olavarria,

Analytical Services Center received 4 samples on Wednesday, October 06, 2004 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NELAC for which it holds certification except as noted in this narrative and/or as flagged in the report.

The ASC is accredited in the Fields of Testing Potable water (SDWA), Solid and Chemical Materials (Solid Hazardous Wastes, RCRA), Water (CWA and other non-potable water) and Air and Emissions. Its primary accrediting authorities are New York State Department of Health and Florida Department of Health. The particular analytes/methods certified may be ascertained by requesting the laboratory's current certificates from your laboratory Project Manager .

You will receive an invoice under separate cover.

E & E will retain the samples addressed in this report for 30 days, unless otherwise instructed by the client. If additional storage is requested, the storage fee is $1.00 per sample container per month, to accrue until the client authorizes sample destruction.

This report is not to be reproduced, except in full, without the written approval of the laboratory.

Sincerely,

Jason R. Kacalski
Project Manager
CC: Jerry Demers
Enclosures as noted

This report ends on page 24

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster New York 14086
a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

Client: Cooper Industries, Inc.
Project: FF/NN Landfill
Work Order: 0410056

Method References

GCMS Volatiles

VOCs in Air by GCMS Method TO-14A	Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition. 1997. EPA-625/R-96-010B. Compendium Methods TO-14A, 15,16,17. (NCEPI or AMTIC)

2

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International Specialists in Environmental Analysis
Lancaster New York 14086
a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: Cooper Industries, Inc.
Project: FF/NN Landfill
Lab Order: 0410056
Date Received: 10/6/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0410056-01A	GP-1		9/29/2004 3:40:00 PM
0410056-02A	GP-2		9/29/2004 2:05:00 PM
0410056-03A	GP-3		9/29/2004 12:30:00 PM
0410056-04A	LH-1		9/29/2004 5:30:00 PM

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International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: COOPER
Project: FF/NN Landfill
Lab Order: 0410056

CASE NARRATIVE

GCMS VOLATILES

A DB 624 column and a trap packed with OV-1, Tenax, silica gel and activated charcoal was used for the volatile analysis.

Sample analysis
All samples were analyzed within hold time.
All samples were analyzed at seconadry dilutions due to the elevated amounts of target analytes present.

Calibration and Tunes
All initial and continuing calibrations were acceptable.
There were no manual integrations required.

QC
All surrogate recoveries were within acceptable limits.
All blank analyses were acceptable.
All sample duplicate (DUP) RPD values were acceptable.
All internal standard area responses were acceptable.

iTocess thru Coo[redacted]er Ind[redacted]es A[redacted]unt ([redacted] J[redacted]on [redacted]Kacelski) 1 OC

Cooler No:
Lab:

CHAIN OF CUSTODY RECORD

ASC analytical services center

Ecology and Environment, Inc., Analytical Services Center
4493 Walden Avenue, Lancaster, New York, 14086, Tel: 716/685-8080, Fax 716/685-0852
Where Scientific Excellence and Efficiency Meet

Page: 1 of 1

PROJECT NO:

CLIENT:

LOCATION: (Include State) Ripon WI

SITE NAME: FF/NN Landfill ~~#100~~ 1011.002.16

CONTAINER TYPE AND PRESERVATIVE: summa canister

TURNAROUND TIME: 24-HOUR ☐ 48-HOUR ☐ 1-WEEK ☐ (RUSH) STANDARD ☒ OTHER

PROJECT MANAGER: Jerry DeMers OFFICE No.: 262-792-1282

FIELD TEAM LEADER: PHONE No.:

SAMPLERS: (PRINT) Kevin Lincicum

REQUESTED ANALYSIS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOC's TO-14							OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
9/29/04	1230	GP-3	A		1	0	X							NA	NA	NA	*
9/29/04	1540	GP-1	A		1	0	X							↓	↓	↓	* see above
9/29/04	1405	GP-2	A		1	0	X							↓	↓	↓	*
9/29/04	1730	LH-1	A		1	0	X							↓	↓	↓	*

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:
Kevin Lincicum (signature)	10/1/04 19:10	(signature)	10-6-04 0842

TEMPERATURE BLANK INFO.: Enclosed: Yes No

Ship Via: Date:

BLA/Airbill Number:

LAB PROJECT NO.:

LAB PROJECT MANAGER:

(FOR LAB USE ONLY) Date: Time: Temperature: C° Work Order No.:

Distribution: White-Lab Original Yellow-Field Team Leader/Project Manager

F1430602.cdr

Cooler Receipt Form

No. of Packages:	4	**Date Received:**	10-6-04
Package Receipt No.:	14640	**Project or Site Name:**	
Client:	GeoTrans Inc. (Cooper)		

