STATUS REPORT
THIRD QUARTER 2018 SAMPLING EVENT
FF/NN LANDFILL NPL SITE
Ripon, Wisconsin

Prepared for:

FF/NN Landfill PRP Group
c/o BSI Services and Solutions East, Inc.
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October 26, 2018

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1. SITE INFORMATION AND CONTACTS

CONTRACT SF-92-01

Contract between the Wisconsin Department of Natural Resources (WDNR) and the FF/NN Landfill Group dated August 7, 1992.

SITE NAME/ACTIVITY:

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

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

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October 26, 2018

2. FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 12 Layer 3 and Layer 4 monitoring wells by Tetra Tech on August 2, 2018. The Layer 3 water levels were collected to evaluate the groundwater flow direction in Layer 3. Water levels in Layer 4 wells were collected to evaluate groundwater flow direction in Layer 4. The water levels were measured consecutively to minimize effects from municipal pumping.

- A total of 12 monitoring wells were sampled for volatile organic compounds (VOCs) by Tetra Tech during the Third Quarter 2018 event. One duplicate sample was collected for quality control. The revised groundwater monitoring program as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (Attachment E) from the Wisconsin Department of Natural Resources (WDNR) was followed for this sampling event (Attachment E). Samples were collected from the wells listed as quarterly in the WDNR conditional approval letter.

- McKala Kiessling, from the City of Ripon, conducted biweekly landfill gas monitoring of the extraction system exhaust, vent GV-6, probe GP-1 and wells LC-1, LC-2 and LC-3 for this quarterly report.

- All monitoring well, piezometer, gas probe, and gas vent locations and elevations were resurveyed by Wisconsin Land Surveying, Inc on September 4, 2018. The elevation and location data in this report are relative to the updated survey. The revised Well Information Form (WIF) is provided in Attachment F.

3. RESULTS OF FIELD ACTIVITIES

3.1. Groundwater Monitoring Event – Groundwater Elevations

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

For the Third Quarter 2018 sampling event, groundwater elevations were measured in 12 monitoring wells by Ashley Wagner from Tetra Tech on August 2, 2018. The Layer 3 water levels were collected to evaluate the groundwater flow direction in Layer 3. Water levels in Layer 4 wells were collected to evaluate groundwater flow in Layer 4. The groundwater elevations were measured consecutively to limit potential effects from municipal pumping. The elevations are provided in Table 1 and shown on Figures 3 and 4. Each layer is discussed separately below.

Groundwater elevations in all 28 monitoring wells are measured annually during the April sampling event.

3.1.1. Layer 3 Wells – Piezometers in Sandstone Bedrock

Layer 3 contains nine wells with screen elevations ranging from 634 feet to 704 feet MSL. Monitoring wells P-117 and P-118 are grouped within this layer. The groundwater potentiometric surface for this layer is displayed on Figure 3 and Chart 3. Compared to the Third Quarter 2017 event, the water levels that were measured decreased in all the wells that have historical data. The water levels decreased an average of 1.74 feet ranging from 1.03 feet in P-111D to 1.36 feet in MW-3B and P-115.

Historically, the groundwater flow direction in this layer has been to the southwest and becomes west-southwest further downgradient. The Third Quarter 2018 groundwater flow direction is consistent with the historical results. Monitoring well P-118 is the furthest downgradient Layer 3 monitoring well.

3.1.2. Layer 4 Wells – Piezometers in Sandstone or Granitic Bedrock

Layer 4 contains three wells with screen elevations ranging from 505 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill. The groundwater potentiometric surface for this layer is displayed on Figure 4 and Chart 4. Compared to the Second Quarter 2017 event, the water levels decreased in all the wells; P-107D by 2.18 feet, P-113A by 2.44 feet, and MW-3A by 3.24 feet.

When pumping at the City of Ripon Municipal Well # 9 was terminated in May 2007, the flow direction in Layer 4 shifted from the southeast to the west. The City brought Well # 9 back on line in April 2010. The City of Ripon occasionally does not pump from Well #9, which influences the groundwater flow direction in Layer 4. The Third Quarter 2018 groundwater flow direction was to the southeast indicating that Well #9 was likely pumping

at the time of measurements. The City of Ripon confirmed water was being pumped from Well #9 on August 2, 2018.

3.2. Groundwater Monitoring Event - Monitoring Well Sampling

The revised groundwater monitoring program as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) from WDNR was followed for this sampling event. Samples designated as annual in the April 18, 2013 approval letter, as amended, were collected during the Third Quarter sampling event.

The groundwater samples were analyzed by CT Laboratories for VOCs using Environmental Protection Agency (EPA) Method 8260C to achieve lower detection limits as requested by the WDNR. It should be noted that because of the change in the analytical method to attain lower detection limits, some additional compounds have been detected compared to past results; however, none of these additional compounds were detected at levels exceeding groundwater quality standards. Analytical results and field forms for the Third Quarter 2018 event are provided in Attachments B and C, respectively. The VOC analytical results for the monitoring wells are tabulated in Table 2. The temporal trends of chlorinated VOC concentrations in wells sampled during this event are provided in attached charts.

Natural attenuation parameters were measured on water removed from selected wells as identified in the April 18, 2013 conditional approval letter, as amended, from WDNR during the Third Quarter 2018 sampling event. Dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH and conductivity were measured using a QED MP20 MicroPurge Flow Cell Meter. Iron II was measured in the field using Parachem Reagents (Ferrous Iron Reagent pillow powders, Method 8008) for colorimetry analysis using a Hach DR900 multi-parameter colorimeter. Historic and current natural attenuation parameters are presented in Table 3.

The contaminants of concern (COCs) at the Site are trichloroethylene (TCE) and its dechlorination byproducts, cis-1,2-dichlorothene (1,2-DCE) and vinyl chloride (VC). VC is the only compound detected at concentrations that exceed the Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES). The ES for VC is 0.2 micrograms per liter (ug/L). The following sections present a summary of the Third Quarter 2018 VOC analytical results as they relate to groundwater standards for each well that was sampled. To better track impacts at various depths, the results are organized according to the four stratigraphic groupings of wells as presented in Attachment A.

3.2.1. Layer 1 Wells – Water Table Wells in Unconsolidated Sand & Gravel

- No Layer 1 wells were sampled during the Third Quarter 2018 event.

3.2.2. Layer 2 Wells – Piezometers in Unconsolidated Sand & Silt

- No Layer 2 wells were sampled during the Third Quarter 2018 event.

3.2.3. Layer 3 Wells – Piezometers in Sandstone Bedrock

- P-103D (Chart 53):
  - 1,2-DCE was detected at a concentration of 0.27 ug/L, which is below its ES of 70 ug/L.
  - VC was detected at a concentration of 0.19 ug/L, which is below its ES of 0.2 ug/L.
  - TCE was detected at a concentration of 0.089 ug/L, which is below its ES of 5.0 ug/L.
  - The 1,2-DCE concentration trend appears to be increasing, while the VC concentration has been decreasing since the startup of the active gas control system in 2006. Because of the lower detection limit, this is the second time TCE has been detected in samples collected from this well since before startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Benzene was detected at a concentration of 0.031ug/L, which is below its ES.

- P-111D (Chart 54):
  - VC was detected at a concentration of 3.8 ug/L, which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 2.7 ug/L, which is below its ES.
  - The VC concentration trend has been decreasing, while 1,2-DCE concentration trend has been increasing, since the startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Chloroethane was detected at a concentration of 0.96 ug/L, which is below its ES of 400 ug/L.
    - Chloromethane was detected at a concentration of 0.048 ug/L, which is below its ES of 3 ug/L.

- MW-3B (Chart 55):
  - VC was detected at a concentration of 0.038 ug/L which is below its ES.
  - No COCs have been detected since the startup of the active gas control system in 2006, except for VC, which was detected at concentrations greater than its ES in 2008 and below its ES in 2018.

- P-113B:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2002).

- P-114 (Chart 57):
  - VC was detected at a concentration of 6.2 ug/L (6.0 ug/L in duplicate sample), which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 1.6 ug/L (1.6 ug/L in duplicate sample), which is below its ES.
  - The VC concentration trend has decreased since the startup of the active gas control system in 2006 and has been relatively stable since 2011. The 1,2-

DCE concentration trend has been stable since the startup of the active gas control system in 2006.
    - Other non-COCs detected include the following:
        - Chloroethane was detected at a concentration of 0.44 (0.28 ug/L in the duplicate sample), which is below its ES.

- P-115 (Chart 58):
    - VC was detected at a concentration of 0.97 ug/L, which exceeds its ES.
    - 1,2-DCE was detected at an estimated concentration of 0.14 ug/L, which is below its ES.
    - The VC concentration trend appears to be increasing since the startup of the active gas control in 2006 but has been relatively stable since 2010. Because of the lower detection limit, this is the second time 1,2-DCE has been detected in samples collected from this well since it was installed in 2001.

- P-116:
    - No detection of any COC.
    - No COCs have ever been detected in this well (installed in 2001).

- P-117 (Chart 60):
    - VC was detected at a concentration of 1.2 ug/L, which exceeds its ES.
    - 1,2-DCE was detected at a concentration of 0.87 ug/L, which is below its ES.
    - TCE was detected at a concentration of 0.058 ug/L, which is below its ES.
    - This well was installed in November 2016, and the Third Quarter 2018 results are similar to the previous quarterly results.
    - Other non-COCs detected include the following:
        - Benzene was detected at a concentration of 0.020 ug/L, which is below its ES.
        - Chloroethane was detected at a concentration of 0.30 ug/L, which is below its ES.

- P-118:
    - VC was detected at a concentration of 0.070 ug/L, which is below its ES.
    - This is the first time that any COC has ever been detected in this well. This is the fourth time this well has been sampled since it was installed in August 2017.

3.2.4. Layer 4 Wells – Piezometers in Sandstone or Granitic Bedrock

- MW-3A:
    - No detection of any COC.
    - No COCs have ever been detected in this well (installed in 2002).

- P-107D (Chart 63):
    - VC was detected at a concentration of 1.6 ug/L, which exceeds its ES.

  - 1,2-DCE was detected at a concentration of 0.55 ug/L, which is below its ES.
  - The VC concentration trend has been decreasing, while 1,2-DCE has remained relatively stable since the startup of the active gas control in 2006.
  - Other non-COCs detected include the following:
    - Chloroethane was detected at a concentration of 0.35 ug/L, which is below its ES.

- P-113A:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2002).

3.2.5. Natural Attenuation Parameters

Both TCE and 1,2-DCE have reductively dechlorinated under anaerobic conditions to the byproduct VC. Because VC is the sole remaining contaminant of concern exceeding the ES and because VC reduction is most commonly an aerobic process via direct oxidation, monitored natural attenuation (MNA) parameters were measured to evaluate whether oxidative conditions exist in the groundwater. Based on EPA guidance (Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater 1998), iron II was measured as indirect evidence of natural attenuation in aerobic environments. The results of the MNA sampling are shown on Table 3 and continue to indicate that the aquifer is marginally aerobic. Where present, VC concentrations show either stable or declining trends confirming that natural attenuation is occurring.

3.3. Groundwater Monitoring Event - Private Drinking Water Well Sampling

Historically, samples have been collected from eight private drinking water wells. The Miller and Altnau private wells were abandoned in November 2002. The Ehster, Wiese, and Hadel private wells were converted into monitoring wells P-114, P-115, and P-116, respectively, and continue to be sampled as monitoring wells (Section 3.1.3). The Gaastra and Perry wells were disconnected from each home's internal water piping and now just supply the outside faucets. The WDNR determined that the Gaastra and Perry private water supply wells were not appropriate for groundwater monitoring because the long open intervals did not meet the monitoring well screen specification requirements of NR 141.09 (well screens no longer than 5 feet for piezometers); therefore, these well are no longer sampled. The Rohde well is the only private drinking water well currently sampled and is sampled annually during the second quarter.

3.4. Interim LF Gas Extraction System Performance Monitoring

Results of the gas monitoring are presented in Table 6.

Current gas extraction is from shallow vent GV-6 and the three deep leachate wells (LC-1, LC-2 and LC-3). The other vents have remained closed to prevent oxygen levels from increasing above 5%. The following list describes changes made to the system during this monitoring period based on the oxygen levels observed in the extracted landfill gas:

- 8/21/18 – Increase runtime from 2 hours on to 9 hours on so staff could check for leaks at leachate wells.
- 9/14/18 – System shut down by staff for approximately 1 hour to pump approximately 350 gallons of water out of condensate tank. The water was taken to the City of Ripon Waste Water Treatment Plant for disposal.

The gas monitoring results at leachate well LC-1 suggest that a leak may exist. The levels of oxygen, methane and carbon dioxide measured at the well are similar to ambient air. The blower runtime has been adjusted several times to improve capture of the landfill gases at LC-1, but these attempts were unsuccessful. McKala Kiessling, from the City of Ripon, checked for leaks at LC-1 the week of August 20, 2018. With the blower on, soapy water was applied to the outside of all above grade portions of the well and its fittings to check for air leaks. No leaks were discovered through this method. Further investigation is needed to determine if and where a leak is present.

There were no gas samples collected during this reporting period per the changes in the monitoring plan dated April 18, 2013.

Monitoring of the atmosphere in the gas probes and wells outside the limits of fill indicate that the gas extraction system has controlled gas migration from the fill area since its startup in March 2006. Methane in the gas concentrations in all wells and gas probes beyond the landfill limits have been consistently below the methane lower explosive limit (LEL; 5.0%).

4. UPCOMING ACTIVITIES PLANNED

- Semi-annual groundwater sampling and water level measurements will be conducted during the Fourth Quarter 2018 in accordance with the monitoring program outlined in the April 18, 2013 conditional approval letter, conditional approval letter (as amended on June 8, 2017) from WDNR. Samples will be collected from wells designated as quarterly.
- McKala Kiessling, from the City of Ripon will conduct biweekly landfill gas monitoring of the extraction system vents and wells.
- Evaluate the potential leak and if repairs are needed at LC-1.
- Evaluate monitoring program and recommend adjustments to the WDNR.

5. PERSONNEL

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Ms. Ashley Wagner is the Senior Project Geologist who oversaw the field activities. The laboratory analyses for the Third Quarter 2018 groundwater samples were completed by CT Laboratories in Baraboo, Wisconsin.

TABLES

TOC Elevs measured in Sept. 2018. Move the new TOC elevs after the "Jun-18" column so it will be clearer when the new TOCs are being used.

Supply OLD TOC Elevations. That way, the observed depths to water can be re-calculated from the table.

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	884.73	826.56	824.20	824.04	823.41	824.34			822.08	823.17		
P-101	885.39	826.52	824.24	824.02	823.38	824.33	823.00	820.24	822.04	823.16	822.73	822.66
MW-102	842.90	826.83	825.35	824.29	823.57	824.67	823.26			823.52	823.17	823.19
P-102	842.85	826.89	824.40	824.35	823.64	824.75	823.38	820.77	822.47	823.63	823.25	
MW-103	872.30	823.08	821.77	819.49	820.56			819.22				
P-103	872.74	826.29	826.88	823.88	817.43	824.16	822.89	820.25	821.96	823.11	822.70	822.60
P-103D	872.91	(Installed December 2003)										
MW-104	875.20	826.32	824.12	824.02	823.14	824.13		820.13	823.87			
P-104	875.40	826.47	824.25	824.12	823.26	824.24	822.92	820.25	822.06	823.18	822.70	822.64
MW-106	878.75	826.67	824.21	824.24	820.96	824.61	823.23		822.42	823.45	823.10	822.96
P-106	878.80	826.63	824.09	824.07	823.42	824.51	823.16	820.40	822.33	823.38	823.02	822.89
MW-107	871.69	821.02	820.52	818.76	819.17	819.22		817.04	818.70	819.68		
P-107	871.33	820.86	820.37	818.78	819.07	819.24	818.38	817.14	818.72	819.71	818.62	818.62
P-107D	871.90			819.13	817.47	819.52	818.29	816.77	817.56	817.78	817.34	818.10
MW-108	845.08		819.00	817.85	818.17	818.31				818.48	817.49	
P-108	845.48		822.03	821.09	821.29	821.52	820.55	818.77	820.25	821.18	820.25	820.45
MW-111	856.09			817.58	817.93	818.10	817.29	816.29	817.33	818.30	817.28	817.32
P-111	856.28			817.09	817.43	817.60	816.78	815.75	816.85	817.83	816.79	816.83
P-111D	855.56	(Installed April 2002)										
MW-112	874.70				819.46	819.92	819.02		819.15	820.02	819.20	819.21
P-113A	833.16	(Installed September 2002)										
P-113B	833.16	(Installed September 2002)										
P-114	839.36	(Private well converted to monitoring well in 2003)										
P-115	842.67	(Private well converted to monitoring well in 2004)										
P-116	845.86	(Private well converted to monitoring well in 2004)										
P-117	833.96	(Installed November 2016)										
P-118	826.74	(Installed August 2017)										
MW-3A	850.60	(Water levels taken beginning February 2002)										
MW-3B	850.89	(Water levels taken beginning February 2002)										
LC1	876.15				849.02	847.87	846.99	846.82	846.56		846.27	
LC2	866.05				847.25	842.91	841.20	840.61	838.31	839.29	839.17	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
TOC Elevation = Top of Casing Elevation
Wells were resurveyed on September 5, 2018 and the new TOC elevations are reported.
These changes are reflected beginning with August 2018 elevations.

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

Well Name	May-01	Oct-01	Feb-02	May-02	Aug-02	Oct-02	Dec-02	Apr-03	Oct-03	Feb-04	Apr-04
MW-101	823.13	824.17	823.18	DRY	DRY	NT	DRY	DRY	821.24	NM	822.87
P-101	823.06	824.16	823.19	800.47	814.42	NT	818.91	820.46	821.16	NM	822.86
MW-102		824.38	823.53	818.93	DRY	NT	DRY	820.95	821.57	NM	823.34
P-102	823.39	824.49	823.69	799.84	814.94	NT	819.47	821.08	821.66	NM	823.42
MW-103		821.63	>51.32	819.28	819.34	NT	DRY	DRY	819.61	NM	821.06
P-103	823.02	823.87	823.00	801.70	814.74	NT	819.01	820.52	821.12	NM	822.77
P-103D										820.64	821.89
MW-104		823.88	>51.28	DRY	DRY	NT	DRY	820.37	820.85	NM	822.75
P-104	823.10	824.03	823.12	802.51	814.82	NT	819.05	820.50	821.43	NM	822.82
MW-106	823.34	Dry	823.50	DRY	DRY	NT	DRY	DRY	821.58	NM	823.25
P-106	823.26	824.25	823.39	800.31	814.52	NT	819.18	820.80	821.49	NM	823.17
MW-107	819.36	820.12	>52.5	816.72	DRY	DRY	DRY	817.73	818.35	NM	819.63
P-107	819.35	820.12	818.86	809.86	813.29	NT	816.65	817.74	818.39	NM	819.71
P-107D	819.04	816.61	817.70	811.80	815.35	816.43	816.68	817.26	816.72	NM	818.68
MW-108	818.32	818.62	>27.7	815.44	815.45	NT	815.79	816.20	816.68	NM	817.86
P-108	820.97	822.08	820.66	811.84	815.19	NT	817.83	818.57	819.26	NM	820.52
MW-111	818.15	818.74	817.51	813.43	813.59	NT	815.42	816.14	816.71	NM	818.03
P-111	817.68	818.26	817.04	812.54	812.90	NT	814.90	815.68	816.27	NM	817.59
P-111D				807.70	815.16	816.73	816.22	818.17	817.95	NM	819.55
MW-112	819.87	820.52	822.87	814.38	814.47	NT	816.75	817.87	818.54	NM	819.89
P-113A						816.09	816.39	816.93	816.20	NM	817.91
P-113B						816.68	816.93	817.25	816.58	816.61	818.30
P-114								817.17	816.93	NM	818.55
P-115										NM	818.61
P-116										NM	817.54
P-117											
P-118											
MW-3A			817.24	810.74	815.18	816.11	815.99	816.63	815.67	NM	818.03
MW-3B			819.32	807.37	815.34	817.07	817.54	818.31	817.92	NM	819.79
LC1	846.30	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM	NM	846.45
LC2	839.03	838.92	838.97	838.83	838.98	NT	838.75	839.17	NM	NM	839.27
LC3	845.80	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM	NM	DRY