A. Peliminary Examination and Receipt Phase		*Circle One*	
1. Did coolers come with airbill or packing slip?	Yes	No	NA
Circle carrier here and print airbill number below: (Fed Ex) Airborne Client Other _____			
Shipped as high hazard or dangerous goods?	Yes	No	NA
2. Did cooler(s) have custody seals?	Yes	No	NA
3. Were custody seals unbroken and intact on receipt?	Yes	No	NA
4. Were custody seals dated and signed?	Yes	No	NA
5. How was package secured? ☐ Not secured ☒ Fiberglass Tape ☐ _____			

B. Unpacking Phase

6. Date cooler(s) opened: 10-6-04 Cooler(s) opened by: _____ (Signature)

7. Was a temperature blank vial included inside cooler(s)? Yes No (NA)

Please Record Temperature Vial or Cooler Temperature for Each Cooler, Range (2° - 6°C)*

Airbill No.	Temp. °C	Airbill No.	Temp. °C	Airbill No.	Temp. °C
7921 0426 5310	NA	7921 0426 5295	NA		
7921 0426 5321	1				
7921 0426 5284	1				

Thermometer No.: NA Correction Factor: NA

*If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.

8. Were the C-O-C forms received?	(Yes)	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	(Yes)	No	NA
Type of material: Vermiculite Bubble Wrap (Other) _____			
10. If cooling was required, what was the means (type ice) of cooling used: Wet Dry Blue Other			(NA)
11. Were all containers sealed in separate plastic bags?	Yes	No	(NA)
12. Did all containers arrive unbroken and in good condition?	(Yes)	No	NA

13. Interim storage area if not logged: _____

In: Date _____ Time _____ Signature _____

Out: Date _____ Time _____ Signature _____

C. Login Phase

Samples Logged in By Signature: _____ Date: 10-6-04

14. Were all container labels complete (e.g. date, time preserved)?	(Yes)	No	NA
15. Were all C-O-C forms filled out properly in black ink and signed?	(Yes)	No	NA
16. Did the C-O-C form agree with containers received?	(Yes)	No	NA
17. Were the correct containers used for the tests requested?	(Yes)	No	NA
18. Were the correct preservatives listed on the sample labels?	Yes	No	(NA)
19. Was a sufficient sample volume sent for the tests requested?	(Yes)	No	NA
20. Were all volatile samples received without headspace?	Yes	No	(NA)

*Prepare a PM Notification form (F-051).

Analytical Services Center
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Lancaster New York 14086
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Lab Order: 0410056
Client: Cooper Industries, Inc.
Project: FF/NN Landfill

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0410056-01A	GP-1	Air	Volatile Organics in Air by Method TO-14A	9/29/2004 3:40:00 PM	10/6/2004 8:42:00 AM	14:C 10/13/2004 3:40:00 PM	10/8/2004 5:20:00 PM 1041990	SAMP	100	1	☐
			Volatile Organics in Air by Method TO-14A			14:C 10/13/2004 3:40:00 PM	10/7/2004 4:06:00 PM 1041984	SAMP	10	41	☐
0410056-02A	GP-2	Air	Volatile Organics in Air by Method TO-14A	9/29/2004 2:05:00 PM	10/6/2004 8:42:00 AM	14:C 10/13/2004 2:05:00 PM	10/7/2004 8:31:00 PM 1041983	SAMP	10	42	☐
0410056-03A	GP-3	Air	Volatile Organics in Air by Method TO-14A	9/29/2004 12:30:00 PM	10/6/2004 8:42:00 AM	14:C10/13/2004 12:30:00 PM	10/8/2004 5:55:00 PM 1041991	SAMP	800	2	☐
			Volatile Organics in Air by Method TO-14A			14:C10/13/2004 12:30:00 PM	10/7/2004 6:38:00 PM 1041985	SAMP	25	40	☐
0410056-04A	LH-1	Air	Volatile Organics in Air by Method TO-14A	9/29/2004 5:30:00 PM	10/6/2004 8:42:00 AM	14:C 10/13/2004 5:30:00 PM	10/8/2004 3:32:00 PM 1041988	SAMP	2	42	☐

HT From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

** "Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date and time of completion of the preparation.*
For TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects the extraction from the original sample leacheate unless an "RE" Sample exists for the extraction (tumble) test.

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc. **Client Sample ID:** GP-1
Lab Order: 0410056 **Alt. Client ID:**
Project: FF/NN Landfill **Collection Date:** 9/29/2004 3:40:00 PM **% Moist:**
Lab ID: 0410056-01A **Sample Type:** SAMP **Matrix:** Air **Test Code:** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method:** EPATO14 **Prep Method:** NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		20.0	ppbv	10	10/7/2004 4:06:00 PM	JAKE_041007A	RMJ
1,1,2,2-Tetrachloroethane	ND		20.0	ppbv	10			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	ppbv	10			
1,1,2-Trichloroethane	ND		20.0	ppbv	10			
1,1-Dichloroethane	ND		20.0	ppbv	10			
1,1-Dichloroethene	ND		20.0	ppbv	10			
1,2,4-Trichlorobenzene	ND		20.0	ppbv	10			
1,2,4-Trimethylbenzene	ND		20.0	ppbv	10			
1,2-Dibromoethane	ND		20.0	ppbv	10			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		20.0	ppbv	10			
1,2-Dichlorobenzene	ND		20.0	ppbv	10			
1,2-Dichloroethane	ND		20.0	ppbv	10			
1,2-Dichloropropane	ND		20.0	ppbv	10			
1,3,5-Trimethylbenzene	ND		20.0	ppbv	10			
1,3-Dichlorobenzene	ND		20.0	ppbv	10			
1,4-Dichlorobenzene	ND		20.0	ppbv	10			
Benzene	31.2		20.0	ppbv	10			
Benzyl chloride	ND		20.0	ppbv	10			
Bromomethane	ND		20.0	ppbv	10			
Carbon tetrachloride	ND		20.0	ppbv	10			
Chlorobenzene	ND		20.0	ppbv	10			
Chloroethane	208		20.0	ppbv	10			
Chloroform	ND		20.0	ppbv	10			
Chloromethane	ND		20.0	ppbv	10			
cis-1,2-Dichloroethene	ND		20.0	ppbv	10			
cis-1,3-Dichloropropene	ND		20.0	ppbv	10			
Dichlorodifluoromethane	2980		200	ppbv	100	10/8/2004 5:20:00 PM	JAKE_041008A	
Ethylbenzene	ND		20.0	ppbv	10	10/7/2004 4:06:00 PM	JAKE_041007A	
Hexachlorobutadiene	ND		20.0	ppbv	10			
m,p-Xylene	ND		40.0	ppbv	10			
Methyl tert-butyl ether	ND		20.0	ppbv	10			
Methylene chloride	ND		20.0	ppbv	10			
o-Xylene	ND		20.0	ppbv	10			
Styrene	ND		20.0	ppbv	10			
Tetrachloroethene	ND		20.0	ppbv	10			
Toluene	ND		20.0	ppbv	10			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix o r extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds *Maximum* Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Lab Order: 0410056
Project: FF/NN Landfill
Lab ID: 0410056-01A

Client Sample ID: GP-1
Alt. Client ID:
Collection Date: 9/29/2004 3:40:00 PM % Moist:
Sample Type: SAMP Matrix: Air Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A Method: EPATO14 Prep Method: NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,2-Dichloroethene	ND		20.0	ppbv	10			
trans-1,3-Dichloropropene	ND		20.0	ppbv	10			
Trichloroethene	ND		20.0	ppbv	10			
Trichlorofluoromethane	ND		20.0	ppbv	10			
Vinyl chloride	ND		20.0	ppbv	10			
Xylenes, Total	ND		60.0	ppbv	10			
Surr: 1,2-Dichloroethane-d4	96		80 - 120	%REC	10	10/7/2004 4:06:00 PM	JAKE_041007A	RMJ
Surr: 4-Bromofluorobenzene	104		80 - 120	%REC	10			
Surr: Toluene-d8	107		80 - 120	%REC	10			

Definitions:

- – Recovery outside QC limits
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- DF - Dilution Factor
- DNI - Did not Ignite
- E - Result above quantitation limit (high standard or ICP linear range).
- H - Value Exceeds Maximum Contaminant Level
- J - Estimated value
- M - Matrix Spike Recovery outside limits
- N - Single Column Analysis
- NC - Not Calculated
- ND - Not Detected at the Reporting Limit
- P - Petroleum Pattern is not present
- P - Post Spike Recovery outside limits
- R - RPD outside recovery limits