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

Well Name	Jul-04	Oct-04	Jan-05	Apr-05	Jul-05	Oct-05	Jan-06	Mar-06	Apr-06	Jul-06	Oct-06
MW-101	825.76	823.36	822.85	823.27	821.11	DRY	820.81	NM	821.41	821.29	820.71
P-101	825.76	823.35	822.84	823.26	821.07	820.23	820.75	NM	821.37	821.22	820.69
MW-102	826.08	823.71	823.34	823.66	821.70	820.65	821.33	NM	821.91	821.75	821.15
P-102	826.17	823.79	823.38	823.75	821.48	820.72	821.41	NM	822.06	821.80	821.25
MW-103	824.54	822.24	820.52	821.60	819.70	819.25	819.24	NM	819.36	819.82	818.82
P-103	825.58	823.23	822.78	823.14	821.09	820.26	820.92	NM	821.42	821.33	820.70
P-103D	824.39	822.21	821.89	822.08	820.26	819.23	820.24	NM	820.54	820.43	819.88
MW-104	825.49	823.27	822.75	823.16	821.09	820.34	820.65	NM	821.35	821.16	820.61
P-104	825.61	823.36	822.82	823.21	821.20	820.40	820.79	NM	821.45	821.33	820.76
MW-106	826.07	823.60	823.20	823.61	821.42	DRY	821.24	NM	821.85	821.77	821.10
P-106	825.99	823.50	823.10	823.54	821.31	820.50	821.16	NM	821.72	821.67	820.99
MW-107	823.41	821.20	819.89	820.18	818.69	817.85	817.81	NM	818.03	DRY	817.90
P-107	823.34	821.20	820.91	820.20	818.72	817.84	817.80	NM	818.19	818.59	817.89
P-107D	819.78	817.72	817.65	818.77	815.90	814.85	816.33	816.45	816.89	816.83	816.24
MW-108	820.27	819.00	818.17	818.41	816.95	816.27	816.31	NM	816.70	816.88	816.39
P-108	823.39	821.94	820.84	821.05	819.76	819.13	819.04	NM	819.40	819.65	819.41
MW-111	821.40	819.60	817.39	818.69	817.32	816.51	816.31	NM	816.74	817.14	816.58
P-111	821.01	819.16	816.92	818.19	816.82	816.03	815.84	NM	816.24	816.74	816.09
P-111D	821.82	819.77	819.55	819.55	818.11	817.37	818.40	NM	818.62	818.54	818.26
MW-112	823.17	821.14	820.15	820.50	818.82	818.14	818.31	NM	818.66	818.88	818.20
P-113A	818.17	817.32	817.28	818.35	815.50	814.36	816.40	816.04	816.39	816.54	815.81
P-113B	820.16	818.25	818.13	818.36	816.74	815.47	816.90	NM	817.01	817.57	816.81
P-114	820.44	818.71	818.50	818.76	817.02	816.34	817.28	NM	817.38	817.36	816.86
P-115	820.51	818.71	818.55	818.62	817.05	816.05	817.44	NM	817.56	817.50	817.12
P-116	819.31	817.80	817.47	817.74	816.45	815.48	816.02	NM	816.48	816.34	816.00
P-117											
P-118											
MW-3A	819.73	817.00	817.15	816.84	816.05	814.87	817.98	815.81	816.29	817.51	816.34
MW-3B	822.01	819.66	819.60	819.45	818.44	817.28	819.15	NM	818.86	819.18	818.27
LC1	NM	DRY	DRY	846.39	DRY	NM	NM	NM	843.40	847.60	847.66
LC2	NM	838.89	DRY	839.05	838.89	838.91	839.01	NM	839.47	839.52	838.45
LC3	NM	DRY	DRY	DRY	DRY	NM	NM	NM	845.89	845.87	844.68

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

Well Name	Jan-07	May-07	Aug-07	Oct-07	Jan-08	May-08	Jul-08	Sep-08	Oct-08	Jan-09	Apr-09
MW-101	821.43	822.37	822.22	822.74	822.47	824.5	825.1	822.61	822.63	822.93	824.08
P-101	821.34	822.32	822.18	822.68	822.43	824.49	825.07	822.56	822.59	822.91	824.05
MW-102	821.73	822.85	822.55	822.95	822.95	824.9	825.36	822.77	822.83	823.4	824.49
P-102	821.82	822.90	822.63	823.01	823.03	824.95	825.34	822.74	822.81	823.5	824.57
MW-103	819.47	820.39	820.45	820.78	820.46	822.13	823.95	822.05	821.92	821.19	821.99
P-103	821.39	822.31	822.17	822.63	822.86	824.39	825.02	822.57	822.66	822.97	824.06
P-103D	820.52	821.56	821.495	822.015	821.935	823.885	824.425	822.145	822.265	822.475	823.545
MW-104	821.11	822.17	822.06	822.56	822.25	824.26	824.9	822.54	822.55	822.82	823.92
P-104	821.29	822.29	822.27	822.75	822.44	824.45	825.12	822.78	822.74	822.98	824.06
MW-106	821.78	822.78	822.51	822.76	822.84	824.77	824.98	822.7	822.75	823.31	824.41
P-106	821.62	822.71	822.44	822.7	822.75	824.7	825.25	822.63	822.64	823.25	824.37
MW-107	818.29	818.87	818.97	819.12	818.88	820.34	823.81	821.16	821.04	819.71	820.34
P-107	818.23	818.88	819.01	819.08	818.91	820.27	823.72	821.1	821.09	819.4	820.34
P-107D	817.05	818.27	818.79	819.93	820.32	822.9	823.25	820.9	820.87	820.81	822.24
MW-108	816.64	817.39	817.96	817.99	817.5	819.15	820.42	819.28	819.23	818.16	818.87
P-108	819.40	820.14	821.45	821.33	820.44	822.15	823.57	822.14	822.05	820.87	821.67
MW-111	816.72	817.40	817.44	817.51	NT	818.85	821.08	819.77	819.75	818.21	818.88
P-111	816.23	816.92	816.95	817.01	816.85	818.4	820.72	819.35	819.23	817.77	818.41
P-111D	818.48	819.84	819.44	819.92	820.14	822.09	822.61	820.74	820.79	820.65	821.71
MW-112	818.52	819.24	819.39	819.73	819.41	820.97	822.76	821.08	820.99	820.08	820.83
P-113A	817.29	817.78	818.13	819.42	819.91	822.4	822.8	820.45	820.53	820.34	821.81
P-113B	816.70	818.11	818.26	819.09	819.35	821.36	821.79	820.09	820.1	819.84	820.96
P-114	817.36	818.48	818.14	818.61	819	820.91	821.45	819.79	819.83	819.5	820.51
P-115	817.62	818.72	818.375	818.815	819.185	821.095	821.635	819.965	819.975	819.655	820.725
P-116	816.38	817.47	816.905	817.475	817.755	819.425	820.385	816.805	818.705	818.375	819.155
P-117											
P-118											
MW-3A	817.49	817.68	819.68	820.7	821.15	823.53	823.87	821.57	821.62	821.62	822.96
MW-3B	818.88	819.62	820.24	820.88	821.08	823.09	823.53	821.48	821.5	821.51	822.66
LC1	NM	846.41	NM	NM	NM	845.89	NM	NM	NM	NM	NM
LC2	NM	838.63	NM	NM	NM	837.81	NM	NM	NM	NM	NM
LC3	NM	846.12	NM	NM	NM	845.28	NM	NM	NM	NM	NM

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

Well Name	Jul-09	Oct-09	Feb-10	May-10	Sep-10	Jan-11	Mar-11	Apr-11	Jul-11	Oct-11	Jan-12
MW-101	823.61	822.68	822.2	823.43	823.29	822.19	NM	823.66	824.41	822.45	822.93
P-101	823.6	822.63	822.17	823.37	823.25	822.14	NM	823.6	824.38	822.37	822.87
MW-102	823.85	822.99	822.65	823.77	823.66	822.66	NM	824.1	824.73	822.67	823.36
P-102	824.11	823.05	822.76	823.8	823.71	822.74	NM	824.16	824.79	822.67	823.44
MW-103	821.72	820.83	820.27	821.25	821.32	820.29	NM	821.34	822.45	821.14	820.97
P-103	823.59	822.62	822.24	823.34	823.19	822.26	NM	823.6	824.28	822.34	822.91
P-103D	822.905	822.055	821.705	822.575	822.35	821.81	821.96	822.88	823.26	821.64	822.04
MW-104	823.47	822.53	822.06	823.25	823.12	822.1	NM	823.47	824.19	822.32	822.82
P-104	823.64	822.68	822.22	823.41	823.3	822.26	NM	823.62	824.37	822.53	822.93
MW-106	823.94	822.96	822.61	823.72	823.6	822.57	NM	824.02	824.68	822.58	823.33
P-106	823.9	822.85	822.54	823.64	823.52	822.52	NM	823.94	824.6	822.48	823.24
MW-107	820.25	819.37	818.81	819.59	819.85	818.83	NM	819.76	821.04	820.04	819.96
P-107	820.26	819.34	818.48	819.62	819.82	818.98	NM	819.73	821.02	820.02	819.15
P-107D	820.61	819.98	819.88	819.68	818.85	820.47	819.05	820.29	819.73	818.74	819.38
MW-108	818.58	817.93	817.28	818.27	818.39	817.44	NM	818.51	819.21	818.48	818.11
P-108	821.73	821.06	820.08	821.53	821.66	820.25	NM	821.32	822.51	821.45	820.86
MW-111	818.71	817.87	817.29	818.07	818.3	817.39	NM	818.37	819.45	818.64	818.12
P-111	818.3	817.43	816.86	817.61	817.88	816.96	NM	817.89	819.01	818.18	817.68
P-111D	820.85	820.15	819.91	820.41	820.16	817.15	820.05	820.83	820.9	819.92	820.33
MW-112	820.62	819.76	819.24	820.13	820.24	819.33	NM	820.23	821.36	820.2	819.91
P-113A	820.1	819.4	819.57	819.09	818.24	820.05	818.53	819.67	818.78	818.34	818.72
P-113B	819.81	819.24	819.15	819.27	818.88	819.45	818.97	819.64	819.34	819.04	818.87
P-114	819.6	818.99	818.75	819.12	819	819.09	818.85	819.75	819.67	819	819.16
P-115	819.805	819.145	818.935	819.205	819.13	819.265	819.005	819.855	819.745	819.145	819.265
P-116	818.465	817.755	817.565	818.055	817.85	817.895	817.755	818.845	818.605	817.985	818.125
P-117											
P-118											
MW-3A	821.46	820.87	820.85	819.92	818.91	821.26	819	819.85	819.18	819.74	819.6
MW-3B	821.74	821.06	820.84	821	820.59	821.04	820.35	821.18	821.1	820.65	820.78
LC1	NM	NM	NM	843.73	NM	NM	NM	843.14	NM	NM	NM
LC2	NM	NM	NM	838.96	NM	NM	NM	838.4	NM	NM	NM
LC3	NM	NM	NM	845.67	NM	NM	NM	845.22	NM	NM	NM

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

Well Name	Apr-12	Jul-12	Oct-12	Jan-13	Apr-13	Jul-13	Oct-13	Jan-14	Apr-14	Jul-14	Oct-14
MW-101	823.33	823.56	#REF!	821.99	823.89	NM	NM	NM	822.32	NM	NM
P-101	823.29	823.5	#REF!	821.92	823.88	NM	NM	NM	822.29	NM	NM
MW-102	823.8	823.89	#REF!	822.43	824.38	NM	NM	NM	823.12	NM	NM
P-102	823.86	823.96	#REF!	822.52	824.45	NM	NM	NM	823.02	NM	NM
MW-103	821.24	821.9	#REF!	820.09	821.5	NM	819.91	NM	820.12	NM	820.68
P-103	823.32	823.48	#REF!	822.02	823.88	NM	821.35	NM	822.42	NM	822.55
P-103D	822.47	822.43	#REF!	821.275	823.135	823.24	820.63	820.85	821.69	822.45	821.73
MW-104	823.22	823.4	#REF!	821.87	823.76	NM	NM	NM	822.26	NM	NM
P-104	823.22	823.57	#REF!	822.02	823.87	NM	NM	NM	822.32	NM	NM
MW-106	823.73	823.87	#REF!	822.43	824.3	NM	NM	NM	822.84	NM	NM
P-106	823.64	825.8	#REF!	822.33	824.21	NM	NM	NM	822.75	NM	NM
MW-107	819.77	820.68	#REF!	818.73	819.87	NM	NM	NM	818.78	NM	NM
P-107	819.76	820.7	#REF!	818.71	819.88	NM	NM	NM	818.82	NM	NM
P-107D	819.42	818.1	#REF!	818.02	820.41	820.56	817.57	817.80	818.53	819.74	818.19
MW-108	818.28	818.74	#REF!	817.27	818.74	NM	NM	NM	817.64	NM	NM
P-108	821.01	822.09	#REF!	820.02	821.52	NM	NM	NM	820.12	NM	NM
MW-111	818.32	819.09	#REF!	817.25	818.52	NM	NM	NM	817.49	NM	NM
P-111	817.87	818.67	#REF!	816.81	818.07	NM	NM	NM	817.05	NM	NM
P-111D	820.28	820	#REF!	819.29	821.07	820.97	818.61	818.85	819.88	820.41	819.68
MW-112	820.15	820.8	#REF!	819.15	820.39	NM	819.07	NM	819.18	NM	819.69
P-113A	818.51	817.23	#REF!	817.5	819.83	819.92	816.76	817.32	817.95	819.09	817.68
P-113B	818.71	818.39	#REF!	817.92	820.89	820.02	817.31	817.97	818.87	819.41	818.28
P-114	819.06	818.46	#REF!	818.27	819.94	820.05	816.57	817.93	818.83	819.51	818.46
P-115	819.075	818.805	#REF!	818.335	820.025	820.205	817.635	817.89	818.96	819.63	818.57
P-116	818.125	817.575	#REF!	817.395	818.855	818.825	816.755	816.92	817.77	818.54	817.54
P-117											
P-118											
MW-3A	818.41	818.23	#REF!	817.98	820.07	820.25	816.62	817.81	819.50	819.11	818.12
MW-3B	820.27	820.35	#REF!	819.48	821.49	821.48	818.59	819.24	820.69	820.61	819.89
LC1	843.21	NM	NM	NM	843.36	NM	NM	NM	843.71	NM	NM
LC2	837.87	NM	NM	NM	838.51	NM	NM	NM	840.02	NM	NM
LC3	845.63	NM	NM	NM	845.52	NM	NM	NM	846.29	NM	NM

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FF/NN Landfill
Ripon, WI

Well Name	Jan-15	Apr-15	Jul-15	Oct-15	Jan-16	Apr-16	Jul-16	Oct-16	Jan-17	Apr-17	Jul-17
MW-101	NM	822.43	NM	NM	NM	824.20	NM	NM	NM	823.84	NM
P-101	NM	822.36	NM	NM	NM	824.16	NM	NM	NM	823.79	NM
MW-102	NM	822.91	NM	NM	NM	824.71	NM	NM	NM	824.41	NM
P-102	NM	822.99	NM	NM	NM	824.76	NM	NM	NM	824.42	NM
MW-103	NM	820.27	NM	819.48	NM	821.86	NM	820.7	NM	821.57	NM
P-103	NM	822.42	NM	820.15	NM	824.22	NM	822.33	NM	823.83	NM
P-103D	821.75	821.55	821.04	821.14	821.82	823.45	822.23	821.49	822.19	823.04	823.86
MW-104	NM	822.36	NM	NM	NM	824.08	NM	NM	NM	823.81	NM
P-104	NM	822.40	NM	NM	NM	824.18	NM	NM	NM	823.84	NM
MW-106	NM	822.91	NM	NM	NM	824.69	NM	NM	NM	824.35	NM
P-106	NM	822.82	NM	NM	NM	824.61	NM	NM	NM	824.23	NM
MW-107	NM	818.87	NM	NM	NM	820.31	NM	NM	NM	820.06	NM
P-107	NM	818.84	NM	NM	NM	820.30	NM	NM	NM	820.08	NM
P-107D	818.35	818.08	818.12	817.46	819.25	820.84	818.81	818.31	819.16	820.38	820.50
MW-108	NM	817.39	NM	NM	NM	818.86	NM	NM	NM	818.55	NM
P-108	NM	820.07	NM	NM	NM	821.53	NM	NM	NM	821.2	NM
MW-111	NM	817.39	NM	NM	NM	818.91	NM	NM	NM	818.66	NM
P-111	NM	816.95	NM	NM	NM	818.45	NM	NM	NM	818.22	NM
P-111D	819.51	819.50	819.21	818.51	822.95	821.30	820.11	819.59	820.27	820.86	821.72
MW-112	NM	819.30	NM	818.77	NM	820.71	NM	819.69	NM	820.42	NM
P-113A	817.81	817.59	817.48	817.02	818.80	820.23	818.16	817.82	818.89	819.78	820.14
P-113B	818.17	818.42	818.35	817.73	818.75	820.17	818.66	818.63	819.37	819.76	820.71
P-114	818.53	818.46	818.41	817.73	818.72	820.18	818.81	818.59	819.28	819.85	820.72
P-115	818.52	818.60	815.48	817.84	818.90	820.33	818.81	818.58	NM	819.99	821.37
P-116	817.55	817.41	817.46	816.67	817.57	819.19	817.93	817.67	818.18	818.99	819.58
P-117									817.90	818.67	819.27
P-118											
MW-3A	818.04	818.48	817.86	817.63	819.10	819.93	818.57	818.53	820.09	820.01	821.03
MW-3B	819.79	819.95	819.50	818.96	820.32	821.43	820.36	820.04	821.01	821.25	822.32
LC1	NM	843.72	NM	NM	NM	843.65	NM	NM	NM	842.91	NM
LC2	NM	839.41	NM	NM	NM	838.01	NM	NM	NM	837.42	NM
LC3	NM	845.62	NM	NM	NM	847.13	NM	NM	NM	846.43	NM

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FF/NN Landfill
Ripon, WI

Well Name	Oct-17	Mar-18	Jun-18	Aug-18
MW-101	NM	NM	823.99	NM
P-101	NM	NM	823.96	NM
MW-102	NM	NM	824.44	NM
P-102	NM	NM	824.523	NM
MW-103	821.77	NM	821.67	NM
P-103	823.57	NM	824	NM
P-103D	822.62	821.60	823.43	822.13
MW-104	NM	NM	823.92	NM
P-104	NM	NM	824.07	NM
MW-106	NM	NM	824.45	NM
P-106	NM	NM	824.37	NM
MW-107	NM	NM	819.12	NM
P-107	NM	NM	820.13	NM
P-107D	818.90	817.75	822.24	818.32
MW-108	NM	NM	819.04	NM
P-108	NM	NM	821.7	NM
MW-111	NM	NM	818.68	NM
P-111	NM	NM	818.23	NM
P-111D	820.21	819.17	821.66	820.69
MW-112	820.66	NM	820.62	NM
P-113A	817.95	817.91	821.68	817.70
P-113B	818.94	818.19	820.87	818.73
P-114	819.02	813.32	820.48	818.92
P-115	819.04	818.36	820.70	818.99
P-116	818.10	817.41	819.24	818.43
P-117	818.07	817.34	818.92	817.75
P-118	818.09	817.30	818.93	817.69
MW-3A	818.35	817.99	822.83	817.79
MW-3B	820.39	819.81	822.61	819.94
LC1	NM	NM	NM	NM
LC2	NM	NM	839.74	NM
LC3	NM	NM	845.72	NM

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.
Measurements are in Feet Above Mean Sea Level (msl)
">" indicates depth to top of pump (water level was beneath pump)
NT - Not taken, only measured deep wells
NM - Well not measured
TOC Elevation = Top of Casing Elevation
Wells were resurveyed on September 5, 2018 and the new TOC elevations are reported.
These changes are reflected beginning with August 2018 elevations.