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Client Sample ID: GP-2
Lab Order: 0410056
Alt. Client ID:
Project: FF/NN Landfill
Collection Date: 9/29/2004 2:05:00 PM **% Moist:**
Lab ID: 0410056-02A **Sample Type:** SAMP **Matrix:** Air **Test Code:** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method:** EPATO14 **Prep Method:** NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		20.0	ppbv	10	10/7/2004 8:31:00 PM	JAKE_041007A	RMJ
1,1,2,2-Tetrachloroethane	ND		20.0	ppbv	10			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	ppbv	10			
1,1,2-Trichloroethane	ND		20.0	ppbv	10			
1,1-Dichloroethane	ND		20.0	ppbv	10			
1,1-Dichloroethene	ND		20.0	ppbv	10			
1,2,4-Trichlorobenzene	ND		20.0	ppbv	10			
1,2,4-Trimethylbenzene	ND		20.0	ppbv	10			
1,2-Dibromoethane	ND		20.0	ppbv	10			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	220		20.0	ppbv	10			
1,2-Dichlorobenzene	ND		20.0	ppbv	10			
1,2-Dichloroethane	ND		20.0	ppbv	10			
1,2-Dichloropropane	ND		20.0	ppbv	10			
1,3,5-Trimethylbenzene	ND		20.0	ppbv	10			
1,3-Dichlorobenzene	ND		20.0	ppbv	10			
1,4-Dichlorobenzene	ND		20.0	ppbv	10			
Benzene	61.1		20.0	ppbv	10			
Benzyl chloride	ND		20.0	ppbv	10			
Bromomethane	ND		20.0	ppbv	10			
Carbon tetrachloride	ND		20.0	ppbv	10			
Chlorobenzene	58.1		20.0	ppbv	10			
Chloroethane	70.6		20.0	ppbv	10			
Chloroform	ND		20.0	ppbv	10			
Chloromethane	73.0		20.0	ppbv	10			
cis-1,2-Dichloroethene	343		20.0	ppbv	10			
cis-1,3-Dichloropropene	ND		20.0	ppbv	10			
Dichlorodifluoromethane	347		20.0	ppbv	10			
Ethylbenzene	ND		20.0	ppbv	10			
Hexachlorobutadiene	ND		20.0	ppbv	10			
m,p-Xylene	ND		40.0	ppbv	10			
Methyl tert-butyl ether	ND		20.0	ppbv	10			
Methylene chloride	ND		20.0	ppbv	10			
o-Xylene	ND		20.0	ppbv	10			
Styrene	ND		20.0	ppbv	10			
Tetrachloroethene	23.1		20.0	ppbv	10			
Toluene	ND		20.0	ppbv	10			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
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International Specialists in Environmental Analysis

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill
Lab ID: 0410056-02A

Client Sample ID: GP-2
Alt. Client ID:
Collection Date: 9/29/2004 2:05:00 PM
% Moist:
Sample Type: SAMP
Matrix: Air
Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A
Method: EPATO14
Prep Method: NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,2-Dichloroethene	22.5		20.0	ppbv	10			
trans-1,3-Dichloropropene	ND		20.0	ppbv	10			
Trichloroethene	72.8		20.0	ppbv	10			
Trichlorofluoromethane	ND		20.0	ppbv	10			
Vinyl chloride	410		20.0	ppbv	10			
Xylenes, Total	ND		60.0	ppbv	10			
Surr:1,2-Dichloroethane-d4	93		80 - 120	%REC	10	10/7/2004 8:31:00 PM	JAKE_041007A	RMJ
Surr:4-Bromofluorobenzene	100		80 - 120	%REC	10			
Surr:Toluene-d8	105		80 - 120	%REC	10			

Definitions:

- Recovery outside QC limits
- Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- P - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc. **Client Sample ID:** GP-3
Lab Order: 0410056 **Alt. Client ID:**
Project: FF/NN Landfill **Collection Date:** 9/29/2004 12:30:00 P **% Moist:**
Lab ID: 0410056-03A **Sample Type:** SAMP **Matrix:** Air **Test Code:** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method:** EPATO14 **Prep Method:** NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		50.0	ppbv	25	10/7/2004 6:38:00 PM	JAKE_041007A	RMJ
1,1,2,2-Tetrachloroethane	ND		50.0	ppbv	25			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	ppbv	25			
1,1,2-Trichloroethane	ND		50.0	ppbv	25			
1,1-Dichloroethane	ND		50.0	ppbv	25			
1,1-Dichloroethene	110		50.0	ppbv	25			
1,2,4-Trichlorobenzene	ND		50.0	ppbv	25			
1,2,4-Trimethylbenzene	ND		50.0	ppbv	25			
1,2-Dibromoethane	ND		50.0	ppbv	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	131		50.0	ppbv	25			
1,2-Dichlorobenzene	ND		50.0	ppbv	25			
1,2-Dichloroethane	ND		50.0	ppbv	25			
1,2-Dichloropropane	ND		50.0	ppbv	25			
1,3,5-Trimethylbenzene	ND		50.0	ppbv	25			
1,3-Dichlorobenzene	ND		50.0	ppbv	25			
1,4-Dichlorobenzene	ND		50.0	ppbv	25			
Benzene	102		50.0	ppbv	25			
Benzyl chloride	ND		50.0	ppbv	25			
Bromomethane	ND		50.0	ppbv	25			
Carbon tetrachloride	ND		50.0	ppbv	25			
Chlorobenzene	ND		50.0	ppbv	25			
Chloroethane	689		50.0	ppbv	25			
Chloroform	ND		50.0	ppbv	25			
Chloromethane	ND		50.0	ppbv	25			
cis-1,2-Dichloroethene	6660		1600	ppbv	800	10/8/2004 5:55:00 PM	JAKE_041008A	
cis-1,3-Dichloropropene	ND		50.0	ppbv	25	10/7/2004 6:38:00 PM	JAKE_041007A	
Dichlorodifluoromethane	909		50.0	ppbv	25			
Ethylbenzene	ND		50.0	ppbv	25			
Hexachlorobutadiene	ND		50.0	ppbv	25			
m,p-Xylene	ND		100	ppbv	25			
Methyl tert-butyl ether	ND		50.0	ppbv	25			
Methylene chloride	ND		50.0	ppbv	25			
o-Xylene	ND		50.0	ppbv	25			
Styrene	ND		50.0	ppbv	25			
Tetrachloroethene	ND		50.0	ppbv	25			
Toluene	ND		50.0	ppbv	25			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Lab Order: 0410056
Project: FF/NN Landfill
Lab ID: 0410056-03A Sample Type: SAMP Matrix: Air

Client Sample ID: GP-3
Alt. Client ID:
Collection Date: 9/29/2004 12:30:00 P % Moist:
Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A Method: EPATO14 Prep Method: NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,2-Dichloroethene	229		50.0	ppbv	25			
trans-1,3-Dichloropropene	ND		50.0	ppbv	25			
Trichloroethene	205		50.0	ppbv	25			
Trichlorofluoromethane	ND		50.0	ppbv	25			
Vinyl chloride	25400		1600	ppbv	800	10/8/2004 5:55:00 PM	JAKE_041008A	
Xylenes, Total	ND		150	ppbv	25	10/7/2004 6:38:00 PM	JAKE_041007A	
Surr:1,2-Dichloroethane-d4	89		80 - 120	%REC	25	10/7/2004 6:38:00 PM	JAKE_041007A	RMJ
Surr:4-Bromofluorobenzene	101		80 - 120	%REC	25			
Surr:Toluene-d8	102		80 - 120	%REC	25			

Definitions:

- Recovery outside QC limits
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D - Diluted due to matrix or extended target compounds
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ND - Not Detected at the Reporting Limit
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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Client Sample ID: LH-1
Lab Order: 0410056
Alt. Client ID:
Project: FF/NN Landfill
Collection Date: 9/29/2004 5:30:00 PM **% Moist:**
Lab ID: 0410056-04A **Sample Type:** SAMP **Matrix:** Air **Test Code:** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method:** EPATO14 **Prep Method:** NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		4.00	ppbv	2	10/8/2004 3:32:00 PM	JAKE_041008A	RMJ
1,1,2,2-Tetrachloroethane	ND		4.00	ppbv	2			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.00	ppbv	2			
1,1,2-Trichloroethane	ND		4.00	ppbv	2			
1,1-Dichloroethane	ND		4.00	ppbv	2			
1,1-Dichloroethene	ND		4.00	ppbv	2			
1,2,4-Trichlorobenzene	ND		4.00	ppbv	2			
1,2,4-Trimethylbenzene	ND		4.00	ppbv	2			
1,2-Dibromoethane	ND		4.00	ppbv	2			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.50		4.00	ppbv	2			
1,2-Dichlorobenzene	ND		4.00	ppbv	2			
1,2-Dichloroethane	ND		4.00	ppbv	2			
1,2-Dichloropropane	ND		4.00	ppbv	2			
1,3,5-Trimethylbenzene	ND		4.00	ppbv	2			
1,3-Dichlorobenzene	ND		4.00	ppbv	2			
1,4-Dichlorobenzene	ND		4.00	ppbv	2			
Benzene	ND		4.00	ppbv	2			
Benzyl chloride	ND		4.00	ppbv	2			
Bromomethane	ND		4.00	ppbv	2			
Carbon tetrachloride	ND		4.00	ppbv	2			
Chlorobenzene	ND		4.00	ppbv	2			
Chloroethane	9.06		4.00	ppbv	2			
Chloroform	ND		4.00	ppbv	2			
Chloromethane	ND		4.00	ppbv	2			
cis-1,2-Dichloroethene	ND		4.00	ppbv	2			
cis-1,3-Dichloropropene	ND		4.00	ppbv	2			
Dichlorodifluoromethane	70.8		4.00	ppbv	2			
Ethylbenzene	ND		4.00	ppbv	2			
Hexachlorobutadiene	ND		4.00	ppbv	2			
m,p-Xylene	ND		8.00	ppbv	2			
Methyl tert-butyl ether	ND		4.00	ppbv	2			
Methylene chloride	ND		4.00	ppbv	2			
o-Xylene	ND		4.00	ppbv	2			
Styrene	ND		4.00	ppbv	2			
Tetrachloroethene	ND		4.00	ppbv	2			
Toluene	ND		4.00	ppbv	2			