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-3A	04/04/2002	NR				NA																														
MW-3A	05/22/2002	NR				NA																														
MW-3A	08/20/02	NR																																		
MW-3A	12/05/02	NR																																		
MW-3A	04/22/03																																			
MW-3A	10/22/03																																			
MW-3A	05/11/04																																			
MW-3A	10/14/04																																			
MW-3A	01/27/05																																			
MW-3A	04/26/2005																																			
MW-3A	08/02/05																																			
MW-3A	10/26/05																																			
MW-3A	01/31/2006																																			
MW-3A	04/24/06																																			
MW-3A	07/27/06											0.35 J																								
MW-3A	10/31/06																																			
MW-3A	01/31/07																																			
MW-3A	5/1/2007																																			
MW-3A	8/8/2007																																			
MW-3A	10/19/2007																																			
MW-3A	5/6/2008																																			
MW-3A	10/1/2008																																			
MW-3A	4/7/2009																								0.56J											
MW-3A	10/28/2009																																			
MW-3A	5/24/2010																																			
MW-3A	10/5/2010																								0.49J											
MW-3A	1/24/2011																																			
MW-3A	4/13/2011																																			
MW-3A	7/12/2011																								0.63J											
MW-3A	10/19/2011											0.66J																								
MW-3A	1/23/2012																																			
MW-3A	4/4/2012																																			
MW-3A	7/25/2012																																			
MW-3A	10/16/2012																																			
MW-3A	1/15/2013																																			
MW-3A	4/26/2013																																			
MW-3A	7/2/2013																																			
MW-3A	10/24/2013																																			
MW-3A	1/9/2014																																			
MW-3A	4/17/2014																																			
MW-3A	7/17/2014																																			
MW-3A	10/24/2014																																			
MW-3A	1/15/2015	3.1 J																																		
MW-3A	4/28/2015																																			
MW-3A	7/1/2015																																			
MW-3A	10/27/2015																																			
MW-3A	1/14/2016																																			

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-3A	4/13/2016																																			
MW-3A	7/28/2016																																			
MW-3A	10/27/2016																																			
MW-3A	1/20/2017																																			
MW-3A	4/6/2017																																			
MW-3A	7/14/2017																																			
MW-3A	10/18/2017																																			
MW-3A	3/21/2018 [5]			NR			NR																NR	NR						NR				NR	NR		NR
MW-3A	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR		NR
MW-3A	6/5/2018 [6]							0.076 J																												
MW-3A	8/2/2018																																			

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-3B	04/04/2002	NR				NA																							0.38							**0.31**	
MW-3B	05/22/2002	NR				NA																						NA									
MW-3B	8/20/2002	NR																										NA									
MW-3B	12/5/2002	NR																																			
MW-3B	4/22/2003																																				
MW-3B	10/22/2003																																				
MW-3B	5/11/2004																																			**0.2 J**	
MW-3B	07/22/2004																																				
MW-3B	10/14/2004																																				
MW-3B	1/27/2005																																				
MW-3B	4/26/2005																																				
MW-3B	8/2/2005																																			**0.30 J**	
MW-3B	10/26/2005																																			**0.39 J**	
MW-3B	01/31/2006																																				
MW-3B	4/24/2006																																				
MW-3B	7/27/2006											0.45 J																									
MW-3B	10/31/2006																																				
MW-3B	1/31/2007																																				
MW-3B	5/1/2007																																				
MW-3B	8/8/2007																																				
MW-3B	10/19/2007																																				
MW-3B	5/6/2008																		1.3																	**5.4**	
MW-3B	10/1/2008																																				
MW-3B	4/7/2009																																				
MW-3B	10/28/2009											0.42J																									
MW-3B	5/24/2010																																				
MW-3B	10/5/2010																																				
MW-3B	1/24/2011																																				
MW-3B	4/13/2011																																				
MW-3B	7/12/2011																								0.81J												
MW-3B	10/19/2011																																				
MW-3B	1/23/2012																																				
MW-3B	4/4/2012																																				
MW-3B	7/25/2012																																				
MW-3B	10/16/2012																																				
MW-3B	1/15/2013																																				
MW-3B	4/26/2013																																				
MW-3B	7/2/2013																																				
MW-3B	10/24/2013																																				
MW-3B	1/9/2014																																				
MW-3B	4/17/2014																																				
MW-3B	7/17/2014																																				
MW-3B	10/24/2014																																				
MW-3B	1/15/2015																																				
MW-3B	4/28/2015																																				
MW-3B	7/1/2015																																				
MW-3B	10/27/2015																																				

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-3B	1/14/2016																																			
MW-3B	4/13/2016																																			
MW-3B	7/28/2016																																			
MW-3B	10/27/2016																																			
MW-3B	1/20/2017																																			
MW-3B	4/6/2017																																			
MW-3B	7/14/2017																																			
MW-3B	10/18/2017																																			
MW-3B	3/21/2018 [5]			NR			NR																NR	NR						NR				NR	NR		NR
MW-3B	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR	0.035 J	NR
MW-3B	6/5/2018 [6]							0.17 J																												
MW-3B	8/2/2018																																		0.038	

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-101	10/1/1993	NR																									0.7 J									
MW-101	04/1/1994	NR																									0.6J									
MW-101	05/01/1996	NR																									0.6J									
MW-101	10/01/1996	NR										0.89 J															0.72 J									
MW-101	05/01/1997	NR																																		
MW-101	10/01/1997	NR																									0.7									
MW-101	04/98*	NR																																		
MW-101	10/01/1998	NR																																		
MW-101	04/01/1999	NR																																		
MW-101	10/01/1999	NR																									0.7									
MW-101	05/01/2000	NR																									0.32									
MW-101	10/01/2000	NR																									0.38									
MW-101	05/01/2002	NR																									0.28									
MW-101	10/11/2001	NR																																		
MW-101	02/05/2002	NR				NA									0.19												0.32	NA				0.16				
MW-101	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
MW-101	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
MW-101	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
MW-101	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
MW-101	10/23/2003																																			
MW-101	4/28/2004																																			
MW-101	10/13/2004	11																																		
MW-101	4/27/2005																																			
MW-101	4/28/2006	18																																		
MW-101	11/1/2006*		NA		NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA
MW-101	2/1/2007																																			
MW-101	5/1/2007	2.4																																		
MW-101	5/6/2008																																			
MW-101	4/8/2009																																			
MW-101	10/29/2009																																			
MW-101	5/25/2010																																			
MW-101	10/4/2010																									0.44J										
MW-101	1/26/2011																																			
MW-101	4/11/2011																																			
MW-101	4/3/2012																																			

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-101	10/01/1993	NR																																		
P-101	04/01/94	NR																											0.5J							
P-101	020/5/02	NR				NA																						NA								
P-101	05/22/2002	NR				NA																						NA								
P-101	10/13/2004																																			
P-101	4/27/2005																																			
P-101	10/25/2005																																			
P-101	4/28/2006																																			
P-101	11/1/2006																																			
P-101	5/1/2007																																			
P-101	5/6/2008																																			
P-101	4/8/2009																																			
P-101	11/4/2009											0.75J																								
P-101	5/25/2010																																			
P-101	10/4/2010																								0.44J											
P-101	1/26/2011																																			
P-101	4/11/2011																																			
P-101	4/3/2012																																			
MW-102	10/26/1993	NR																																		
MW-102	04/11/1994	NR																											3							
MW-102	05/08/1996	NR																											0.4J							
MW-102	10/30/1996	NR										0.99 J															0.30 J									
MW-102	05/12/1997	NR																																		
MW-102	10/26/1997	NR																																		
MW-102	04/13/1998	NR																	0.46																	
MW-102	10/11/2001	NR																																		
MW-102	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
MW-102	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
MW-102	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
MW-102	07/23/2004																																			
MW-102	10/14/2004																																			
MW-102	4/27/2005																																			
MW-102	10/25/2005																																			
MW-102	4/25/2006																																			
MW-102	11/1/2006																																			
MW-102	5/2/2007																																			
MW-102	4/30/2008																																			
MW-102	10/2/2008																																			
MW-102	4/8/2009																																			
MW-102	5/20/2010																																			
MW-102	4/11/2011																																			
MW-102	4/3/2012																																			

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-102	10/26/1993	NR																																		
P-102	04/11/1994	NR																																		
P-102	10/11/2001	NR																																		
P-102	05/21/2002	NR				NA																						NA							**0.33J**	
P-102	08/20/2002	NR																										NA							**0.62**	
P-102	12/04/2002	NR																																	**0.68**	
P-102	04/21/2003																								0.48 J&										**0.83**	
P-102	10/22/2003																																		**0.96**	
P-102	04/27/2004																																		**2.1**	
P-102	10/14/2004											0.5 J																							**0.32**	
P-102	1/27/2005																																			
P-102	4/27/2005																																			
P-102	8/3/2005																																			
P-102	8/3/2005 dup																																			
P-102	10/25/2005																																			
P-102	2/1/2006																																			
P-102	4/27/2006																																			
P-102	4/27/2006 dup																																			
P-102	7/27/2006											0.66 J																								
P-102	11/1/2006																																			
P-102	2/15/2007																																			
P-102	5/2/2007																																			
P-102	8/14/2007																																			
P-102	10/16/2007	2.9 J																																		
P-102	5/6/2008																																			
P-102	10/2/2008																																			
P-102	4/8/2009																																			
P-102	11/4/2009																																			
P-102	11/4/2009 Dup																																			
P-102	5/20/2010																																			
P-102	4/11/2011																																			
P-102	4/3/2012	9.1 J																																		

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-103	10/27/1993	NR																	**410**																**75**	
MW-103	04/11/1994	NR																	**1100**																**440**	
MW-103	04/01/94 Dup	NR																	**970**																**410**	
MW-103	05/01/1996	NR							7J										**740**	9J												**10J**				**170**	
MW-103	05/01/96 Dup	NR							8J			**9 J**							**840**	10J												**11J**				**180**	
MW-103	10/01/1996	NR	3.3						8.1 J	1.9		1.1	0.76 J			0.99 J		0.30 J	**520 E**	5	1.9											4.7				**98 E**	
MW-103	05/01/1997	NR	4.3						8.5	2.7			0.98			1.2	0.52	0.75	**790**	4.7	1.6					0.27						**5.6**				**230**	
MW-103 [2]	10/01/1997	NR	4.2						7.9	2.4			1.4			0.89	0.38		**550J**	5.2	1.5					0.38		3.1				**6.6**				**220J**	
MW-103	04/98*	NR																																			
MW-103	10/01/1998	NR	2						5.7										**260**	3.3												**5.8**				**45**	
MW-103	04/01/1999	NR	1.4						4.7										**150**	2.4												3.9				**47**	
MW-103	10/01/1999	NR							5.2										**170**	2.6												2.4				**48**	
MW-103	05/01/2000	NR	1.8						6.5										**170**	3.4												4.1				**60**	
MW-103	10/01/2000	NR	1.6						6.9	3.1			0.84			0.33			**130**	4.5	0.75											**6.6**				**78**	
MW-103	05/01/2001	NR	1.2						5.7	1.5			0.92						**94**	3.4	0.54				2.6L			1.1				4.5				**46**	
MW-103	10/11/2001	NR	1.1			80			2.6	0.62			0.54						25	2.7					6.4L				0.8							**15**	
MW-103 [2]	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**	
MW-103	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
MW-103	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
MW-103	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
MW-103	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
MW-103	10/21/2003		0.8						1.3										58	1.9												1.7				**21**	
MW-103	04/28/2004	27	0.61 J			26			0.53 J										16													1.9				**6.7**	
MW-103	10/13/2004	56	1.4						1.7			0.52							12	2.5									0.89			0.78				**7.9**	
MW-103	4/26/2005		1.2						2.8										1.9	3.0									0.71							**1.8**	
MW-103	4/25/2006	31				8.0 J			0.62 J										5.2													0.48 J				**1.8**	
MW-103	10/31/2006*	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
MW-103	2/1/2007					6.1J		2.2 J											10													0.82J				**0.34**	
MW-103	5/2/2007								1.7										14													1.7				**0.75**	
MW-103	10/18/2007																		26													2.8				**2.2**	
MW-103	5/5/2008								0.63J										15.7													3.4					
MW-103	10/2/2008								0.43J										12.3													3.8					
MW-103	4/7/2009																		7.7													3.1					
MW-103	10/28/2009																		4.6													2.4					
MW-103	2/25/2010																		2.9													2.1					
MW-103	5/24/2010																		4													2.1					
MW-103	10/4/2010																		3.5						0.73J							2.4					
MW-103	1/26/2011																		2.9													2.7					
MW-103	4/11/2011																		2.7													2.1					
MW-103	7/11/2011																		4.2						0.74J							2.3					
MW-103	10/19/2011																		4.3													3					
MW-103	1/24/2012																		3.2													2.6					
MW-103	4/3/2012																		2.9													2.3					
MW-103	4/3/2012 Dup																		3.3													2.4					
MW-103	7/25/2012																		2													2.2					
MW-103	10/17/2012																		2.1													1.7					
MW-103	1/16/2013																		1.7													2.3					

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-103	4/24/2013																		1.1													1.7					
MW-103	10/24/2013																		2													1.6					
MW-103	4/16/2014																		0.77J													1.5					
MW-103	10/24/2014																		1.1													2					
MW-103	4/28/2015																		0.45 J													1.6					
MW-103	4/12/2016																		0.35 J													1.4					
MW-103	10/27/2016																		0.28 J													1.5					
MW-103	4/5/2017																		0.30 J													1.5					
MW-103	10/18/2017																		0.33 J													1.7					
MW-103	6/4/2018 [6]											0.048 JB							0.21 J	0.052 J							0.27					1.3					

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-103	10/27/1993	NR																																			
P-103	04/12/1994	NR																																			
P-103	05/9/1996	NR																	0.1J										0.1J							0.1J	
P-103	10/31/1996	NR										0.84 J																									
P-103	05/13/1997	NR																																			
P-103	10/27/1997	NR																																			
P-103	04/13/1998	NR																																			
P-103	2/4/2002	NR				NA																						NA									
P-103	05/21/2002	NR				NA													[0.54]									NA									
P-103	10/13/2004											0.52 J																								**1.7**	
P-103	1/26/2005																																				
P-103	1/26/2005 dup																																				
P-103	4/26/2005																																			**2.4**	
P-103	8/3/2005																																			**3.2**	
P-103	10/26/2005																																			**3.2**	
P-103	02/01/2006																																			**3.6**	
P-103	4/25/2006																																			**2.9**	
P-103	7/28/2006											0.49 J																								**1.6**	
P-103	11/1/2006																																			**1.4**	
P-103	2/1/2007																																			**1.5**	
P-103	5/2/2007																																			**1.6**	
P-103	8/14/2007																																			**1.4**	
P-103	10/18/2007																																			**1.2**	
P-103	5/5/2008																																			**0.74**	
P-103	5/5/2008 Dup																																			**0.81**	
P-103	10/2/2008																																			**0.81J**	
P-103	10/2/2008 Dup																																			**0.89J**	
P-103	4/7/2009																																			**0.75J**	
P-103	10/28/2009											0.43J																								**0.58J**	
P-103	2/25/2010											0.52J																								**0.49J**	
P-103	5/24/2010																																				
P-103	10/5/2010																								0.53J											**0.41J**	
P-103	1/25/2011																																			**0.34J**	
P-103	4/12/2011																																			**0.39J**	
P-103	7/11/2011																																				
P-103	10/18/2011																																			**0.29J**	
P-103	1/24/2012																																			**0.28J**	
P-103	4/4/2012																																			**0.28 J**	
P-103	7/25/2012																																				
P-103	10/17/2012																																				
P-103	1/16/2013																																				
P-103	4/26/2013																																				
P-103	10/24/2013																																				
P-103	4/16/2014																																				
P-103	10/24/2014																																				
P-103	4/28/2015																																				
P-103	10/27/2015																																				

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-103	4/13/2016																																				
P-103	10/27/2016																																				
P-103	4/6/2017																																				
P-103	10/18/2017																																				
P-103	6/4/2018 [6]																																				
P-103																																					

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-103D	02/4/2004					NA																			0.55J			NA							**1.1**	
P-103D	05/11/2004																																		**1.5**	
P-103D	05/11/04 dup																																		**1.5**	
P-103D	07/23/2004																																		**1.3**	
P-103D	07/23/04 dup																																		**1.5**	
P-103D	10/13/2004											0.43 J							0.86 J																	
P-103D	04/26/2005																		0.84 J																**3.0**	
P-103D	10/26/2005																		0.98 J																**2.7**	
P-103D	10/26/2005 dup																		0.95 J																**2.8**	
P-103D	4/25/2006																																		**2.6**	
P-103D	11/1/2006																																		**1.9**	
P-103D	5/2/2007																																		**1.4**	
P-103D	10/18/2007																																		**1.2**	
P-103D	5/5/2008																																		**0.69**	
P-103D	5/5/2008 Dup																																		**0.66**	
P-103D	10/2/2008																																		**1.1**	
P-103D	10/2/2008 Dup																																		**1.5**	
P-103D	4/7/2009																																		**0.77J**	
P-103D	4/7/2009 Dup																																		**0.74J**	
P-103D	10/28/2009											1.1																							**0.75J**	
P-103D	2/25/2010																																		**0.64J**	
P-103D	5/24/2010																																			
P-103D	10/5/2010																								0.86J										**0.71J**	
P-103D	1/25/2011																																			
P-103D	4/11/2011																																		**0.69J**	
P-103D	7/11/2011																																		**0.78J**	
P-103D	10/18/2011																																		**0.54J**	
P-103D	1/24/2012																																		**0.73J**	
P-103D	4/4/2012	10.7 J																																	**0.98J**	
P-103D	7/25/2012																																			
P-103D	10/17/2012																																			
P-103D	1/16/2013																																			
P-103D	4/26/2013																																			
P-103D	7/2/2013																																			
P-103D	10/24/2013																																			
P-103D	1/9/2014																																		**0.67J**	
P-103D	4/16/2014																		0.26J																**0.43J**	
P-103D	7/17/2014																		0.49 J																**0.54 J**	
P-103D	10/24/2014											0.71 J							0.46 J																**0.68 J**	
P-103D	1/15/2015	3.0 J																	0.37 J																**0.40 J**	
P-103D	4/28/2015																		0.42 J																**0.46 J**	
P-103D	7/1/2015																																			
P-103D	10/27/2015																		0.33 J																**0.26 J**	
P-103D	1/14/2016																																		**0.36 J**	
P-103D	4/13/2016																		0.27 J																**0.39 J**	
P-103D	7/28/2016																		0.44 J																	
P-103D	10/27/2016																		0.30 J																**0.28 J**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-103D	1/20/2017																																			**0.28 J**	
P-103D	4/6/2017																																			**0.26 J**	
P-103D	7/14/2017																		0.32 J																		
P-103D	10/18/2017																		0.30 J																	**0.35 J**	
P-103D	3/21/2018 [5]			NR			NR																NR	NR						NR			NR	NR		NR
P-103D	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR	0.062	NR	NR	NR	**0.25**	NR
P-103D	6/4/2018 [6]		0.025 J									0.041 JB							0.27																		
P-103D	8/2/2018		0.031																0.27													0.089				0.19	

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	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							
MW-104	4/19/1994	NR	1						1				1						10													0.8J				**6.0**	
MW-104	05/9/1996	NR	**6**						5	1		0.3 J				0.2 J			6	0.3 J		0.1J							0.2 J			0.5J				**10**	
MW-104	10/30/1996	NR	0.64 J						1.1	0.34 J		0.46 J							3.6	0.22 J		0.80 J										0.31 J				**4.3**	0.77 J
MW-104	05/12/1997	NR	4.8						4.5	1.5			0.91						1.1							0.32										**4.5**	
MW-104	10/27/1997	NR	0.63						1.3				0.85						7.3																	**18**	
MW-104	04/13/1998	NR	1.2																**74**	0.67									0.46			3.5				**17**	
MW-104	10/13/1998	NR	1.7										0.76						3.3																	**15**	4.1
MW-104	04/07/1999	NR	3.2						1.4										6.6													0.71				**6.1**	
MW-104	10/27/1999	NR	3.5						5.4				0.92						4.5																	**2.8**	
MW-104	05/2/2000	NR	3						5.7				1.5						0.7										0.13							**1.1**	
MW-104	10/30/2000	NR	2						6.2				1.6						2.6										0.12			0.33				**29**	
MW-104	05/1/2001	NR	2.5						5.6				2		0.47				7				0.26		0.51L			0.81	0.13			0.66				**8.6**	
MW-104	10/11/2001	NR	3.1						9.5				2.3					0.85	2						0.39L				0.1					0.14		**2.2**	
MW-104	02/5/2002	NR	2.7			NA	0.16		8				2		0.19				5.1				0.23					NA	0.17			0.73				**13**	
MW-104	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
MW-104	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
MW-104	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
MW-104	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
MW-104	04/22/2003		1.8			6.9J			3.1										4.6																	**6.5**	
MW-104	10/23/2003	3.2	4						7.8				1.8						3.3																	**8.6**	
MW-104	04/28/2004		2.4						6				2.2 J						6.4																	**8.7**	
MW-104	10/13/2004		2.5						6.5				2.2 J						10																	**20**	
MW-104	4/27/2005		1.7						5.4				2.1 J																							**0.64**	
MW-104	10/25/2005		1.4						6.9				2.5 J						3.9																	**13**	
MW-104	4/25/2006		1.4			4.6 J			4.9				2.2 J						1.0 J																	**1.1**	
MW-104	11/2/2006		1.2 J						4.8				1.7 J																								
MW-104	11/2/2006 dup		1.3 J						5																												
MW-104	5/2/2007		0.8J						4				2.0J																								
MW-104	10/18/2007		0.75 J						6				2.0 J																								
MW-104	5/6/2008		0.62J						3.3				1.8																								
MW-104	10/1/2008		0.52J						3.7				1.9																								
MW-104	4/7/2009		0.68J						3.5				2.3																								
MW-104	11/4/2009								3.9				1.9																								
MW-104	5/20/2010								3.5				2.4																								
MW-104	4/11/2011								3.1				1.9																								
MW-104	10/19/2011								3.6				2																								
MW-104	4/3/2012		0.41J						3.5				1.9																								
MW-104	10/17/2012								2.8				1.8																								
MW-104	4/24/2013								3				1.8																								
MW-104	4/16/2014								2.4				1.8																								
MW-104	4/15/2015								2.8				1.7																								
MW-104	4/12/2016								2.6				1.5																								
MW-104	4/5/2017								3				1.3																								
MW-104	6/4/2018 [6]		0.099						3.6	0.5		0.051 JB	1.6		0.15 J				0.12 J				0.14			0.055 J									0.041 J	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-104	10/27/1994	NR																																		
P-104	04/19/1994	NR																																		
P-104	05/09/1996	NR																																		
P-104	10/30/1996	NR										0.20 J																								
P-104	05/12/1997	NR																																		
P-104	10/27/1997	NR																																		
P-104	04/13/1998	NR																																		
P-104	10/11/2001	NR																							0.52L											
P-104	02/5/2002	NR	0.18			NA						0.85																NA								
P-104	5/21/2002	NR				NA																						NA								
P-104	08/20/2002	NR																										NA								
P-104	10/13/2004											0.45 J																								
P-104	10/13/04 Dup																																			
P-104	8/3/2005																																			
P-104	8/3/05 Dup																																			
P-104	7/28/2006																																			
P-104	8/14/2007																																			
P-104	5/5/2008																																			
P-104	4/7/2009																																			
P-104	5/26/2010																																			
P-104	4/12/2011																																			
P-104	4/3/2012																																			
MW-106	10/1/1993	NR																																		
MW-106	04/01/1994	NR																											11							
MW-106	02/04/02	NR				NA																						NA	0.25							
MW-106	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
MW-106	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
MW-106	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
MW-106	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
MW-106	07/23/2004																																			
MW-106	4/27/2005																																			
MW-106	4/27/05 Dup																																			
MW-106	7/28/06*	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
MW-106	10/31/2006*	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
MW-106	2/15/2007																																			
MW-106	8/14/2007																																			
MW-106	4/30/2008																																			
MW-106	4/8/2009																																			
MW-106	5/20/2010																																			
MW-106	4/11/2011																																			
MW-106	4/3/2012																																			

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-106	10/01/1993	NR																														0.6J					
P-106	04/01/1994	NR																														0.8J					
P-106	05/01/1996	NR																	0.2 J													0.8J					
P-106	10/01/1996	NR										0.62J																				0.22 J					
P-106	05/01/1997	NR																														0.65					
P-106	10/01/1997	NR																														0.67					
P-106	04/01/1998	NR																														0.61					
P-106	10/01/1998	NR																														0.71					
P-106	04/01/1999	NR																														0.58					
P-106	10/1/1999	NR																														0.61					
P-106	05/01/2000	NR																														0.56					
P-106	10/01/2000	NR																														0.6					
P-106	05/01/2001	NR																														0.56					
P-106	10/11/2001	NR																														0.39					
P-106	2/5/2002	NR				NA																						NA				0.6					
P-106	02/05/02 Dup	NR				NA																						NA				0.6					
P-106	05/22/2002	NR				NA																						NA				0.49					
P-106	05/22/02Dup	NR				NA																						NA				0.47 J					
P-106	08/20/2002	NR																										NA				0.43 J					
P-106	12/4/2002	NR																														0.53					
P-106	04/22/2003																															0.55 J					
P-106	10/21/2003																															0.56					
P-106	10/21/03 Dup																																				
P-106	4/27/2004																																				
P-106	10/13/2004											0.9																				0.84 J					
P-106	4/27/2005																																				
P-106	10/25/2005																																				
P-106	4/28/2006																																				
P-106	11/1/2006																																				
P-106	5/1/2007																																				
P-106	10/22/2007																																				
P-106	4/30/2008																																				
P-106	10/1/2008																																				
P-106	4/8/2009																																				
P-106	4/8/2009 Dup																																				
P-106	11/4/2009																																				
P-106	5/26/2010																																				
P-106	4/12/2011																																				
P-106	4/3/2012																																				
P-106	4/24/2013																																				
P-106	4/16/2014																																				
P-106	4/15/2015																																				
P-106	4/12/2016																																				
P-106	4/5/2017																																				
P-106	6/4/2018 [6]																															0.15 J					

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-107	10/27/1993	NR																														2					
MW-107	4/12/1994	NR																														2					
MW-107	5/9/1996	NR																														2					
MW-107	10/21/1996	NR										0.80 J																				2.2					
MW-107	5/13/1997	NR													0.9																	2.6					
MW-107	10/27/1997	NR													0.7																	2					
MW-107	4/14/1998	NR																														2.1					
MW-107	10/13/98*	NR																														NA					
MW-107	4/6/1999	NR																														1.8					
MW-107	10/27/1999	NR																														1.1					
MW-107	5/2/2000	NR																														1.6					
MW-107	10/31/2000	NR																														1.2					
MW-107	5/31/2001	NR													0.47										0.57L							1.8					
MW-107	10/11/2001	NR																														0.87					
MW-107	2/4/2002	NR				NA									0.35													NA				1.4					
MW-107	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
MW-107	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
MW-107	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
MW-107	4/21/2003																								0.52 J							1.2					
MW-107	10/21/2003																															2.2					
MW-107	4/27/2004																															1.9					
MW-107	10/13/2004											0.63 J																				0.65 J					
MW-107	4/27/2005																															1.1					
MW-107	10/27/2005																															0.79 J					
MW-107	4/25/2006																								0.49 J							0.55 J					
MW-107	10/31/2006																																				
MW-107	5/1/2007																															0.86					
MW-107	10/17/2007																															0.53 J					
MW-107	5/5/2008																																				
MW-107	10/1/2008																																				
MW-107	4/7/2009																																				
MW-107	10/28/2009											1.6																				0.51J					
MW-107	5/24/2010																																				
MW-107	10/4/2010																								0.70J												
MW-107	1/26/2011																																				
MW-107	4/11/2011																																				
MW-107	10/18/2011																																				
MW-107	4/3/2012																																				
MW-107	10/17/2012																																				
MW-107	4/24/2013																																				
MW-107	4/16/2014																																				
MW-107	4/15/2015																																				
MW-107	4/12/2016																																				
MW-107	4/6/2017																																				
MW-107	6/4/2018 [6]																																				

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-107	10/27/1993	NR																	4																	**6**	
P-107	4/12/1994	NR																	2										0.7J							**3**	
P-107	4/12/94 Dup	NR																	2										0.7J							**3**	
P-107	5/9/1996	NR	0.1 J							0.2 J									2										0.1 J			0.1 J				**2**	
P-107	10/23/1996	NR								0.19		0.79 J							1.9																	**2.3**	
P-107	10/23/96 Dup	NR								0.21		0.49 J							2.1																	**2.7**	
P-107	5/14/1997	NR																	1.3																	**2**	
P-107	5/14/97 Dup	NR																	1.1																	**1.7**	
P-107	10/27/1997	NR																	2.2																	**2.6**	
P-107	10/27/97 DUP	NR																	1.8																	**2.3**	
P-107	4/14/1998	NR																	2.3																	**2.2**	
P-107	4/14/98 Dup	NR																	2.3																	**2.4**	
P-107	10/14/1998	NR																	2.1											0.2						**1.5**	
P-107	10/14/98 DUP	NR																	2.4																	**1.7**	
P-107	4/6/1999	NR																	1.5																	**0.58**	
P-107	10/27/1999	NR																	1.8																		
P-107	10/27/99 Dup	NR																	1.8																		
P-107	5/2/2000	NR																	1.5																	**1.2**	
P-107	5/02/00 Dup	NR																	1.6																	**1.2**	
P-107	10/31/2000	NR																	1.4																		
P-107	10/31/00 Dup	NR																	1.4																		
P-107	5/9/2001	NR																	0.96						0.52L			0.72				1.8				**0.85**	
P-107	5/9/2001 Dup	NR																	0.97						0.49L			0.79								**0.86**	
P-107	10/11/2001	NR																	1.6																	**1.7**	
P-107	10/11/01 Dup	NR																	1.5																	**1.7**	
P-107	2/4/2002	NR				NA													1.6									NA								**1.2**	
P-107	5/21/2002	NR				NA													1.8									NA								**1.5**	
P-107	5/21/02 Dup	NR				NA													1.7									NA								**1.4**	
P-107	8/20/2002	NR																	0.84									NA								**0.54J**	
P-107	12/4/2002	NR																	1.3																	**1**	
P-107	4/21/2003																		1.5 J																	**1**	
P-107	04/21/2003 Dup																		1.3 J																		
P-107	10/21/2003																		1.3																	**0.93**	
P-107	4/27/2004																		0.96 J																	**0.61**	
P-107	10/13/2004																		0.89 J																	**0.64**	
P-107	10/13/04 Dup																		1.1 J																		
P-107	4/27/2005																																				
P-107	10/27/2005																																				
P-107	4/25/2006																																			**0.79**	
P-107	10/31/2006																																			**0.33J**	
P-107	5/1/2007																																			**0.76**	
P-107	10/19/2007																		0.92 J																	**1**	
P-107	5/5/2008																																			**0.48J**	
P-107	10/1/2008																																				
P-107	4/7/2009											0.24J																								**0.88J**	
P-107	10/28/2009											1.6																								**0.64J**	
P-107	5/24/2010																																			**1.1**	

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-107	10/5/2010																																		**0.94J**	
P-107	1/24/2011																																			
P-107	4/12/2011																																		**0.84J**	
P-107	10/18/2011																																		**0.54J**	
P-107	4/4/2012	10.7 J																																	**1.1**	
P-107	10/17/2012																																			
P-107	4/26/2013																																			
P-107	4/16/2014																		0.51J																**0.89J**	
P-107	4/15/2015																		0.48J																**0.57J**	
P-107	4/13/2016																		0.52 J																**0.72 J**	
P-107	4/6/2017																																		**0.79 J**	
P-107	6/4/2018 [6]		0.024 J																0.29													0.067 J			**0.58**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-107D	10/27/1993	NR																	2B																	**6**	
P-107D	4/13/1994	NR																																			
P-107D	5/9/1996	NR	0.1J									0.3J							0.2J									0.3J							**0.6J**	
P-107D	10/23/1996	NR										0.44 J																							**3.9**	
P-107D	5/14/1997	NR																	0.49																**2.4**	
P-107D	10/27/1997	NR																	1.7																**5.1**	
P-107D	4/14/1998	NR																	1																**4.1**	
P-107D	10/14/1998	NR																																	**2.2**	
P-107D	4/6/1999	NR																	0.34																**0.87**	
P-107D	10/27/1999	NR																																	**1.7**	
P-107D	5/2/2000	NR																																	**1.3**	
P-107D	10/31/2000	NR																	0.64																	
P-107D	01/05/2001	NR			0.33														1.5						0.44L			0.72B						**5.6**	
P-107D	10/11/2001	NR																	2.2																**10**	
P-107D	2/4/2002	NR				NA													1.2									NA				0.17			**3.9**	
P-107D	02/04/02 Dup	NR																	1.2																**3.9**	
P-107D	5/21/2002	NR				NA													1.1									NA							**3.3**	
P-107D	8/20/2002	NR																	1.1									NA							**3.1**	
P-107D	12/4/2002	NR																	0.75																**0.81**	
P-107D	4/21/2003																		1.3 J																**3.3**	
P-107D	10/21/2003																		0.97																**3.5**	
P-107D	4/27/2004																		1.5 J																**4.2**	
P-107D	10/13/2004									1.2 J		0.93							2.0 J																**5.9**	
P-107D	4/27/2005																		1.3 J																**3.1**	
P-107D	4/27/05 Dup									1.9 J									2.5																**6.2**	
P-107D	10/27/2005									1.2 J									2.0 J																**4.3**	
P-107D	4/25/2006									2.3 J									3.1						0.68 L										**7.7**	
P-107D	10/31/2006									2.0 J									2.1 J																**4.3**	
P-107D	5/1/2007									1.6J									2.5J																**6.2**	
P-107D	5/1/2007 Dup									1.6J									2.9																**6.7**	
P-107D	10/19/2007																																		**3**	
P-107D	5/5/2008																																		**1.3**	
P-107D	10/1/2008																																		**1.6**	
P-107D	4/7/2009											0.96J																							**2.5**	
P-107D	10/28/2009																																		**2**	
P-107D	2/25/2010											0.25J																							**1.8**	
P-107D	5/24/2010																																		**4**	
P-107D	10/5/2010																																		**1.6**	
P-107D	1/24/2011																																		**2.6**	
P-107D	4/12/2011																																		**2.6**	
P-107D	7/11/2011																		1.2																**5.3**	
P-107D	10/18/2011																																		**1.8**	
P-107D	1/23/2012																																			
P-107D	4/4/2012																																		**4.5**	
P-107D	7/25/2012																																		**2.1**	
P-107D	10/17/2012																																		**2**	
P-107D	1/16/2013																																		**2.3**	

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-107D	4/26/2013																																		**2.1**	
P-107D	7/2/2013																																			
P-107D	10/24/2013																																		**2.6**	
P-107D	1/9/2014																		0.57 J																**2.9**	
P-107D	4/16/2014									0.60J									1.1																**5.6**	
P-107D	7/17/2014									0.75 J									1.2																**4.8**	
P-107D	10/24/2014									0.78 J		0.54 J							0.77 J						0.32 J										**3.1**	
P-107D	1/15/2015									0.87 J									1.4																**4.7**	
P-107D	4/28/2015									1.2									0.79 J																**2.1**	
P-107D	7/1/2015																		0.59 J																**2.1**	
P-107D	10/27/2015																		1.2																**3.1**	
P-107D	1/14/2016									1.3									0.77 J																**2.6**	
P-107D	4/13/2016																		1.5																**4.8**	
P-107D	7/28/2016																		1.0 J																**1.9**	
P-107D	10/27/2016																		0.45 J																**2**	
P-107D	1/20/2017									2.4									1.6																**4.3**	
P-107D	4/6/2017									0.77 J									0.99 J																**2.2**	
P-107D	7/14/2017									1.4									1.7																**3.8**	
P-107D	10/18/2017									0.76 J									0.52 J																**1.9**	
P-107D	3/21/2018 [5]			NR			NR			0.88 J									1.3				NR	NR					NR				NR	NR	**3.6**	NR
P-107D	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR	0.072	NR	NR	NR	**3.2**	NR
P-107D	6/4/2018 [6]									0.86									0.78																**2.2**	
P-107D	8/2/2018									0.35									0.55																**1.6**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-108	10/18/1993	NR																											11								
MW-108	4/13/1994	NR																											2								
MW-108	5/8/1996	NR																	0.2 J										0.2 J								
MW-108	10/23/1996	NR										0.85 J																									
MW-108	5/12/1997	NR																																			
MW-108	10/27/1997	NR																																			
MW-108	4/14/1998	NR																																			
MW-108	10/11/2001	NR																							0.34L												
MW-108	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
MW-108	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
MW-108	12/5/2002	NR																																			
MW-108	10/14/2004																		1.2 J													1.3 J				**0.67**	
MW-108	4/27/2005																		1.0													0.7				**0.3**	
MW-108	8/3/2005																															0.70 J					
MW-108	10/25/2005																																				
MW-108	02/01/2006																																				
MW-108	4/28/2006																																				
MW-108	7/27/2006											0.36 J																									
MW-108	11/2/2006																																				
MW-108	2/1/2007																																				
MW-108	5/2/2007																																				
MW-108	8/14/2007																																				
MW-108	10/16/2007																																				
MW-108	5/6/2008	2.7J																																			
MW-108	10/2/2008																																				
MW-108	4/8/2009																																				
MW-108	11/4/2009																																				
MW-108	11/4/2009 Dup																																				
MW-108	5/20/2010																																				
MW-108	5/20/2010 Dup																																				
MW-108	4/11/2011																																				
MW-108	4/11/2011 Dup																																				
MW-108	4/2/2012																																				

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-108	10/25/1993	NR																																		
P-108	10/25/93 Dup	NR																																		
P-108	4/13/1994	NR																																		
P-108	4/13/94 Dup	NR																																		
P-108	10/11/2001	NR																							0.32L											
P-108	2/5/2002	NR				NA																						NA								
P-108	5/21/2002	NR				NA																						NA								
P-108	10/14/2004											0.45 J																								
P-108	1/28/2005																																			
P-108	10/25/2005																																			
P-108	7/27/2006											0.75 J																								
P-108	8/14/2007														2.7 J																					
P-108	5/6/2008																																			
P-108	4/8/2009																																			
P-108	5/20/2010																																			
P-108	4/11/2011																																			
P-108	4/2/2012																																			
MW-111	4/19/1994	NR																																		
MW-111	10/11/2001	NR																							0.30L											
MW-111	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
MW-111	8/19/2002	NR																										NA								
MW-111	12/5/2002	NR																																		
MW-111	10/13/2004																																			
MW-111	10/26/2005																																			
MW-111	4/24/2006																																			
MW-111	8/8/2007																																			
MW-111	5/5/2008																																			
MW-111	4/7/2009																								0.44J											
MW-111	10/28/2009																																			
MW-111	5/24/2010																																			
MW-111	10/4/2010																								0.80J											
MW-111	1/26/2011																																			
MW-111	4/11/2011																																			
MW-111	4/3/2012																																			

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-111	4/19/1994	NR																											2								
P-111	10/11/2001	NR																																			
P-111	2/5/2002	NR				NA																						NA								
P-111	5/22/2002	NR				NA																						NA								
P-111	8/19/2002	NR																										NA								
P-111	08/19/02 Dup	NR																										NA								
P-111	12/5/2002	NR																																		
P-111	12/05/02 Dup	NR																																		
P-111	4/22/2003																																			
P-111	10/22/2003																																			
P-111	4/28/2004																																			
P-111	8/3/2005																																			
P-111	7/27/2006																																			
P-111	8/8/2007																																			
P-111	5/5/2008																																			
P-111	4/7/2009																																			
P-111	10/28/2009																																			
P-111	5/24/2010																																			
P-111	10/5/2010																																			
P-111	1/24/2011																																			
P-111	4/13/2011																																			
P-111	4/4/2012	10.5 J																																		

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-111D	4/4/2002	NR																	0.6										0.3							**13**	
P-111D	5/22/2002	NR				NA													0.59 J									NA								**15**	
P-111D	8/19/2002	NR																	0.37 J									NA								**12**	
P-111D	12/5/2002	NR																	0.42 J																	**11**	
P-111D	4/23/2003																																			**12**	
P-111D	10/23/2003																																			**9.1**	
P-111D	5/11/2004									1.4																										**15**	
P-111D	07/23/2004																																			**14**	
P-111D	10/13/2004									1.9 J																			1.6 J							**11**	
P-111D	1/27/2005																																			**8.8**	
P-111D	4/26/2005									3.7									0.87 J																	**13**	
P-111D	4/26/05 Dup									3.5																										**13**	
P-111D	8/3/2005											2.9 J							0.96 J																	**10**	
P-111D	10/26/2005									3.1 J									1.1 J																	**10**	
P-111D	10/26/2005 dup									2.7 J									0.93 J																	**10**	
P-111D	02/01/2006									4.2									0.89 J																	**11**	
P-111D	4/24/2006									2.8 J									1.3 J																	**11**	
P-111D	7/27/2006											0.30 J							1.2 J																	**10**	
P-111D	10/31/2006									1.4 J									1.3 J																	**8.5**	
P-111D	1/31/2007									3.0J									1.4J																	**8.2**	
P-111D	5/1/2007									3.1J									1.3J																	**8.2**	
P-111D	8/8/2007									2.9 J									1.5 J																	**8.5**	
P-111D	10/17/2007									2.7 J									1.5 J																	**8**	
P-111D	5/5/2008																		1.5																	**4.7**	
P-111D	10/2/2008									1.8									1.5																	**5.7**	
P-111D	4/7/2009									1.4									1.7																	**5.5**	
P-111D	10/28/2009									1.8									1.5																	**5**	
P-111D	2/25/2010									1.8									1.5																	**4.4**	
P-111D	2/25/2010 Dup									1.5									1.5																	**3.9**	
P-111D	5/24/2010									1.9									1.5																	**5.9**	
P-111D	5/24/2010 Dup									1.8									1.4																	**4.4**	
P-111D	10/5/2010									1.5									1.3						0.55J											**4.7**	
P-111D	10/5/10 Dup									1.6									1.3						1.2											**4.7**	
P-111D	1/24/2011									1.9									1.1																	**5.2**	
P-111D	1/24/11 Dup									1.7									1.4																	**4.5**	
P-111D	4/13/2011									2.3									1.6																	**5.8**	
P-111D	4/13/2011 Dup									2.8									1.3																	**7.1**	
P-111D	7/11/2011																		1.4						0.88J											**5.3**	
P-111D	10/18/2011									1.5									1.4																	**4.5**	
P-111D	10/18/2011 Dup									1.4									1.5																	**4.8**	
P-111D	1/23/2012									2									1.7																	**4.3**	
P-111D	4/4/2012	8.0 J								2.1									2																	**6**	
P-111D	4/4/2012 Dup	8.3 J								2									2																	**5.7**	
P-111D	7/25/2012																		1.6																	**6.5**	
P-111D	10/17/2012									1.3									1.7																	**7.2**	
P-111D	10/17/2012 Dup									1.8									1.9																	**6.9**	
P-111D	1/16/2013									2.2									1.7																	**8.1**	