Definitions:

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Cooper Industries, Inc.
Lab Order: 0410056
Project: FF/NN Landfill
Lab ID: 0410056-04A Sample Type: SAMP Matrix: Air

Client Sample ID: LH-1
Alt. Client ID:
Collection Date: 9/29/2004 5:30:00 PM % Moist:
Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A Method: EPATO14 Prep Method: NA

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,2-Dichloroethene	ND		4.00	ppbv	2			
trans-1,3-Dichloropropene	ND		4.00	ppbv	2			
Trichloroethene	ND		4.00	ppbv	2			
Trichlorofluoromethane	ND		4.00	ppbv	2			
Vinyl chloride	ND		4.00	ppbv	2			
Xylenes, Total	ND		12.0	ppbv	2			
Surr:1,2-Dichloroethane-d4	105		80 - 120	%REC	2	10/8/2004 3:32:00 PM	JAKE_041008A	RMJ
Surr:4-Bromofluorobenzene	104		80 - 120	%REC	2			
Surr:Toluene-d8	100		80 - 120	%REC	2			

Definitions:

- Recovery outside QC limits
- F - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- P - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT
Sample Duplicate

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: **ppbv**

Sample ID: **0410056-04A** Client Sample ID: **LH-1** DF: 2 DL_No: 1

Run Batch ID: **JAKE_041008A** SeqNo: 1041989 Analysis Date: **10/8/2004 4:10:00 PM** Prep Batch ID: **041008402r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	0.3000	4.000		0				0.0	20	
1,1,2,2-Tetrachloroethane	ND	0.3580	4.000		0				0.0	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.4020	4.000		0				0.0	20	
1,1,2-Trichloroethane	ND	0.2560	4.000		0				0.0	20	
1,1-Dichloroethane	ND	0.1740	4.000		0				0.0	20	
1,1-Dichloroethene	ND	0.4000	4.000		0				0.0	20	
1,2,4-Trichlorobenzene	ND	1.050	4.000		0				0.0	20	
1,2,4-Trimethylbenzene	ND	0.7880	4.000		0				0.0	20	
1,2-Dibromoethane	ND	0.2300	4.000		0				0.0	20	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.538	0.4280	4.000		9.500				0.4	20	
1,2-Dichlorobenzene	ND	0.5640	4.000		0				0.0	20	
1,2-Dichloroethane	ND	0.1640	4.000		0				0.0	20	
1,2-Dichloropropane	ND	0.1810	4.000		0				0.0	20	
1,3,5-Trimethylbenzene	ND	0.6600	4.000		0				0.0	20	
1,3-Dichlorobenzene	ND	0.5600	4.000		0				0.0	20	
1,4-Dichlorobenzene	ND	0.6060	4.000		0				0.0	20	
Benzene	ND	0.2100	4.000		0				0.0	20	
Benzyl chloride	ND	0.2160	4.000		0				0.0	20	
Bromomethane	ND	0.1830	4.000		0				0.0	20	
Carbon tetrachloride	ND	0.3040	4.000		0				0.0	20	
Chlorobenzene	ND	0.1800	4.000		0				0.0	20	

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R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT