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-111D	4/26/2013									2.3									1.4																	**6.5**	
P-111D	4/26/2013 Dup									2.2									1.3																	**6.7**	
P-111D	7/2/2013									1.9									1.9																	**6.8**	
P-111D	10/24/2013									1.5									1.6																	**6.7**	
P-111D	1/9/2014									2.1									1.5																	**6.9**	
P-111D	4/16/2014									2									1.7																	**7.9**	
P-111D	4/16/2014 Dup									1.8									1.7																	**8**	
P-111D	7/17/2014									1.9									1.9																	**7.7**	
P-111D	10/24/2014									3									2.1																	**12.2**	
P-111D	1/15/2015	3.3 J								1.9									2.1																	**6.9**	
P-111D	1/15/2015 Dup	4.3 J								1.7									1.9																	**6.7**	
P-111D	4/28/2015									1.7									2.2																	**7.8**	
P-111D	4/28/2015 Dup									2.5									2.1																	**7**	
P-111D	7/1/2015	11.2 J								1.7									1.7																	**8**	
P-111D	10/27/2015																		2.4																	**6.5**	
P-111D	10/27/2015 Dup																		2.2																	**6.5**	
P-111D	1/14/2016									1.6									2.1																	**5.8**	
P-111D	4/13/2016									2.2									2.1																	**5.1**	
P-111D	4/13/2016 Dup									2.2									2																	**5.2**	
P-111D	7/28/2016																		2.3																	**7.4**	
P-111D	10/27/2016									1.3									2.1																	**6.9**	
P-111D	1/20/2017									1.6									2.4																	**6.4**	
P-111D	4/6/2017									1.7									2.7																	**5.9**	
P-111D	4/6/2017 Dup									1.3									2.5																	**4.9**	
P-111D	7/14/2017									1.6									3																	**6.2**	
P-111D	10/18/2017									1.4									2.3																	**6.2**	
P-111D	3/21/2018 [5]			NR			NR			0.52 J									2.6				NR	NR					NR				NR	NR	**4.7**	NR
P-111D	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR	**4.1**	NR
P-111D	6/5/2018 [6]									1.4					0.066 J				3																	**3.9**	
P-111D	6/5/2018 Dup [6]									1.4					0.065 J				3																	**3.7**	
P-111D	8/2/2018									0.96		0.048							2.7																	**3.8**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-112	11/27/1996	NR	0.6J							2 J									59	1 J												3J				**15**	
MW-112	11/27/96 Dup	NR	0.7J							2 J									58	1 J												4J				**16**	
MW-112	5/12/1997	NR	0.59						0.27										5.4																	**2.2**	
MW-112	10/26/1997	NR	0.5						0.29										1.3																		
MW-112	4/13/1998	NR	0.69							1.4									57	1.3												1.9				**12**	
MW-112	10/13/1998	NR	0.76																**80**													1.2				**25**	
MW-112	4/6/1999	NR	0.72							1.4									40	0.56												1.7				**7.9**	
MW-112	10/27/1999	NR																	7.6													1					
MW-112	5/2/2000	NR	0.46																3.4													0.39					
MW-112	10/30/2000	NR							0.37										5.6													0.37					
MW-112	5/9/2001	NR	0.42						0.42										3.5																	**0.98**	
MW-112	10/11/2001	NR	0.36						0.39	0.53									27													0.83				**3.7**	
MW-112	2/4/2002	NR	0.23			NA			0.48										0.49									NA									
MW-112	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
MW-112	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
MW-112	12/4/2002																		**150**													2.7 J				**56**	
MW-112	4/22/2003		1.2 J							7.4 &									**220**	4.5 J												**5.9**				**45**	
MW-112	10/22/2003	2.5	0.88							5.9									60	1.4												1.6				**51**	
MW-112	4/28/2004		0.53 J						0.45 J	4									18													1.1 J				**9.9**	
MW-112	4/28/04 dup	6.5	0.61 J						0.48 J	4.7									22													1.1 J				**9.3**	
MW-112	07/23/2004	110	1.1							23									**140**	2.6	0.58							1				**7.4**				**31**	
MW-112	10/13/2004		1.0 J						0.42	14									**110**	2.4 J												2.9				**25**	
MW-112	10/13/04 Dup		0.87 J							15		0.56 J							**94**	2.1 J								0.60 J				2.9				**29**	
MW-112	1/26/2005		0.76 J							20									**85**	2.3 J																**27**	
MW-112	4/26/2005		0.6 J							13									64	1.2 J												1.8				**17**	
MW-112	8/3/2005								0.48 J										4.6																	**1.5**	
MW-112	10/25/2005																		2.5 J																	**1.4**	
MW-112	02/01/2006		0.41 J						0.45 J	3.2 J									11													0.76 J				**4.9**	
MW-112	4/25/2006								0.48 J	0.97 J									5.4																	**2.8**	
MW-112	7/27/2006								0.43 J			0.24 J							2.9																	**1.7**	
MW-112	7/27/2006 dup											0.52 J																								**1.5**	
MW-112	11/2/2006																		2.3 J																	**1.7**	
MW-112	2/1/2007								0.46J	1.4J									3.8																	**2.5**	
MW-112	5/2/2007								0.53J	1.3J									6.1																	**2.6**	
MW-112	8/14/2007								0.51 J										4.4																	**1.8**	
MW-112	8/14/2007 dup								0.51 J										4.9																	**1.6**	
MW-112	10/18/2007								0.49 J										4																	**1.2**	
MW-112	5/5/2008																		33.3													1.8				**1.3**	
MW-112	10/2/2008																		13.3													0.60J				**0.79J**	
MW-112	4/7/2009																		5.1													0.57J				**0.56J**	
MW-112	11/4/2009																																				
MW-112	5/20/2010																		2.7																	**0.33J**	
MW-112	4/11/2011																		1.8																		
MW-112	7/11/2011																		5.3						0.60J							1.5				**0.27J**	
MW-112	10/19/2011																		1.4																		
MW-112	1/24/2012																															0.76J					
MW-112	4/3/2012																																				

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
MW-112	7/25/2012																		1.5																	
MW-112	10/17/2012																																			
MW-112	1/16/2013																																			
MW-112	4/24/2013																																			
MW-112	10/24/2013																																			
MW-112	4/16/2014																																			
MW-112	10/24/2014																																			
MW-112	4/28/2015																																			
MW-112	10/28/2015																																			
MW-112	4/12/2016																																			
MW-112	10/27/2016																																			
MW-112	4/5/2017																																			
MW-112	10/18/2017																																			
MW-112	6/4/2018 [6]								0.12 J			0.042 JB							0.081 J								0.084 J					0.43					

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-113A	9/12/2002	NR									0.37J																		1.0J								
P-113A	12/3/2002	NR																																			
P-113A	4/23/2003																												2.2								
P-113A	10/22/2003																																				
P-113A	5/11/2004																																				
P-113A	8/2/2005																																				
P-113A	7/27/2006											0.84																									
P-113A	8/8/2007																																				
P-113A	5/6/2008																																				
P-113A	4/6/2009																																				
P-113A	10/29/2009											0.42J																									
P-113A	5/25/2010																																				
P-113A	10/6/2010																																				
P-113A	1/25/2011																																				
P-113A	4/13/2011																																				
P-113A	7/12/2011																								1.3												
P-113A	10/19/2011																																				
P-113A	1/23/2012																																				
P-113A	4/4/2012	7.5 J																																			
P-113A	7/25/2012																																				
P-113A	10/16/2012																																				
P-113A	1/15/2013																																				
P-113A	4/26/2013																																				
P-113A	7/2/2013																																				
P-113A	10/24/2013																																				
P-113A	1/9/2014																																				
P-113A	4/17/2014																																				
P-113A	7/17/2014																																				
P-113A	10/24/2014																								0.24 J												
P-113A	1/15/2015																																				
P-113A	4/28/2015																																				
P-113A	7/1/2015																																				
P-113A	10/27/2015																																				
P-113A	1/14/2016																																				
P-113A	4/13/2016																																				
P-113A	7/28/2016																																				
P-113A	10/27/2016																																				
P-113A	1/20/2017																																				
P-113A	4/6/2017																																				
P-113A	7/14/2017																																				
P-113A	10/18/2017																																				
P-113A	3/21/2018 [5]			NR			NR																NR	NR						NR			NR	NR		NR
P-113A	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR		NR
P-113A	6/5/2018 [6]											0.09 JB																									
P-113A	8/2/2018																																				

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-113B	9/11/2002	NR		0.59							1			0.35								0.41J							6.6							2.6
P-113B	12/3/2002	NR																																		
P-113B	4/23/2003																																			
P-113B	7/30/2003																																			
P-113B	10/22/2003																																			
P-113B	2/4/2004																																			
P-113B	5/11/2004																																			
P-113B	07/22/2004																																			
P-113B	10/14/2004											0.49 J																								
P-113B	1/27/2005																																			
P-113B	4/27/2005																																			
P-113B	8/2/2005																																			
P-113B	10/26/2005											0.42 J																								
P-113B	02/01/2006																																			
P-113B	4/24/2006																																			
P-113B	7/27/2006											0.49 J																								
P-113B	10/31/2006																																			
P-113B	1/31/2007																																			
P-113B	5/1/2007																																			
P-113B	8/8/2007																																			
P-113B	10/19/2007																																			
P-113B	5/6/2008																																			
P-113B	10/1/2008											0.29J																								
P-113B	4/6/2009																																			
P-113B	4/6/2009 Dup																																			
P-113B	10/29/2009																																			
P-113B	5/25/2010																																			
P-113B	10/6/2010																								0.51J											
P-113B	1/25/2011																								1.6											
P-113B	4/13/2011																																			
P-113B	7/12/2011																								1.3											
P-113B	10/19/2011											0.43J																								
P-113B	1/23/2012																																			
P-113B	4/4/2012																																			
P-113B	7/25/2012																																			
P-113B	10/16/2012																																			
P-113B	1/15/2013																																			
P-113B	4/26/2013																																			
P-113B	7/2/2013																																			
P-113B	10/24/2013																																			
P-113B	1/9/2014																																			
P-113B	4/17/2014																																			
P-113B	7/17/2014	4.0 J																																		
P-113B	10/24/2014	3.2 J																																		
P-113B	1/15/2015																																			
P-113B	4/28/2015																																			
P-113B	7/1/2015																																			

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-113B	10/27/2015																																			
P-113B	1/14/2016																																			
P-113B	4/13/2016																																			
P-113B	7/28/2016																																			
P-113B	10/27/2016																																			
P-113B	1/20/2017																																			
P-113B	4/6/2017																																			
P-113B	7/14/2017																																			
P-113B	10/18/2017																																			
P-113B	3/21/2018 [5]			NR			NR																NR	NR						NR				NR	NR		NR
P-113B	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR		NR
P-113B	6/5/2018 [6]							0.087 J				0.065 JB																								
P-113B	8/2/2018																																			

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-114	11/19/2001	NR																	0.93																	**7**	
P-114	2/5/2002	NR																	0.85																	**5.5**	
P-114	5/22/2002	NR																	1.2																	**6.2**	
P-114	8/21/2002	NR																	0.93																	**5.4**	
P-114	12/3/2002	NR																	1.3										0.40J							**6.3**	
P-114	4/23/2003																																			**3.3**	
P-114	10/23/2003																		1.2																	**8.6**	
P-114	10/23/03 Dup																		1.4																	**9.2**	
P-114	5/11/2004																		1.5 J																	**10**	
P-114	07/22/2004																		1.4 J																	**7.9**	
P-114	10/13/2004											0.39 J							1.7 J																	**10**	
P-114	1/27/2005																																			**3.5**	
P-114	4/26/2005																																			**3.0**	
P-114	8/2/2005																		1.1 J																	**6.1**	
P-114	10/26/2005											0.84							1.3 J																	**6.6**	
P-114	10/26/2005 dup											0.49							1.4 J																	**6.9**	
P-114	01/31/2006																		1.3 J																	**8.4**	
P-114	4/24/2006																		1.3 J																	**7.6**	
P-114	4/24/2006 dup																		1.3 J																	**7.9**	
P-114	7/27/2006											0.48 J							1.6 J																	**8.9**	
P-114	7/27/2006 dup											0.38 J							1.6 J																	**8.7**	
P-114	11/2/2006																		2.7 J																	**13**	
P-114	11/02/2006 dup																		2.7 J																	**13**	
P-114	2/1/2007																		1.2J						0.46J											**7.5**	
P-114	2/1/2007 dup																		1.4J																	**8.5**	
P-114	5/1/2007																		1.1J																	**7.4**	
P-114	5/1/2007 dup																		1.2J																	**7.8**	
P-114	8/8/2007																		1.1 J																	**6.7**	
P-114	8/8/2007 dup																		1.2 J																	**7.5**	
P-114	10/22/2007																		0.95 J																	**7.8**	
P-114	10/22/2007 Dup																		1.2 J																	**8.1**	
P-114	5/6/2008																		1.5																	**6.6**	
P-114	10/2/2008																		1.2																	**6.1**	
P-114	4/6/2009																		1.6						0.47J											**6.5**	
P-114	10/29/2009											1.5							1.5																	**4.7**	
P-114	2/26/2010																		1.6																	**5.1**	
P-114	5/26/2010																		1.3																	**4.5**	
P-114	5/26/2010 Dup																		1.3																	**4.3**	
P-114	10/6/2010																		1.4																	**5.4**	
P-114	10/6/10 Dup																		1.3																	**5.4**	
P-114	1/25/2011																		1.3																	**4.8**	
P-114	1/25/11 Dup																		1.3																	**5.3**	
P-114	4/13/2011																		1.6																	**8.2**	
P-114	4/13/2011 Dup																		1.7																	**8.5**	
P-114	7/12/2011																		1.3						0.80J											**5.6**	
P-114	7/12/2011 Dup																		1.5						0.67J											**5.8**	
P-114	10/19/2011																		1.2																	**5.6**	

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-114	10/19/2011 Dup																		1.3																	**5.5**	
P-114	1/23/2012																		1.1																	**5**	
P-114	1/23/2012 Dup																		1.3																	**5.1**	
P-114	4/4/2012																		1.5																	**7.2**	
P-114	4/4/2012 Dup																		1.5																	**7.5**	
P-114	7/25/2012																		1.2																	**6.5**	
P-114	7/25/2012 Dup																		1.4																	**6.3**	
P-114	10/17/2012																		1.6																	**6.6**	
P-114	10/17/2012 Dup																		1.6																	**6.4**	
P-114	1/16/2013																		1.2																	**8.2**	
P-114	1/16/13 Dup																		1.3																	**7.6**	
P-114	4/26/2013																		1.2																	**6.5**	
P-114	4/26/2013 Dup																		1.1																		
P-114	7/2/2013																																				
P-114	7/2/2013 Dup																		1.3																		
P-114	10/24/2013																		1.3																	**7.2**	
P-114	10/24/2013 Dup																		1.4																	**7**	
P-114	1/9/2014																		1.3																	**8.2**	
P-114	1/9/2014 Dup																		1.3																	**8.8**	
P-114	4/17/2014																		1.4																	**6.5**	
P-114	4/17/2014 Dup																		1.4																	**6.4**	
P-114	7/17/2014																		1.5																	**6.4**	
P-114	7/17/2014 Dup																		1.5																	**6.6**	
P-114	10/24/2014																		1.5																	**10**	
P-114	10/24/2014 Dup																		1.4																	**10**	
P-114	1/15/2015																		1.3																	**6.2**	
P-114	4/28/2015																		1.3																	**6.5**	
P-114	4/28/2015 Dup																		1.4																	**6.5**	
P-114	7/1/2015																		1.3																	**7**	
P-114	7/1/2015 Dup																		1.2																	**6.5**	
P-114	10/27/2015																		1.4																	**6.5**	
P-114	1/14/2016																		1.5																	**6.1**	
P-114	1/14/2016 Dup																		1.3																	**5.9**	
P-114	4/13/2016																		1.4																	**7**	
P-114	4/13/2016 Dup																		1.5																	**7.5**	
P-114	7/28/2016																		1.6																	**7.8**	
P-114	7/28/2016 Dup																		1.4																	**8.4**	
P-114	10/27/2016									0.72 J									1.5																	**6.4**	
P-114	10/27/2016 Dup									0.72 J									1.6																	**7.3**	
P-114	1/20/2017																		1.5																	**6.7**	
P-114	1/20/2017 Dup																		1.6																	**6.9**	
P-114	4/6/2017																		1.5																	**7**	
P-114	4/6/2017 Dup																		1.5																	**6.7**	
P-114	7/14/2017																		1.5																	**7**	
P-114	7/14/2017 Dup																		1.7																	**7.4**	
P-114	10/18/2017																		1.1																	**7.6**	
P-114	10/18/2017 Dup																		1.3																	**8.8**	

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-114	3/21/2018 [5]			NR			NR												1.3				NR	NR						NR			NR	NR	**6.2**	NR
P-114	3/21/2018 Dup [5]			NR			NR												1.4				NR	NR						NR			NR	NR	**6.3**	NR
P-114	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR	**4.7**	NR
P-114	3/21/2018 SIM Dup [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR	**4.7**	NR
P-114	6/5/2018 [6]							0.086 J							0.061 J				1.6																	**5.8**	
P-114	6/5/2018 Dup [6]									0.27									1.7																	**6.5**	
P-114	8/2/2018									0.44									1.6																	**6.2**	
P-114	8/2/2018 Dup									0.28									1.6																	**6.0**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-115	10/9/2001	NR																																		
P-115	10/09/01 Dup	NR																																		
P-115	11/19/2001	NR																																		
P-115	2/5/2002	NR																																		
P-115	5/22/2002	NR																																		
P-115	8/19/2002	NR										0.20J																								
P-115	12/3/2002	NR																																		
P-115	4/22/2003																																			
P-115	7/30/2003																																			
P-115	10/22/2003																																			
P-115	2/4/2004																																			
P-115	4/27/2004																																			
P-115	10/14/2004																																		**0.33 J**	
P-115	1/27/2005																																			
P-115	4/26/2005																																			
P-115	8/2/2005																																		**0.34 J**	
P-115	10/26/2005											0.24 J																							**0.33 J**	
P-115	1/31/2006																																			
P-115	4/24/2006																																		**0.62**	
P-115	7/27/2006																																		**0.44 J**	
P-115	10/31/2006																																		**0.39J**	
P-115	2/1/2007																																		**0.50J**	
P-115	5/1/2007																																		**0.54J**	
P-115	8/14/2007																																		**0.62**	
P-115	10/22/2007																																		**0.49 J**	
P-115	10/22/2007																																		**0.55 J**	
P-115	5/6/2008																																		**1.1**	
P-115	10/2/2008																																		**1.9**	
P-115	4/6/2009																																		**1.3**	
P-115	10/29/2009											1.6																							**1.3**	
P-115	2/26/2010											0.30J																							**0.95J**	
P-115	5/26/2010																																			
P-115	10/6/2010																																		**1.2**	
P-115	1/25/2011																																		**0.86J**	
P-115	4/13/2011																																		**1.4**	
P-115	7/12/2011																								0.69J										**0.99J**	
P-115	10/19/2011																																		**1**	
P-115	1/23/2012																																		**0.77J**	
P-115	4/4/2012	7.2 J																																	**1.3**	
P-115	7/25/2012																																		**1.1**	
P-115	10/17/2012																																			
P-115	1/16/2013																																		**1.3**	
P-115	4/26/2013																																		**1.1**	
P-115	7/2/2013																																			
P-115	10/24/2013																																		**1.1**	
P-115	1/9/2014																																		**1.5**	
P-115	4/17/2014																																		**1**	

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-115	7/17/2014																																			**1.1**	
P-115	10/24/2014																																			**1.7**	
P-115	1/15/2015																																			**1.1**	
P-115	4/28/2015																																			**1.1**	
P-115	7/1/2015																																			**1.2**	
P-115	10/27/2015																																			**1.1**	
P-115	1/14/2016																																			**0.95 J**	
P-115	4/13/2016																																			**1**	
P-115	7/28/2016																																			**1.1**	
P-115	10/27/2016																																			**0.81 J**	
P-115	4/6/2017																																			**1.1**	
P-115	7/14/2017																																			**1**	
P-115	10/18/2017																																			**1.4**	
P-115	3/21/2018 [5]			NR			NR																NR	NR						NR			NR	NR	**0.62 J**	NR
P-115	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR	**0.85**	NR
P-115	6/5/2018 [6]																		0.13 J																	**0.98**	
P-115	8/2/2018																		0.14																	**0.97**	

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

		Parameters																																		
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-116	10/9/2001	NR																																		
P-116	11/19/2001	NR																												0.18						
P-116	2/5/2002	NR																																		
P-116	5/22/2002	NR																																		
P-116	8/19/2002	NR																																		
P-116	08/19/02 Dup	NR																																		
P-116	12/3/2002	NR																																		
P-116	12/03/02 Dup	NR																																		
P-116	4/22/2003																																			
P-116	7/30/2003																																			
P-116	10/22/2003																																			
P-116	2/4/2004																																			
P-116	5/11/2004																																			
P-116	7/22/2004																																			
P-116	10/14/2004																																			
P-116	1/27/2005																																			
P-116	4/26/2005																																			
P-116	8/2/2005																																			
P-116	10/26/2005																																			
P-116	1/31/2006																																			
P-116	01/31/06 Dup																																			
P-116	4/24/2006																																			
P-116	7/27/2006											0.35 J																								
P-116	10/31/2006																																			
P-116	2/1/2007																																			
P-116	5/1/2007																																			
P-116	8/8/2007																																			
P-116	10/22/2007																																			
P-116	5/6/2008																																			
P-116	10/2/2008																																			
P-116	4/6/2009																																			
P-116	10/29/2009																																			
P-116	2/26/2010																								1.1											
P-116	5/25/2010																																			
P-116	10/6/2010																								0.44J											
P-116	1/25/2011																																			
P-116	4/13/2011																																			
P-116	7/12/2011																								0.46J											
P-116	10/19/2011																																			
P-116	1/23/2012																																			
P-116	4/4/2012																																			
P-116	7/25/2012																																			
P-116	10/17/2012																																			
P-116	1/15/2013																																			
P-116	4/26/2013																																			
P-116	7/2/2013																																			
P-116	10/24/2013																																			