Sample Duplicate

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: **ppbv**

Sample ID: **0410056-04A** Client Sample ID: **LH-1** DF: 2 DL_No: 1

Run Batch ID: **JAKE_041008A** SeqNo: **1041989** Analysis Date: **10/8/2004 4:10:00 PM** Prep Batch ID: **041008402r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Chloroethane	8.826	0.4900	4.000		9.056				2.6	20	
Chloroform	ND	0.3380	4.000		0				0.0	20	
Chloromethane	ND	0.1260	4.000		0				0.0	20	
cis-1,2-Dichloroethene	ND	0.3160	4.000		0				0.0	20	
cis-1,3-Dichloropropene	ND	0.2380	4.000		0				0.0	20	
Dichlorodifluoromethane	70.84	0.3480	4.000		70.85				0.0	20	
Ethylbenzene	ND	0.2200	4.000		0				0.0	20	
Hexachlorobutadiene	ND	0.6480	4.000		0				0.0	20	
m,p-Xylene	ND	0.6240	8.000		0				0.0	20	
Methyl tert-butyl ether	ND	0.2340	4.000		0				0.0	20	
Methylene chloride	ND	0.3980	4.000		0				0.0	20	
o-Xylene	ND	0.2640	4.000		0				0.0	20	
Styrene	ND	0.2860	4.000		0				0.0	20	
Tetrachloroethene	ND	0.3520	4.000		0				0.0	20	
Toluene	ND	0.2060	4.000		0				0.0	20	
trans-1,2-Dichloroethene	ND	0.4120	4.000		0				0.0	20	
trans-1,3-Dichloropropene	ND	0.2960	4.000		0				0.0	20	
Trichloroethene	ND	0.2740	4.000		0				0.0	20	
Trichlorofluoromethane	ND	0.6940	4.000		0				0.0	20	
Vinyl chloride	ND	0.1770	4.000		0				0.0	20	
Xylenes, Total	ND	0.8760	12.00		0				0.0	20	

Qualifier Definitions:

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Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT
Sample Duplicate

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: ppbv

Sample ID: 0410056-04A Client Sample ID: LH-1 DF: 2 DL_No: 1

Run Batch ID: JAKE_041008A SeqNo: 1041989 Analysis Date: 10/8/2004 4:10:00 PM Prep Batch ID: 041008402r Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
S 1,2-Dichloroethane-d4	20.98	0	0	20.00	0	105	80	120	0.0	0	
S 4-Bromofluorobenzene	19.38	0	0	20.00	0	97	80	120	0.0	0	
S Toluene-d8	19.94	0	0	20.00	0	100	80	120	0.0	0	

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: ppbv

Sample ID: MB-1829-50-2 Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: JAKE_041007A SeqNo: 1041986 Analysis Date: 10/7/2004 3:15:00 PM Prep Batch ID: 041007401r Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	0.1500	2.000								
1,1,2,2-Tetrachloroethane	ND	0.1790	2.000								
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2010	2.000								
1,1,2-Trichloroethane	ND	0.1280	2.000								
1,1-Dichloroethane	ND	0.08680	2.000								
1,1-Dichloroethene	ND	0.2000	2.000								
1,2,4-Trichlorobenzene	ND	0.5260	2.000								
1,2,4-Trimethylbenzene	ND	0.3940	2.000								
1,2-Dibromoethane	ND	0.1150	2.000								
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.2140	2.000								
1,2-Dichlorobenzene	ND	0.2820	2.000								
1,2-Dichloroethane	ND	0.08200	2.000								
1,2-Dichloropropane	ND	0.09050	2.000								
1,3,5-Trimethylbenzene	ND	0.3300	2.000								
1,3-Dichlorobenzene	ND	0.2800	2.000								
1,4-Dichlorobenzene	ND	0.3030	2.000								
Benzene	ND	0.1050	2.000								
Benzyl chloride	ND	0.1080	2.000								
Bromomethane	ND	0.09150	2.000								
Carbon tetrachloride	ND	0.1520	2.000								
Chlorobenzene	ND	0.09020	2.000								

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A

Test Code: *1_TO14_A* Units: ppbv

Sample ID: **MB-1829-50-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **JAKE_041007A** SeqNo: **1041986** Analysis Date: **10/7/2004 3:15:00 PM** Prep Batch ID: **041007401r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Chloroethane	ND	0.2450	2.000								
Chloroform	ND	0.1690	2.000								
Chloromethane	ND	0.06290	2.000								
cis-1,2-Dichloroethene	ND	0.1580	2.000								
cis-1,3-Dichloropropene	ND	0.1190	2.000								
Dichlorodifluoromethane	ND	0.1740	2.000								
Ethylbenzene	ND	0.1100	2.000								
Hexachlorobutadiene	ND	0.3240	2.000								
m,p-Xylene	ND	0.3120	4.000								
Methyl tert-butyl ether	ND	0.1170	2.000								
Methylene chloride	ND	0.1990	2.000								
o-Xylene	ND	0.1320	2.000								
Styrene	ND	0.1430	2.000								
Tetrachloroethene	ND	0.1760	2.000								
Toluene	ND	0.1030	2.000								
trans-1,2-Dichloroethene	ND	0.2060	2.000								
trans-1,3-Dichloropropene	ND	0.1480	2.000								
Trichloroethene	ND	0.1370	2.000								
Trichlorofluoromethane	ND	0.3470	2.000								
Vinyl chloride	ND	0.08840	2.000								
Xylenes, Total	ND	0.4380	6.000								