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

		Parameters																																	
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
NR140	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000
P-116	1/9/2014																																				
P-116	4/17/2014																																				
P-116	7/17/2014																																				
P-116	10/24/2014																																				
P-116	1/15/2015	4.2 J																																			
P-116	4/28/2015																																				
P-116	7/1/2015																																				
P-116	10/27/2015																																				
P-116	1/14/2016																																				
P-116	4/13/2016																																				
P-116	7/28/2016																																				
P-116	10/27/2016																																				
P-116	1/20/2017																																				
P-116	4/6/2017																																				
P-116	7/14/2017																																				
P-116	10/18/2017																																				
P-116	3/21/2018 [5]			NR			NR																NR	NR						NR				NR	NR		NR
P-116	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR		NR
P-116	6/5/2018 [6]							0.3																													
P-116	8/2/2018																																				
P-117	1/20/2017																		0.89 J																	**1.4**	
P-117	4/6/2017																		0.98 J																	**1.5**	
P-117	7/14/2017																		1.1																	**1.4**	
P-117	10/18/2017																		0.79 J																	**1.4**	
P-117	3/21/2018 [5]			NR			NR												0.66 J				NR	NR						NR				NR	NR	**0.89 J**	NR
P-117	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR	0.057	NR	NR	NR	**1.0**	NR
P-117	6/5/2018 [6]		0.019 J							0.55		0.044 JB							0.83													0.053 J				**1.4**	
P-117	8/2/2018		0.020							0.30									0.87													0.058				**1.2**	
P-118	10/18/2017																																				
P-118	3/21/2018 [5]			NR			NR																NR	NR						NR				NR	NR		NR
P-118	3/21/2018 SIM [5]			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR		NR	NR	NR		NR	NR	NR	NR	NR	NR	NR	NR		NR		NR	NR	NR		NR
P-118	6/5/2018 [6]							0.15 J				0.061 JB																									
P-118	8/2/2018																																			<u>0.070</u>	
Gaastra [3]	1/14/2016																																				
Gaastra [3]	4/12/2016																																				
Gaastra [3]	7/28/2016																																			**1.1**	
Gaastra [3]	10/27/2016																																			**1**	
Gaastra [3]	1/20/2017																																			**0.76 J**	
Gaastra [3]	4/5/2017																																				
Perry [4]	1/14/2016							0.73 J																													
Perry [4]	4/12/2016							1.2 J																													
Perry [4]	7/28/2016																																				
Perry [4]	10/27/2016																																				
Perry [4]	1/20/2017											0.71 J																									
Perry [4]	4/5/2017																																				

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

		Parameters																																
Sampling Point	Collection Date	Acetone [1]	Benzene	Bromodichloromethane	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dibromochloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Isopropyl Ether	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	0.06	1	90	NE	200	NE	80	0.6	0.3	15	6	200	85	0.5	0.7	7	20	0.5	140	NE	NE	0.5	12	0.5	10	200	14		0.5	NE	96		0.02	1000
	ES	1000	5	0.6	10	460	NE	1000	NE	400	6	3	75	60	1000	850	5	7	70	100	5	700	NE	NE	5	60	5	50	1000	70		5	NE	480		0.2	10000

Results in µg/L (microgram per liter)

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

PAL = Preventive Action Limit
ES = Enforcement Standard
Underline indicates exceeds NR 140 PAL
Bolding indicates exceeds NR 140 ES
Blank = Sample analyzed but No VOCs detected
Historical data for abandoned wells MW-105, P-105, P-109 and MW-110 can be found in reports prior to October 2004

* 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.
[3] Gaastra residence connected to city's water supply July 13, 2015. Outside faucet connected to original well for sampling purposes.
[4] Perry residence connected to city's water supply September 7, 2015. Outside faucet connected to original well for sampling purposes.
[5] Test America began analyzing samples in March 2018. Both standard 8260C and 8260SIM analysis were performed, and reported.
[6] CT Laboratories began analyzing samples in June 2018. Low Level 8260C analysis performed and reported.
P-114 (former Ehster well)
P-115 (former Wiese well)
P-116 (former Hadel well)

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
MW-101	2/1/2007									558	6.59	7.4
	5/1/2007									1021	6.92	13.1
	5/6/2008									782	7.18	12.4
	4/8/2009									940	6.75	12.5
	10/29/2009	<0.20	0.39	>2.5	>100	<0.2	0.015	-98	3.17	914	6.85	11.8
	5/25/2010	<0.20	0.08	>2.5	>100	<0.2	0.0192	-73	1.65	961	6.55	25.3
	10/4/2010	0.08			>100		0.0136	-63	2.13	1265	6.95	15.8
	1/26/2011			>2.5				-14	2.51	938	7.39	6.2
	4/11/2011									1020	7.48	14.1
	4/3/2012									960	7.10	13.0
MW-103	2/1/2007									2670	6.95	5.7
	5/2/2007									1180	6.64	10.8
	10/18/2007									1609	6.74	13.0
	5/5/2008									1420	7.06	12.2
	10/2/2008									1411	6.69	11.3
	4/7/2009									1433	7.17	10.3
	10/28/2009	<0.20	>0.80	0.42	>100	<0.2	0.00042	24	4.21	1780	6.79	10.7
	2/25/2010	>1.5	<0.08	<0.1	>100	<0.2	<0.0028	55	4.1	2	6.96	8.6
	5/24/2010	>1.5	<0.08	0.11	>100	<0.2	<0.0028	86	2.84	2110	6.49	17.7
	10/4/2010	>1.5			>100		0.0235	46	3.33	1920	7.22	12.9
	1/26/2011			0.09				62	4.52	1700	7.22	5.5
	4/11/2011			0.07				136	5.02	1217	6.79	13.8
	7/11/2011			0.13				33	3.54	1660	7.14	18.7
	10/19/2011			<0.1				171	4.01	1580	6.88	8.7
	1/24/2012			<0.1				144	3.28	1930	6.98	6.1
	4/3/2012			<0.1				98	3.25	2130	6.88	12.4
	7/25/2012			0.323				58	2.56	1950	6.71	21.4
	10/17/2012			<0.1				59	6.02	1690	6.96	12.7
	1/16/2013			<0.1				36	3.67	1730	7.00	6.6
	4/24/2013			0.394				41	3.29	1454	7.05	11.3
	10/24/2013			0.207				33	5.26	1356	7.10	7.9
	4/16/2014			0.177				85	4.35	1210	7.30	8.3
	10/23/2014			0.25				65	5.3	1387	7.28	10.1
	4/28/2015			0.274				47	4.16	1425	7.41	11.7
	4/12/2016			0.361				44	4.77	1392	7.14	11.9
	10/27/2016			0.295				NM	NM	1358	6.86	9.0
	4/5/2017			0.558				91	5.94	1371	7.00	9.3
	10/18/2017			0.06				17	4.65	1259	7.09	13.6
	6/4/2018			0.01				97	4.51	509	7.08	16.9
MW-104	10/19/2011									1312	6.78	9.9
	4/3/2012									1134	6.90	12.3
	10/17/2012									1517	6.71	12.7
	4/24/2013									1396	6.87	12.2
	4/16/2014									1138	7.20	10.4
	4/15/2015									1205	6.92	14.2
	4/12/2016									1130	7.15	12.0
	4/5/2017[1]									1108	6.53	10.4
	6/4/2018									1124	6.95	16.7

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
MW-107	4/21/2003						0.13	185.70	21.27	1021	7.00	9.84
	4/22/2003				30			74.10	5.70	1024	7.06	10.32
	10/21/2003	3.3			32			79.30	5.80	1211	6.92	9.64
	5/1/2007									570	6.93	10.5
	10/17/2007									1297	7.09	13.1
	5/5/2008									796	7.54	11.5
	10/1/2008									1240	6.86	10.1
	4/7/2009									1226	7.50	10.2
	10/28/2009	>1.5	0.18	0.61	>100	<0.2	<0.000180	-1	5.78	956	7.13	11.6
	5/24/2010	>1.5	0.32	1.86	>100	0.71	<0.0028	61	3.08	1087	6.89	20.7
	10/4/2010	>1.5		0.7	49.95		ND	76	6.38	1650	7.62	10.6
	1/26/2011			0.85				45	4.74	249	7.35	6.0
	4/11/2011									1100	8.12	11.2
	10/18/2011									1225	7.51	10.1
	4/3/2012									983	7.50	11.5
	10/17/2012									1076	7.10	13.0
	4/24/2013									1144	7.34	11.0
	4/16/2014									877	7.61	10.9
	4/15/2015									1078	7.33	12.4
	4/12/2016									1067	7.85	11.8
	4/5/2017[1]									996	7.12	9.2
	6/4/2018									1776	7.41	16.1
MW-111	12/5/2002									866	7.15	7.84
	8/8/2007									920	7.45	11.4
	5/5/2008									732	7.45	11.9
	4/7/2009									867	7.22	10.8
	10/28/2009	>1.5	<0.08	0.26	>100	<0.2	0.00031	3	6.66	836	6.66	11.4
	5/24/2010	1.09	0.22	1.39	>100	0.44	<0.0028	71	2.73	958	6.80	22.7
	10/4/2010	0.99		0.02	>100		ND	85	4.87	995	7.72	9.6
	1/26/2011			0.25				26	4.56	849	7.28	7.6
	4/11/2011									900	7.94	11.2
	4/3/2012									846	7.60	11.7
MW-112	7/11/2011			>2.5				-51	1.49	951	7.34	16.5
	10/19/2011			>2.5				-46	1.12	907	7.01	8.9
	1/24/2012			>2.5				-26	1.32	1060	7.16	8.0
	4/3/2012			>2.5				-77	1.19	1210	6.96	11.7
	7/25/2012			>2.5				-75	1.37	1071	6.89	18.9
	10/17/2012			>2.5				-113	1.08	992	7.15	12.7
	1/16/2013			>2.5				-72	1.80	1003	7.10	7.9
	4/24/2013			>2.5				45	1.56	1052	7.11	12.1
	10/24/2013			>2.5				42	1.92	982	7.43	8.6
	4/16/2014			>2.5				-76	0.91	949	7.36	9.9
	10/23/2014			>2.5				52	1.87	874	7.42	9.9
	4/28/2015			2.296				61	1.33	1018	7.36	13.0
	10/28/2015			>2.5				59	1.79	905	6.61	10.8
	4/12/2016			>2.5				-39	1.39	904	6.97	11.5
	10/27/2016			>2.5				NM	NM	907	6.97	9.7
	4/5/2017			>2.5				-19	1.57	937	7.18	8.8
	10/18/2017			>2.5				-74	1.20	1019	7.09	13.3
	6/4/2018			>2.5				-31	1.92	627	7.14	17.8

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-101	12/4/2002				50			-53.5	0.08	843	7.12	9.26
	4/22/2003				51			-36.9	0.81	646	7.46	10.12
	10/23/2003	<0.058			49			-65.5	0.66	754	7.04	10.20
	5/1/2007									828	7.57	11.7
	5/6/2008									735	7.69	11.3
	4/8/2009									749	7.24	11.4
	10/29/2009	0.39	0.12	1.84	71.36	<0.2	0.00059	-108	2.2	880	7.32	11.2
	5/25/2010	<0.20	<0.08	1.38	70.81	<0.2	<0.0028	-48	1.04	925	6.62	25.5
	10/4/2010	0.08			69.72		ND	-92	1.9	948	7.51	15.0
	1/26/2011			1.24				-31	2.65	829	7.26	5.8
	4/11/2011									840	7.96	12.8
	4/3/2012									776	7.40	11.6
P-103	12/4/2002				54		0.037	-60.50	1.17	956	7.00	9.49
	4/21/2003				58			-29.90	0.71	388	7.28	10.50
	10/22/2003	0.41			54			-147.10	0.82	874	7.17	10.06
	2/1/2007							172	0.53	903	6.86	9.0
	5/2/2007							206	0.92	896	6.78	9.9
	8/14/2007							226	0.70	863	7.09	11.4
	10/18/2007							300	0.51	863	6.35	11.0
	5/5/2008							30	0.93	956	6.98	10.5
	10/2/2008							323	1.37	888	6.70	10.8
	4/7/2009							-95	1.09	813	7.40	9.8
	10/28/2009	0.45	<0.08	<0.1	78.95	<0.2	0.052	-125	0.85	739	7.19	10.2
	2/25/2010	>1.5	NM	NM	83.29	<0.2	0.0416	-120	1.62	845	7.25	9.0
	5/24/2010	<0.20	<0.08	>2.5	89.8	<0.2	0.0489	-104	0.38	815	7.00	11.2
	10/5/2010	0.08			85.02		0.0562	-128	1.15	874	7.86	10.9
	1/25/2011			2.5				-69	0.64	776	7.60	9.3
	4/12/2011			>2.5				-125	1.22	906	7.19	10.0
	7/11/2011			>2.5				-123	0.83	743	7.92	11.5
	10/18/2011			>2.5				-76	1.60	737	7.38	10.3
	1/24/2012			>2.5				-47	0.65	878	7.27	9.0
	4/4/2012			2.489				-96	0.93	985	7.26	10.2
	7/25/2012			>2.5				-100	0.67	855	6.94	11.7
	10/17/2012			>2.5				-101	1.00	808	6.83	10.5
	1/16/2013			2.102				-123	0.51	824	7.15	9.3
	4/26/2013			>2.5				-86	0.59	790	7.45	10.4
	10/24/2013			>2.5				0	1.43	815	6.29	10.0
	4/16/2014			>2.5				-78	1.71	767	7.56	9.5
	10/23/2014			>2.5				40	0.96	687	7.16	10.2
	4/28/2015			>2.5				75	0.53	802	7.03	9.9
	10/27/2015			>2.5				33	1.37	731	7.61	10.2
	4/13/2016			>2.5				-29	1.37	722	6.81	9.3
	10/27/2016			>2.5				-2	1.50	719	6.70	10.1
	4/6/2017[1]			NM				90	1.13	730	6.28	9.5
	10/18/2017			>2.5				-76	0.85	789	7.16	10.4
	6/4/2018			>2.5				96	4.54	501	7.08	16.8
P-106	4/24/2013							-6	3.17	764	7.26	9.8
	4/16/2014							-74	1.40	730	7.67	9.5
	4/15/2015							63	0.57	770	7.25	10.0
	4/12/2016							-46	0.83	681	6.79	9.8
	4/5/2017[1]							-104	1.11	682	7.47	9.7
	6/4/2018							-73	0.57	481	7.52	10.7

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-107	12/4/2002	NM	NM	NM	66		0.11	-28.00	0.86	791	7.22	9.40
	4/21/2003				74			37.30	0.76	646	7.43	9.62
	10/21/2003	<0.058						-70.40	0.92	716	7.18	9.73
	5/1/2007							240	1.64	840	6.66	9.6
	10/19/2007							330	1.80	863	6.42	10.7
	5/5/2008							8	1.50	925	7.50	11.0
	10/1/2008							350	2.63	923	6.66	10.2
	4/7/2009							-95	1.75	852	7.34	9.0
	10/28/2009	<0.20	<0.08	1.68	89.8	<0.2	0.31	-78	1.19	778	7.08	10.9
	5/24/2010	<0.20	<0.08	1.76	99.39	<0.2	0.383	-70	1.12	869	6.92	13.2
	10/5/2010	0.06			88.68		0.345	-117	1.84	930	7.86	10.8
	1/24/2011			1.33				-28	1.82	838	6.73	7.8
	4/12/2011							-68	1.39	966	7.16	10.1
	10/18/2011							-49	1.50	796	7.34	10.4
	4/4/2012							-82	1.64	1051	7.26	10.2
	10/17/2012							-88	1.55	886	7.28	11.3
	4/26/2013							-76	2.16	860	7.53	10.8
	4/16/2014							-69	1.77	847	7.58	8.9
	4/15/2015							72	1.31	900	7.26	11.0
	4/13/2016							-51	0.95	805	7.32	7.7
	4/6/2017[1]							-70	1.57	813	7.37	9.5
	6/4/2018							-34	1.08	418	7.37	11.8
P-111	12/5/2002				44			-88.30	-0.03	639	7.43	9.76
	4/22/2003				39			-74.20	0.67	486	7.71	12.06
	10/22/2003	<0.058			31			-94.00	0.75	566	7.53	9.87
	8/14/2007							118	0.35	580	7.46	11.1
	5/5/2008							65	0.35	614	7.72	10.5
	4/7/2009							-89	0.26	624	7.62	9.1
	10/28/2009	<0.20	<0.08	0.53	64.03	<0.2	0.0085	-140	0.48	616	7.57	10.1
	5/24/2010	<0.20	<0.08	0.61	70.99	<0.2	0.0051	-101	0.24	673	7.25	10.5
	10/5/2010	0.06			69.06		0.0065	-131	0.28	715	8.26	10.3
	1/24/2011			0.45				-98	0.58	632	7.35	9.1
	4/13/2011							-53	1.46	683	6.99	9.7
	4/4/2012							-104	0.60	832	7.53	9.9

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FF/NN Landfill, Ripon, WI

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
MW-3B	12/5/2002				36			-87	-0.11	1248	6.57	9.84
	12/5/2002				36							
	4/22/2003				46			-92	0.37	815	7.18	9.86
	10/22/2003	<0.058			43			-161	0.55	662	7.45	9.79
	1/31/2007							140	0.51	710	7.27	8.2
	5/1/2007							125	1.32	703	6.99	9.5
	8/8/2007							-233	0.43	605	7.49	10.3
	10/19/2007							170	0.29	598	6.63	9.8
	5/6/2008							21	0.40	672	7.89	9.7
	10/1/2008							334	1.35	646	6.90	9.7
	4/7/2009							-116	0.20	604	7.48	8.8
	10/28/2009	<0.20	<0.08	0.72	37.68	<0.2	0.098	-230	0.35	567	7.65	9.4
	5/24/2010	<0.20	<0.08	0.78	50.67	<0.2	0.0275	-176	0.17	650	7.27	10.2
	10/5/2010	0.05		0.61	43.23		0.0159	-161	8.80	697	8.24	9.9
	1/24/2011			0.66				-109	0.44	614	6.90	8.4
	4/13/2011			0.84				-207	0.52	694	7.65	9.5
	7/12/2011			0.68				-195	0.96	591	7.54	9.9
	10/19/2011			0.71				-171	2.18	604	7.89	9.5
	1/23/2012			0.79				-110	0.28	734	7.37	8.7
	4/4/2012			0.861				-151	1.39	811	7.57	9.3
	7/25/2012			0.681				-231	0.39	693	7.65	11.6
	10/16/2012			0.72				-157	0.42	675	7.36	10.0
	1/15/2013			0.874				-233	1.60	702	7.62	8.9
	4/26/2013			0.85				-158	2.59	681	7.90	9.6
	7/2/2013			0.804				-91	0.35	707	7.34	9.9
	10/24/2013			0.774				-18	0.59	684	7.60	9.4
	1/9/2014			0.911				10	1.82	640	7.53	8.4
	4/17/2014			0.784				-142	1.01	679	7.91	9.2
	7/17/2014			0.811				-22	0.38	708	7.65	9.9
	10/23/2014			1.219				-189	0.29	622	8.00	9.4
	1/15/2015			0.874				-196	0.48	669	7.96	8.6
	4/28/2015			<0.1				-127	0.84	736	7.30	9.5
	7/1/2015			0.991				-144	0.42	694	7.66	9.6
	10/27/2015			0.997				-114	0.48	667	8.26	9.7
	1/14/2016			0.923				-59	0.28	633	7.21	8.8
	4/13/2016			1.095				-140	0.31	666	7.81	8.8
	7/28/2016			1.19				-234	0.29	584	7.89	10.1
	10/27/2016			1.137				-203	0.44	684	7.50	9.5
	1/20/2017			1.335				-136	0.42	722	7.50	8.9
	4/6/2017[1]			NM				-184	0.31	683	7.67	9.2
	7/14/2017			1.04				-128	0.39	648	7.39	9.8
	10/18/2017			1.02				-124	0.29	775	7.45	10.1
	3/21/2018			1.00				-133	0.45	621	7.90	8.9
	6/4/2018			0.86				-2	0.30	359	7.60	9.8
	8/2/2018			0.91				-176	0.40	623	7.74	9.9

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-103D	5/2/2007							260	0.57	879	6.89	9.9
	10/18/2007							321	0.54	854	6.43	11.2
	5/5/2008							20	0.63	935	7.02	10.8
	10/2/2008							327	3.40	877	6.85	10.7
	4/7/2010							-110	0.45	808	7.61	10.0
	10/28/2009	<0.20	0.17	>2.5	76.38	<0.2	0.098	-146	0.52	746	7.30	10.2
	2/25/2010		<0.08	>2.5	78.05	<0.2	0.0747	-146	0.76	842	7.39	9.2
	5/24/2010	<0.20	<0.08	>2.5	88.88	<0.2	0.0303	-111	0.37	853	7.08	11.1
	10/5/2010	0.11			93.48		**0.0659**	-147	1.10	898	7.97	10.9
	1/25/2011			>2.5				-71	0.73	781	7.56	9.4
	4/12/2011			>2.5				-132	1.09	906	7.26	10.2
	7/11/2011			>2.5				-138	1.34	751	8.12	11.6
	10/18/2011			>2.5				-82	1.28	768	7.41	10.2
	1/24/2012			>2.5				-64	0.40	895	7.28	9.3
	4/4/2012			>2.5				-114	0.59	1004	7.36	10.2
	7/25/2012			>2.5				-109	0.78	846	6.75	11.4
	10/17/2012			>2.5				-115	1.74	835	7.13	10.4
	1/16/2013			1.715				-129	0.31	832	7.00	9.4
	4/26/2013			>2.5				-97	1.41	806	7.50	10.4
	7/2/2013			>2.5				6	0.57	839	6.56	10.7
	10/24/2013			>2.5				74	0.40	835	6.67	9.9
	1/9/2014			>2.5				62	2.03	754	6.91	8.9
	4/16/2014			>2.5				-103	0.74	784	7.69	9.8
	7/17/2014			0.754				97	0.82	822	6.61	10.8
	10/23/2014			>2.5				68	0.69	701	6.86	10.2
	1/15/2015			>2.5				-42	1.48	754	6.92	9.1
	4/28/2015			>2.5				-38	0.58	823	6.75	10.3
	7/1/2015			>2.5				-20	0.87	782	6.63	10.5
	10/27/2015			>2.5				44	0.39	758	6.48	10.3
	1/14/2016			>2.5				23	0.76	713	6.47	9.2
	4/13/2016			>2.5				-49	0.41	794	9.03	9.3
	7/28/2016			>2.5				-29	0.76	748	6.85	10.8
	10/27/2016			>2.5				29	0.91	744	6.40	10.1
	1/20/2017			>2.5				61	1.05	752	6.44	9.5
	4/6/2017[1]			NM				-41	1.54	751	7.27	9.7
	7/14/2017			>2.5				-61	0.41	711	7.02	10.4
	10/18/2017			>2.5				-55	0.59	810	7.13	10.4
	3/21/2018			>2.5				-127	0.57	685	7.46	9.3
	6/4/2018			>2.5				-31	0.60	439	7.38	10.7
	8/2/2018			>2.5				-49	0.63	726	6.88	10.5