Qualifier Definitions:

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DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
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Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

CLIENT: Cooper Industries, Inc.
Work Order: 0410056
Project: FF/NN Landfill

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: ppbv

Sample ID: **MB-1829-50-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **JAKE_041007A** SeqNo: **1041986** Analysis Date: **10/7/2004 3:15:00 PM** Prep Batch ID: **041007401r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
S 1,2-Dichloroethane-d4	10.10	0	0			101	80	120			
S 4-Bromofluorobenzene	10.22	0	0			102	80	120			
S Toluene-d8	10.17	0	0			102	80	120			

Qualifier Definitions:

* - Recovery outside QC limits
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Project: FF/NN Landfill

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: **ppbv**

Sample ID: **MB-1829-52-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **JAKE_041008A** SeqNo: **1041992** Analysis Date: **10/8/2004 2:41:00 PM** Prep Batch ID: **041008402r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	0.1500	2.000								
1,1,2,2-Tetrachloroethane	ND	0.1790	2.000								
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2010	2.000								
1,1,2-Trichloroethane	ND	0.1280	2.000								
1,1-Dichloroethane	ND	0.08680	2.000								
1,1-Dichloroethene	ND	0.2000	2.000								
1,2,4-Trichlorobenzene	ND	0.5260	2.000								
1,2,4-Trimethylbenzene	ND	0.3940	2.000								
1,2-Dibromoethane	ND	0.1150	2.000								
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.2140	2.000								
1,2-Dichlorobenzene	ND	0.2820	2.000								
1,2-Dichloroethane	ND	0.08200	2.000								
1,2-Dichloropropane	ND	0.09050	2.000								
1,3,5-Trimethylbenzene	ND	0.3300	2.000								
1,3-Dichlorobenzene	ND	0.2800	2.000								
1,4-Dichlorobenzene	ND	0.3030	2.000								
Benzene	ND	0.1050	2.000								
Benzyl chloride	ND	0.1080	2.000								
Bromomethane	ND	0.09150	2.000								
Carbon tetrachloride	ND	0.1520	2.000								
Chlorobenzene	ND	0.09020	2.000								

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QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: **ppbv**

Sample ID: **MB-1829-52-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **JAKE_041008A** SeqNo: **1041992** Analysis Date: **10/8/2004 2:41:00 PM** Prep Batch ID: **041008402r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Chloroethane	ND	0.2450	2.000								
Chloroform	ND	0.1690	2.000								
Chloromethane	ND	0.06290	2.000								
cis-1,2-Dichloroethene	ND	0.1580	2.000								
cis-1,3-Dichloropropene	ND	0.1190	2.000								
Dichlorodifluoromethane	ND	0.1740	2.000								
Ethylbenzene	ND	0.1100	2.000								
Hexachlorobutadiene	ND	0.3240	2.000								
m,p-Xylene	ND	0.3120	4.000								
Methyl tert-butyl ether	ND	0.1170	2.000								
Methylene chloride	ND	0.1990	2.000								
o-Xylene	ND	0.1320	2.000								
Styrene	ND	0.1430	2.000								
Tetrachloroethene	ND	0.1760	2.000								
Toluene	ND	0.1030	2.000								
trans-1,2-Dichloroethene	ND	0.2060	2.000								
trans-1,3-Dichloropropene	ND	0.1480	2.000								
Trichloroethene	ND	0.1370	2.000								
Trichlorofluoromethane	ND	0.3470	2.000								
Vinyl chloride	ND	0.08840	2.000								
Xylenes, Total	ND	0.4380	6.000								

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QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A Test Code: *1_TO14_A* Units: **ppbv**

Sample ID: **MB-1829-52-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **JAKE_041008A** SeqNo: **1041992** Analysis Date: **10/8/2004 2:41:00 PM** Prep Batch ID: **041008402r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
S 1,2-Dichloroethane-d4	10.03	0	0			100	80	120			
S 4-Bromofluorobenzene	10.17	0	0			102	80	120			
S Toluene-d8	10.03	0	0			100	80	120			

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