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-111D	12/5/2002				62			-75.60	-0.02	910	7.32	9.75
	4/23/2003				64			-20.50	0.94	706	7.63	9.98
	10/23/2003	<0.058			65			-68.30	0.70	838	7.17	9.78
	1/31/2007							74	0.72	885	7.30	8.9
	5/1/2007							78	3.37	900	7.05	10.0
	8/8/2007							55	0.55	900	7.25	10.9
	10/19/2007							296	0.53	897	6.90	10.7
	5/6/2008							15	0.56	980	7.56	10.6
	10/1/2008							330	2.31	907	7.07	10.0
	4/7/2009							-97	1.98	821	7.52	9.3
	10/28/2009	<0.20	<0.08	1.79	60.63	<0.2	0.33	-171	0.46	764	7.51	10.0
	2/25/2010	0.43	<0.08	1.62	65.7	<0.2	0.123	-125	0.86	871	7.45	6.0
	5/24/2010	<0.20	<0.08	1.83	70.59	0.25	0.31/0.239 Dup	-136	0.24	840	7.21	10.7
	10/5/2010	0.08		1.75	61.2		0.269/0.222 Dup	-148	0.75	886	8.13	10.3
	1/24/2011			1.72				-101	0.77	801	6.83	8.9
	4/13/2011			1.89				-126	0.42	873	7.19	9.9
	7/11/2011			1.87				-178	0.88	759	7.37	11.0
	10/18/2011			1.57				-95	2.43	752	7.71	10.0
	1/23/2012			1.87				-68	0.33	898	7.31	9.3
	4/4/2012			1.693				-128	0.72	1009	7.50	10.0
	7/25/2012			1.227				-171	0.65	850	7.49	11.5
	10/17/2012			1.324				-131	0.51	838	7.56	10.5
	1/16/2013			0.339				-177	1.93	870	7.45	9.4
	4/26/2013			1.486				-114	1.16	838	7.71	10.5
	7/2/2013			1.505				-53	1.38	870	7.27	10.5
	10/24/2013			1.302				31	0.53	853	7.46	9.8
	1/9/2014			1.451				88	2.90	790	6.54	9.0
	4/17/2014			1.495				-106	0.53	839	7.86	9.6
	7/17/2014			<0.1				62	0.37	879	7.51	10.6
	10/23/2014			1.419				-93	0.43	753	7.99	9.9
	1/15/2015			1.227				-179	0.49	814	7.81	9.2
	4/28/2015			0.231				3	0.27	886	7.94	10.0
	7/1/2015			1.157				-103	0.44	842	7.44	10.2
	10/27/2015			1.241				-49	1.37	817	7.72	10.2
	1/14/2016			1.31				-37	0.50	794	7.12	9.1
	4/13/2016			1.493				-97	0.40	827	7.54	9.2
	7/28/2016			1.073				-157	0.43	823	7.60	10.8
	10/27/2016			1.102				-94	0.78	828	7.26	9.9
	1/20/2017			1.309				13	0.59	837	7.19	9.4
	4/6/2017[1]			NM				31	0.54	849	7.24	9.7
	7/14/2017			1.03				-126	0.40	790	7.37	10.2
	10/18/2017			0.75				-93	0.50	920	7.46	10.5
	3/21/2018			0.9				-120	0.60	752	7.83	9.2
	6/5/2018			1.19				-57	2.04	433	7.55	10.1
	8/2/2018			0.93				-76	1.20	796	7.37	10.3

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-113B	12/3/2002				47			27.20	0.39	960	6.80	10.18
	4/23/2003				56			-54.30	1.05	715	7.22	10.13
	10/22/2003	<0.058			49			-125.40	0.46	616	7.42	10.13
	1/31/2007							109	0.40	620	7.33	8.8
	5/1/2007							113	1.03	625	7.03	10.2
	8/14/2007							110	0.28	618	7.28	11.1
	10/22/2007							252	0.53	629	6.70	10.3
	5/6/2008							-16	0.33	716	7.31	10.3
	10/2/2008							328	2.47	674	7.12	10.6
	4/6/2009							-122	0.40	627	7.54	9.2
	10/29/2009	<0.20	<0.08	0.83	70.14	<0.2	0.057	-187	0.42	579	7.33	10.3
	5/25/2010	<0.20	<0.08	1.19	80.11	<0.2	<0.0028	-145	0.17	646	7.26	10.9
	10/6/2010	0.1		0.98	75.55		ND	-183	0.35	685	8.09	11.0
	1/25/2011			0.9				-86	0.94	619	7.50	9.8
	4/13/2011			1.11				-164	1.11	675	7.44	10.2
	7/12/2011			0.99				-164	0.47	588	7.43	10.5
	10/19/2011			0.94				-118	0.50	588	7.71	10.2
	1/23/2012			0.99				-75	0.29	703	7.57	9.3
	4/4/2012			1.034				-104	0.72	783	7.08	9.7
	7/25/2012			0.947				-167	0.67	668	7.56	11.5
	10/16/2012			0.998				-117	0.43	655	7.51	11.0
	1/15/2013			1.06				-106	0.71	674	7.40	9.2
	4/26/2013			0.938				-125	0.78	651	7.84	10.3
	7/2/2013			1.081				-80	1.01	679	7.41	10.7
	10/24/2013			0.879				-96	1.29	675	7.20	10.6
	1/9/2014			0.955				-25	1.93	614	7.50	9.4
	4/17/2014			<0.1				-94	0.99	642	7.85	9.4
	7/17/2014			<0.1				-18	0.32	675	7.78	10.7
	10/23/2014			0.668				-154	0.43	582	7.84	10.4
	1/15/2015			1.048				-213	0.90	630	7.70	9.7
	4/28/2015			<0.1				-123	1.34	685	7.30	10.1
	7/1/2015			1.058				-120	0.79	647	7.68	10.2
	10/27/2015			1.071				-98	0.27	633	7.35	10.5
	1/14/2016			1.018				-227	0.54	639	8.70	9.4
	4/13/2016			1.098				-135	0.35	626	7.81	9.4
	7/28/2016			0.968				-229	0.46	633	7.79	10.7
	10/27/2016			0.922				-88	0.92	632	7.43	10.1
	1/20/2017			1.341				-118	0.56	668	7.57	9.7
	4/6/2017[1]			NM				-138	0.52	638	7.64	9.8
	7/14/2017			1.04				-154	0.82	605	7.46	10.6
	10/18/2017			0.99				-117	0.48	721	7.53	11.3
	3/21/2018			1.06				-132	0.59	579	7.92	9.5
	6/5/2018			0.69				-79	0.64	215	7.67	10.4
	8/2/2018			1.00				-112	0.57	601	7.56	10.5

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-114 (Ehster)	12/3/2002				44					695	7.71	11.10
	4/23/2003				63			-117.00	0.85	669	7.71	10.00
	10/23/2003	<0.058			49			-125.10	0.54	1379	7.31	9.87
	2/1/2007							151	0.21	674	7.27	9.9
	5/1/2007							149	0.96	686	7.08	10.2
	8/8/2007							202	0.34	667	7.45	11.0
	10/22/2007							313	0.90	670	6.71	10.2
	5/6/2008							14	0.74	775	7.23	10.2
	10/2/2008							307	2.34	737	7.01	10.4
	4/6/2009							-76	0.45	687	7.58	9.5
	10/29/2009	0.22	<0.08	0.56	50.61	<0.2	0.28	-120	0.44	636	7.41	10.0
	2/26/2010	0.61	0.11	0.54	49.43	<0.2	0.285	-148	0.35	707	7.62	9.2
	5/26/2010	<0.20	0.15	0.6	57.47	<0.2	0.138/0.194 Dup	-129	0.66	703	7.27	10.4
	10/6/2010	0.11		0.72	57.18		0.186/0.224 Dup	-182	0.86	766	8.28	10.6
	1/25/2011			0.6				-58	0.42	679	7.60	9.3
	4/13/2011			0.65				-147	0.42	744	7.49	9.9
	7/12/2011			0.57				-134	1.95	646	7.48	10.5
	10/19/2011			0.62				-123	1.49	652	7.82	10.0
	1/23/2012			0.93				-78	0.35	785	7.60	9.1
	4/4/2012			0.598				-116	0.66	873	7.63	9.8
	7/25/2012			0.556				-200	0.40	748	7.63	11.0
	10/17/2012			0.757				-131	0.76	733	7.55	10.5
	1/16/2013			<0.1				-184	0.43	753	7.55	9.4
	4/26/2013			0.96				3	1.56	731	7.61	9.7
	7/2/2013			0.721				-88	0.34	766	7.47	10.5
	10/24/2013			0.726				-89	0.37	772	7.29	9.9
	1/9/2014			0.64				-21	1.18	694	7.58	9.2
	4/17/2014			0.755				-120	0.63	730	7.95	9.7
	7/17/2014			<0.1				-17	0.33	774	7.86	10.1
	10/23/2014			1.027				-110	0.27	667	7.91	10.0
	1/15/2015			0.747				-194	0.37	720	7.93	9.3
	4/28/2015			<0.1				-38	0.23	775	8.20	9.7
	7/1/2015			0.806				-113	0.41	744	7.67	10.2
	10/27/2015			1.863				-119	0.30	731	7.57	10.1
	1/14/2016			0.691				-72	0.43	697	7.76	9.3
	4/13/2016			0.811				-137	0.30	719	7.86	9.4
	7/28/2016			0.81				-228	0.33	731	7.83	10.5
	10/27/2016			0.749				-167	0.28	732	7.49	10.0
	1/20/2017			1.148				-122	0.26	780	7.56	9.4
	4/6/2017[1]			NM				-134	0.39	745	7.70	9.7
	7/14/2017			0.79				-166	0.27	700	7.48	10.3
	10/18/2017			0.77				-137	0.51	824	7.63	10.7
	3/21/2018			0.82				-137	0.28	678	7.94	9.5
	6/5/2018			0.81				-80	0.28	328	7.70	10.3
	8/2/2018			0.90				-108	0.32	681	7.64	10.5

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-115 (former Wiese well)	2/1/2007							128	0.29	590	7.35	9.6
	5/1/2007							112	0.85	589	7.12	10.5
	8/14/2007							216	0.43	582	7.44	10.7
	10/22/2007							313	0.54	579	6.74	10.6
	5/6/2008							-16	0.48	690	7.27	10.7
	10/2/2008							315	2.44	654	6.89	10.7
	4/6/2009							-72	0.30	605	7.58	9.9
	10/29/2009	<0.20	<0.08	0.92	40.7	<0.2	0.044	-166	0.47	551	7.52	10.2
	2/26/2010	0.36	<0.08	1.48	43.65	<0.2	0.0579	-155	0.35	620	7.64	9.8
	5/26/2010	<0.20	<0.08	1.01	46.07	<0.2	0.049	-135	0.40	608	7.30	10.5
	10/6/2010	0.1		0.95	41.23		0.0562	-175	1.42	646	8.15	10.7
	1/25/2011			0.95				-78	0.42	572	7.68	9.8
	4/13/2011			1.05				-178	0.44	626	7.51	10.5
	7/12/2011			0.86				-143	1.74	546	7.47	10.6
	10/19/2011			0.82				-128	0.55	543	7.87	10.3
	1/23/2012			1.41				-78	0.34	647	7.53	9.6
	4/4/2012			0.804				-126	0.40	724	7.65	10.1
	7/25/2012			0.7				-223	0.39	619	7.72	11.3
	10/17/2012			0.797				-137	1.22	602	7.62	10.8
	1/16/2013			<0.1				-185	1.00	619	7.59	9.9
	4/26/2013			0.866				-30	1.20	597	7.75	10.2
	7/2/2013			0.911				-89	0.48	626	7.57	10.6
	10/24/2013			0.843				-80	0.51	631	7.48	10.2
	1/9/2014			<0.1				-15	1.69	567	7.71	9.7
	4/17/2014			<0.1				-127	0.92	594	7.99	9.8
	7/17/2014			<0.1				-22	0.33	626	7.93	10.7
	10/23/2014			0.879				-95	0.34	542	8.01	10.2
	1/15/2015			0.988				-176	0.39	589	7.99	9.7
	4/28/2015			0.139				-22	0.28	639	8.29	10.3
	7/1/2015			1.254				-121	0.37	608	7.83	10.6
	10/27/2015			2.015				-99	0.26	594	7.62	10.4
	1/14/2016			0.828				-60	0.34	569	7.61	9.8
	4/13/2016			1.151				-124	0.33	589	7.93	9.8
	7/28/2016			1.116				-193	0.44	597	7.91	10.7
	10/27/2016			0.748				-127	0.29	596	7.56	10.4
	4/6/2017[1]			NM				-137	1.16	608	7.72	10.2
	7/14/2017			0.84				-143	0.28	575	7.54	10.6
	10/18/2017			0.80				-130	0.81	703	7.60	11.0
	3/21/2018			0.72				-143	0.63	554	8.02	9.9
	6/5/2018			0.56				-96	0.24	323	7.77	10.5
	8/2/2018			0.84				-105	1.65	576	7.54	10.5

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-116 (former Hadel well)	2/1/2007							171	0.38	528	7.34	8.8
	5/1/2007							142	0.59	528	7.09	10.5
	8/8/2007							202	0.42	523	7.53	12.1
	10/22/2007							301	0.59	522	6.75	10.8
	5/6/2008							38	0.71	603	7.18	12.3
	10/2/2008							295	2.70	559	7.04	11.2
	4/6/2009							-49	0.89	518	7.57	9.5
	10/29/2009	0.33	0.21	0.51	41.29	0.32	0.0031	-96	0.44	476	7.53	10.3
	2/26/2010	0.48	0.23	0.51	41.82	0.4	0.0042	-97	0.44	535	7.64	9.1
	5/25/2010	0.33	0.24	0.73	49.87	0.49	0.004	-75	0.33	530	7.30	12.2
	10/6/2010	0.45		0.92	58.53		0.0051	-106	0.55	567	8.20	12.1
	1/25/2011			0.45				37	0.56	506	7.76	9.0
	4/13/2011			0.51				-109	0.58	556	7.49	10.7
	7/12/2011			0.35				-91	1.42	485	7.50	11.9
	10/19/2011			0.37				-77	0.89	482	7.92	10.4
	1/23/2012			0.52				-21	0.38	576	7.64	8.8
	4/4/2012			0.353				-56	0.33	646	7.68	10.3
	7/25/2012			0.305				-150	0.31	546	7.64	12.7
	10/17/2012			0.351				-87	0.52	535	7.52	11.5
	1/15/2013			0.517				-187	0.95	549	7.65	9.1
	4/26/2013			0.257				99	0.52	528	7.51	9.9
	7/2/2013			0.336				-14	0.39	552	7.56	11.4
	10/24/2013			0.65				-14	0.46	542	7.95	10.3
	1/9/2014			<0.1				-9	1.19	495	7.88	8.9
	4/17/2014			<0.1				-71	0.58	501	7.99	9.8
	7/17/2014			<0.1				-26	0.35	547	7.86	12.0
	10/23/2014			1.703				-166	0.40	470	7.96	10.4
	1/15/2015			1.155				-226	0.48	512	7.98	9.0
	4/28/2015			1.308				-18	0.27	560	8.29	10.3
	7/1/2015			>2.5				-117	0.40	530	7.74	11.8
	10/27/2015			>2.5				-74	0.35	513	7.52	11.0
	1/14/2016			0.447				-43	0.38	489	7.50	9.1
	4/13/2016			0.433				-59	0.56	503	7.91	9.6
	7/28/2016			0.665				-151	0.39	507	7.79	12.2
	10/27/2016			0.544				-117	0.40	507	7.53	10.6
	1/20/2017			0.563				17	0.43	522	7.70	9.1
	4/6/2017[1]			NM				18	0.49	516	7.55	10.2
	7/14/2017			0.08				-146	0.32	483	7.54	11.3
	10/18/2017			0.07				-80	0.40	584	7.61	11.9
	3/21/2018			0.00				-113	0.46	447	8.03	10.0
	6/5/2018			0.10				-67	1.68	243	7.79	11.7
	8/2/2018			0.17				-79	1.67	488	7.63	11.5
P-117	1/20/2017			1.249				16	0.75	748	7.26	9.9
	4/6/2017[1]			NM				-105	0.29	742	7.48	10.1
	7/14/2017			1.29				-112	0.22	701	7.29	10.4
	10/18/2017			1.31				-101	0.27	844	7.34	11.0
	3/21/2018			1.34				-116	0.32	684	7.70	9.5
	6/5/2018			1.18				-70	0.68	277	7.48	10.4
	8/2/2018			1.1				-104	0.47	698	7.36	10.7
P-118	10/18/2017			0.17				-117	0.59	629	7.71	11.4
	3/21/2018			0.23				-101	0.29	524	7.93	9.2
	6/5/2018			0.05				-14	0.28	205	7.55	10.6
	8/2/2018			0.27				-89	1.48	542	7.44	11.4

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
MW-3A	12/5/2002				20			-312	0.03	589	7.30	
	4/22/2003				26			3	0.66	464	7.52	10.22
	10/22/2003	<0.058			14			-98	0.87	552	7.29	10.06
	1/31/2007							163	0.79	556	7.13	6.1
	5/1/2007							34	1.96	558	6.95	10.2
	8/8/2007							-144	0.74	549	7.32	12.4
	10/19/2007							201	1.07	551	6.51	10.5
	5/6/2008							13	0.33	630	7.55	9.8
	10/1/2008							297	7.35	591	6.89	9.8
	10/28/2009	<0.20	<0.08	0.51	14.67	<0.2	0.0073	-236	0.55	505	7.45	9.5
	5/24/2010	<0.20	0.04	0.49	22.35	0.21	0.0074	-227	0.55	561	7.13	12.5
	10/5/2010	0.05			15.33		0.0397	-204	1.51	600	8.20	11.3
	1/24/2011			0.19				-77	0.74	535	7.30	7.2
	4/13/2011			0.44				-240	1.14	589	7.42	10.8
	7/12/2011			0.19				-213	1.86	512	7.15	11.3
	10/19/2011			0.16				-175	1.25	511	7.76	9.7
	1/23/2012			<0.1				-34	0.70	606	7.09	8.0
	4/4/2012			0.217				-115	0.47	678	7.37	9.4
	7/25/2012			0.101				-265	0.67	584	7.50	13.5
	10/16/2012			<0.1				-175	1.33	564	7.01	10.7
	1/15/2013			0.144				-267	2.03	579	7.49	7.8
	4/26/2013			0.131				-171	1.38	560	7.77	10.2
	7/2/2013			0.127				-126	1.27	582	7.26	10.9
	10/24/2013			0.124				-140	1.27	582	7.07	9.3
	1/9/2014			<0.1				10	0.81	524	7.46	7.5
	4/17/2014			0.126				-114	1.80	551	7.73	9.2
	7/17/2014			<0.1				-8	0.67	577	7.66	10.4
	10/23/2014			0.938				-174	1.06	498	7.37	9.6
	1/15/2015			0.188				-238	1.07	541	7.84	7.7
	4/28/2015			<0.1				-30	0.46	586	8.15	9.8
	7/1/2015			<0.1				-128	1.28	548	7.61	10.0
	10/27/2015			0.166				-138	0.68	536	7.21	11.0
	1/14/2016			<0.1				-43	1.03	514	7.22	8.1
	4/13/2016			0.149				-149	0.61	530	7.70	8.4
	7/28/2016			0.154				-267	0.88	531	7.60	12.2
	10/27/2016			0.159				-171	0.62	533	7.35	9.5
	1/20/2017			0.441				-10	0.55	544	7.39	8.6
	4/6/2017[1]			NM				5	0.51	542	7.34	9.6
	7/14/2017			0.04				-116	0.52	505	7.24	10.4
	10/18/2017			0.10				-130	0.74	600	7.48	11.9
	3/21/2018			0.03				-105	1.07	488	7.86	8.8
	6/5/2018			0.10				-56	1.48	345	7.48	11.3
	8/2/2018			0.04				-81	0.94	531	7.34	10.7

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-107D	12/4/2002				19					594	7.64	7.90
	4/21/2003				27					388	7.28	10.50
	10/21/2003	<0.058			19			51.40	1.25	528	7.34	10.05
	5/1/2007							113	3.20	583	6.96	12.4
	10/19/2007							261	1.10	581	6.56	10.0
	5/5/2008							61	1.07	653	7.55	10.6
	10/1/2008							354	4.48	607	6.89	10.4
	4/7/2009							-101	2.01	569	7.53	9.1
	10/28/2009	<0.20	<0.08	<0.1	23.84	<0.2	0.073	-188	0.45	528	7.48	10.1
	2/25/2010	0.51	<0.08	<0.1	23.57	<0.2	0.0613	-191	0.74	605	7.50	8.5
	5/24/2010	<0.20	<0.08	0.19	31.82	<0.2	0.163	-147	3.12	618	7.15	11.2
	10/5/2010	0.06		0.03	21.24		0.0737	-132	0.93	619	8.09	10.6
	1/24/2011			0.3				-59	0.79	564	6.62	9.0
	4/12/2011			0.11				-222	0.64	649	7.33	9.9
	7/11/2011			0.12				-211	1.32	2	8.16	11.7
	10/18/2011			0.11				-107	2.61	535	7.69	10.1
	1/23/2012			0.27				-45	0.69	634	7.45	8.9
	4/4/2012			0.235				-105	0.73	740	7.49	9.9
	7/25/2012			<0.1				-207	1.71	627	7.42	12.6
	10/17/2012			0.104				-168	2.13	589	7.53	10.9
	1/16/2013			<0.1				-214	2.30	609	7.46	8.8
	4/26/2013			0.276				-146	2.18	585	7.84	10.3
	7/2/2013			0.123				-75	1.92	606	7.15	11.6
	10/24/2013			0.205				-60	2.51	610	6.89	9.8
	1/9/2014			<0.1				55	2.60	561	7.24	8.0
	4/16/2014			0.236				-68	1.33	603	7.76	9.4
	7/17/2014			<0.1				61	0.46	610	7.37	10.8
	10/23/2014			0.217				-127	0.98	536	8.23	9.9
	1/15/2015			<0.1				-207	0.81	571	7.84	9.0
	4/28/2015			<0.1				-116	1.84	639	7.23	10.2
	7/1/2015			0.132				-76	1.71	581	7.29	10.9
	10/27/2015			0.128				-23	0.84	565	8.03	10.5
	1/14/2016			<0.1				-25	0.61	537	7.03	8.6
	4/13/2016			0.158				-64	0.86	624	9.12	8.9
	7/28/2016			0.157				-150	5.32	581	7.31	17.7
	10/27/2016			0.165				-124	0.66	557	7.16	9.9
	1/20/2017			0.451				9	1.84	562	7.03	9.1
	4/6/2017[1]			NM				42	2.51	593	7.15	9.5
	7/14/2017			0.08				-139	0.80	539	7.26	10.3
	10/18/2017			0.10				-61	2.35	596	7.33	10.8
	3/21/2018			0.10				-66	3.88	530	7.82	9.3
	6/4/2018			NM				-32	0.44	378	7.56	10.5
	8/2/2018			0.09				8	5.81	544	7.32	11.0

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
P-113A	12/3/2002				12			111.80	20.00	579	7.26	10.39
	4/23/2003				15			42.00	2.98	465	7.50	10.37
	10/22/2003	0.3			10			-62.60	2.23	576	7.30	10.17
	8/8/2007							-140	0.57	544	7.37	13.3
	5/6/2008							-88	0.55	620	7.22	10.4
	4/6/2009							-137	0.74	542	7.42	8.4
	10/29/2009	0.35	0.16	>2.5	31.67	0.37	0.27	-240	0.87	498	7.41	10.7
	5/25/2010	0.26	0.21	>2.5	44.79	0.39	0.169	-183	0.96	554	7.16	15.6
	10/6/2010	0.43			44.48		0.239	-196	0.89	591	7.98	12.8
	1/25/2011			1.09				-78	1.98	533	7.58	5.9
	4/13/2011			0.68				-202	1.13	578	7.46	12.8
	7/12/2011			1.44				-195	1.47	509	7.33	14.3
	10/19/2011			0.94				-141	0.92	509	7.71	10.6
	1/23/2012			0.77				-76	1.20	604	7.67	7.3
	4/4/2012			1.219				-125	0.64	673	7.40	9.9
	7/25/2012			0.893				-257	0.83	585	7.46	15.4
	10/16/2012			0.196				-73	3.31	559	7.36	13.1
	1/15/2013			0.473				-248	1.67	574	7.56	7.0
	4/26/2013			0.814				-120	1.64	555	7.66	11.8
	7/2/2013			0.516				-127	1.04	578	7.45	13.6
	10/24/2013			0.654				-43	0.91	567	7.66	11.6
	1/9/2014			0.582				0	1.72	521	7.49	6.4
	4/14/2014			<0.1				-139	1.55	544	7.81	8.9
	7/17/2014			0.831				-10	1.15	577	7.71	17.5
	10/23/2014			0.707				-164	0.80	498	7.79	10.9
	1/15/2015			1				-201	1.81	548	7.66	7.6
	4/28/2015			0.204				-18	0.63	580	8.14	10.9
	7/1/2015			1.795				-133	1.06	547	7.57	12.9
	10/27/2015			0.583				-116	0.94	526	8.67	11.3
	1/14/2016			0.316				-73	0.96	506	7.45	6.8
	4/13/2016			0.815				-158	1.07	525	7.82	8.7
	7/28/2016			0.831				-260	0.94	529	7.70	13.3
	10/27/2016			1.036				-204	0.80	531	7.42	10.5
	1/20/2017			1.253				-21	0.67	542	7.48	8.7
	4/6/2017[1]			NM				7	0.82	539	7.45	10.0
	7/14/2017			0.47				-206	0.68	500	7.40	13.3
	10/18/2017			0.56				-118	0.49	595	7.42	13.3
	3/21/2018			0.45				-98	2.28	486	7.93	7.9
	6/5/2018			0.08				-14	0.92	232	7.57	12.5
	8/2/2018			0.14				-91	1.76	504	7.48	12.6

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

Well ID	Compound	Nitrate	Nitrite	Iron 2	Sulfate	Sulfide	Methane	ORP**	Dissolved Oxygen	Specific Conductivity	pH	Temperature
		NO_3^-	NO_2^-	Fe^{2+}	SO_4^{2-}	S^{2-}	CH_4					
	Detection Range	0.2 to 1.5*	0.08 to 0.8*	0.1 to 2.5*	8 to 100*	0.2 to 3*						
	Target	>	<	<1	>20	<1	<0.5	>50	>0.5			
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm	Units	°C
Perry/Watkins	10/29/2009	<0.20	<0.08	>2.5	15.18	<0.2	0.0098	-167	3.00	489	7.55	10.8
	2/26/2010	<0.20			16.34	0.42	0.0067	-159	1.57	549	7.70	8.6
	5/26/2010	<0.20	<0.08	1.7	24.6	<0.2	0.0082	-135	0.91	552	7.35	16.7
	10/6/2010	0.1			20.12		0.0081	-183	1.38	582	8.18	14.4
	1/28/2011								2.42		6.93	10.1
	4/18/2011									410	7.17	10.1
	4/3/2012									519	8.00	11.2
	4/26/2013									600	7.47	11.4
	4/15/2014									578	7.59	10.8
	4/15/2015									595	7.18	11.9
	1/14/2016									526	8.22	9.1
	4/12/2016									625	7.85	14.0
	7/28/2016									538	8.07	13.5
	10/27/2016									524	6.74	10.6
	1/20/2017									598	7.04	8.8
	4/5/2017									446	7.72	10.2
Gaastra	10/29/2009	<0.20	<0.08	0.98	16.04	<0.2	0.01	-163	0.27	490	7.56	10.3
	2/26/2010	<0.20			19.35	<0.2	0.0086	-146	1.22	584	7.45	10.7
	5/26/2010	<0.20	<0.08	2.44	27.28	0.22	0.0121	-156	0.52	553	7.28	17.3
	10/6/2010	0.11			22.65		0.0103	-201	1.14	597	8.22	15.0
	1/26/2011			2.34				33	1.24	552	7.37	7.9
	4/14/2011									620	6.88	13.8
	4/3/2012									538	7.80	11.3
	4/26/2013									585	7.54	11.4
	4/15/2014									528	7.69	13
	7/17/2014									519	8.41	14.3
	1/14/2016									667	7.94	8.6
	4/12/2016									588	8.05	11
	7/28/2016									550	8.19	13.7
	10/27/2016									593	6.86	10.3
	1/20/2017									564	6.81	8
	4/5/2017									547	7.63	9.3
Rohde	11/4/2009	<0.20	<0.08	0.36	19.88	<0.2	0.0011	-76	0.99	500	7.25	10.0
	2/25/2010	<0.20			21.03	<0.2	<0.0028	0	2.61	606	7.61	9.4
	5/26/2010	<0.20	<0.08	0.25	25.64	<0.2	<0.0028	7	1.19	635	6.42	18.53
	10/6/2010	0.08			26.48		ND	-117	1.91	612	8.08	13.7
	1/26/2011			0				116	3.83	571	7.56	7.36
	4/13/2011									550	6.85	7.5
	4/3/2012									528	7.5	11.5
	4/26/2013									581	7.63	12.7
	4/15/2014									546	7.80	10.7
	4/15/2015									565	7.38	12.8
	4/12/2016									632	7.98	11.5
	4/5/2017									532	7.46	9.5
	6/4/2018									590	7.81	15.3

indicates that sample was not analyzed for that parameter
mg/L: milligrams per liter
uS/cm: microsiemens per centimeter
mV: millivolts
ORP: Oxidation-Reduction Potential
°C: Degrees Celsius
* detection range only applies to samples collected on or after 10/2009
** ORP is believed to be incorrect from 2/2007 to 10/2008 due to equipment malfunction

1: April 2017 equipment malfunction, in-field iron test not able to be performed.

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	11:31	3/20/2006	61.5	37.7	0.7	0.1	pre-startup
	10:02	3/22/2006	43.6	26.3	6.4	23.7	
	15:32	3/22/2006	56.0	33.3	3.8	6.9	
	8:29	3/23/2006	50.1	29.5	4.3	16.1	
	16:35	3/23/2006	44.2	24.6	4.9	26.3	
	15:40	3/24/2006	18.8	11.8	15.9	53.5	
	14:25	3/28/2006	7.0	8.7	10.8	73.5	
	18:58	3/30/2006	15.8	21.0	6.9	56.3	
	13:50	4/5/2006	11.2	17.1	9.8	61.9	
	12:50	4/6/2006	6.2	9.0	13.9	70.9	
	13:10	4/11/2006	9.6	16.7	8.6	65.1	
	10:45	4/14/2006	11.2	17.9	7.2	63.7	
	15:26	4/14/2006	12.2	24.1	4.0	59.7	
	9:58	4/17/2006	16.7	30.2	5.3	47.8	
	19:12	4/27/2006	7.8	17.5	2.9	71.8	
	13:12	5/4/2006	6.1	18.7	2.0	73.2	
	10:17	5/22/2006	5.8	21.6	1.3	71.3	
	12:20	6/2/2006	18.0	22.7	0.6	58.7	
	8:20	6/9/2006	1.1	0.2	20.4	78.3	
	12:34	6/14/2006	3.9	0.6	20.2	75.3	
	10:41	6/22/2006	3.3	7.6	13.8	75.3	
	12:06	7/5/2006	3.7	12.5	10.1	73.7	
	11:31	7/10/2006	3.5	10.9	11.8	73.8	
	10:49	7/17/2006	3.9	10.7	11.8	73.6	
	14:00	7/28/2006	5.0	12.0	10.2	72.8	
	9:46	8/8/2006	2.7	9.5	12.9	74.9	
	7:20	8/16/2006	2.4	6.6	14.5	76.5	
	7:12	8/21/2006	0.1	0.2	15.1	84.6	
	14:07	8/28/2006	2.1	12.5	12.4	73.0	
	11:21	9/13/2006	0.6	0.6	13.3	85.5	
	11:19	9/25/2006	0.0	0.0	16.2	83.8	
	8:18	10/10/2006	2.7	8.4	14.8	74.1	
	8:19	10/23/2006	2.0	1.5	12.8	83.7	
	14:00	11/2/2006	3.8	21.6	1.7	72.9	
	14:54	11/14/2006	7.5	23.0	0.7	68.8	
	11:26	11/27/2006	5.5	23.0	0.4	71.1	
	12:57	12/26/2006	5.0	23.6	0.3	71.1	
	13:57	1/27/2007	9.5	22.8	0.3	67.4	
	11:20	2/24/2007	6.5	23.0	0.8	69.7	
	11:20	3/1/2007	17.5	23.2	1.8	57.5	
	12:28	3/1/2007	16.5	23.2	1.8	58.5	
	14:30	3/1/2007	15.5	22.8	1.6	60.1	
	8:10	3/5/2007	sampling port clogged with ice				adjust blower time, 12 on, 12 off
	8:10	3/24/2007	15.5	23.0	1.8	59.7	
	16:55	3/24/2007	14.0	22.2	2.2	61.6	
	17:10	3/26/2007	11.0	21.6	2.2	65.2	
	7:28	3/27/2007	10.0	22.4	1.7	65.9	
	16:27	3/28/2007	11.0	22.8	1.5	64.7	
	8:04	3/29/2007	11.5	23.0	1.5	64.0	
	17:00	3/29/2007	11.0	22.8	1.5	64.7	
	8:04	3/30/2007	13.0	24.0	1.0	62.0	blower off
	11:34	5/30/2007	43.0	28.0	2.0	27.0	restart and run 24 hrs
	13:35	5/30/2007	40.0	26.2	2.6	31.2	
	10:30	5/31/2007	0.1	0.0	20.7	79.2	reduce to 12 on 12 off
	16:32	6/1/2007	0.1	0.0	20.7	79.2	
	15:30	6/2/2007	20.0	22.8	1.7	55.5	
	16:09	6/3/2007	18.0	22.2	1.9	57.9	
	14:12	6/4/2007	16.5	21.8	2.2	59.5	reduce to 6 on 18 off
	15:10	6/7/2007	17.0	21.6	2.3	59.1	
	17:16	6/12/2007	10.5	21.0	2.1	66.4	
	14:49	6/14/2007	11.0	20.8	2.2	66.0	
	14:40	6/19/2007	10.5	21.0	2.2	66.3	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	14:40	6/21/2007	11.0	21.2	2.0	65.8	
	14:30	7/11/2007	11.5	21.4	2.0	65.1	
	14:00	7/23/2007	12.0	21.8	2.0	64.2	
	14:07	8/8/2007	12.0	21.6	2.2	64.2	
	13:30	8/13/2007	13.5	22.8	2.2	61.5	
	14:10	8/20/2007	10.0	21.4	2.8	65.8	
	14:25	8/28/2007	8.5	20.8	2.7	68.0	
	15:55	8/31/2007	5.5	18.2	4.2	72.1	
	14:55	9/4/2007	4.5	17.2	4.1	74.3	
	13:25	9/17/2007	3.2	15.4	5.1	76.4	
	9:50	9/29/2007	3.0	15.2	5.6	76.2	
	8:45	10/4/2007	3.1	15.2	5.6	76.1	
	9:45	10/7/2007	3.7	15.6	4.8	75.9	
	9:50	10/18/2007	6.0	17.0	3.6	73.4	
	9:00	10/25/2007	5.0	17.2	3.8	74.0	
	9:20	11/1/2007	6.0	18.6	2.2	73.2	
	10:25	11/13/2007	11.5	18.6	3.4	66.5	
	11:30	11/26/2007	4.8	16.2	4.8	74.3	
	11:00	12/10/2007	5.0	16.0	5.4	73.6	
	11:50	12/26/2007	5.5	16.6	4.3	73.6	
	10:15	1/9/2008	6.0	17.0	3.7	73.3	
	12:10	1/23/2008	5.0	15.8	5.2	74.0	
	9:20	2/4/2008	8.0	17.4	3.3	71.3	
	7:50	2/18/2008	12.0	17.6	3.8	66.6	
	7:30	3/4/2008	20.0	18.0	6.0	56.0	
	8:50	3/18/2008	23.0	19.8	3.9	53.3	
	14:30	5/12/2008	14.5	21.0	1.5	63.0	
	9:15	5/19/2008	4.4	17.4	2.4	75.9	
	13:50	5/30/2008	6.5	18.2	1.2	74.1	
	9:20	6/12/2008	3.8	19.0	2.6	74.6	
	9:20	6/25/2008	9.5	21.6	0.5	68.4	
	11:10	7/7/2008	6.0	19.4	1.3	73.3	opened GV-6 to 200 ft/min
	12:25	7/21/2008	6.5	20.6	1.1	71.8	
	9:50	8/5/2008	7.0	20.2	1.7	71.1	
	9:10	8/13/2008	12.5	23.2	0.1	64.2	increase to 12 on 12 off
	8:45	8/19/2008	8.0	21.2	2.2	68.6	
	14:15	9/2/2008	6.5	20.6	1.1	71.8	
	11:41	10/3/2008	8.0	21.6	0.8	69.6	
	10:40	10/13/2008	9.0	22.4	0.6	68.0	
	9:15	10/28/2008	9.0	23.4	0.0	67.6	
	7:40	11/6/2008	10.5	22.2	0.6	66.7	
	10:25	12/8/2008	7.0	21.4	1.4	70.2	
	10:20	12/24/2008	6.0	20.4	1.2	72.4	decrease to 10 on
	12:00	1/8/2008	5.0	15.4	2.4	77.2	
	11:25	1/18/2009	8.5	23.0	0.3	68.2	
	7:40	1/27/2009	5.0	18.0	4.9	72.1	
	8:40	2/6/2009	4.8	16.4	5.2	73.7	
	11:00	2/23/2009	3.9	17.4	4.5	74.3	decrease to 8 on
	10:20	3/9/2009	8.0	21.2	0.1	70.7	
	10:20	3/20/2009	10.0	21.8	0.6	67.6	
	11:46	4/9/2009	13.0	22.2	0.2	64.6	
	10:45	4/19/2009	5.6	18.2	2.1	74.1	
	8:05	5/4/2009	8.5	16.2	5.5	69.8	
	8:40	5/18/2009	4.3	17.6	3.4	74.8	
	9:35	6/1/2009	7.0	15.4	5.2	72.4	
	9:00	6/14/2009	5.0	18.8	1.5	74.7	
	8:45	7/2/2009	13.5	21.2	1.6	63.7	
	7:30	7/13/2009	7.0	12.6	8.6	71.8	
	8:20	7/22/2009	5.0	20.4	1.3	73.3	
	8:50	8/11/2009	4.6	17.4	4.1	74.0	
	8:45	8/24/2009	4.3	16.8	4.5	74.5	decrease to 6 on 18 off

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	9:25	9/8/2009	10.0	21.6	0.6	67.8	
	9:20	9/21/2009	15.0	23.8	0.0	61.2	
	10:15	10/5/2009	15.0	23.8	0.1	61.1	
	11:00	10/28/2009	16.0	23.2	1.3	59.5	
	10:50	11/16/2009	7.5	21.8	0.8	69.9	
	10:00	12/18/2009	24.0	23.8	0.0	52.2	
	9:10	12/28/2009	27.0	27.0	0.0	46.0	
	9:50	1/11/2010	24.0	26.0	0.0	50.0	
	8:30	1/26/2010	26.0	26.0	0.0	48.0	
	12:00	2/25/2010	19.5	24.6	0.0	55.9	
	9:50	3/8/2010	20.0	24.0	0.0	56.0	
	9:25	3/22/2010	18.0	23.0	0.0	59.0	
	9:28	4/5/2010	17.0	23.0	0.0	60.0	
	9:18	4/19/2010	16.5	23	0	60.5	
	9:22	5/3/2010	20.0	23.6	0.0	56.4	
	9:47	5/17/2010	20.0	24.0	0.0	56.0	
	9:10	5/25/2010	10.5	22.8	0.0	66.7	
	9:15	6/24/2010	13.0	21.0	1.4	64.6	
	10:15	7/6/2010	6.0	20.4	1.5	72.1	
	9:08	7/19/2010	7.0	19.6	3.0	70.4	
	9:00	8/2/2010	6.5	19.4	2.2	71.9	
	9:50	8/16/2010	12.5	21.6	1.1	64.8	
	8:52	8/30/2010	21.0	24.2	0.7	54.1	
	9:08	9/13/2010	26.5	25.2	1.1	47.2	
	9:40	9/28/2010	29.5	26.0	1.1	43.4	
	8:05	10/12/2010	24.5	25.2	1.7	48.6	
	9:22	10/25/2010	24.5	25.4	1.1	49.0	
	9:36	11/2/2010	16.0	24.2	1.5	58.3	
	8:49	11/15/2010	15.5	23.4	1.5	59.6	
	9:45	12/10/2010	14.0	22.8	1.5	61.7	
	9:00	12/23/2010	15.5	22.6	1.6	60.3	
	9:18	1/10/2011	11.5	22.2	1.6	64.7	
	12:15	2/11/2011	34.0	24.6	1.7	39.7	
	9:20	3/7/2011	4.9	15.2	6.5	73.5	
	11:50	3/24/2011	19.5	22.2	0.7	57.6	
	8:55	4/6/2011	22.9	23.4	0.3	53.4	
	8:19	4/25/2011	23.5	23.0	0.6	52.9	
	8:52	5/9/2011	34.5	24.6	0.3	40.6	
	9:12	5/23/2011	38.0	25.4	0.3	36.3	
	10:50	6/6/2011	40.0	26.0	0.3	33.7	
	9:08	6/15/2011	41.5	26.2	0.3	32.0	
	9:15	7/5/2011	35.5	26.0	0.3	38.2	
	8:06	7/13/2011	31.0	26.0	0.2	42.8	
	8:20	7/26/2011	32.0	26.6	0.3	41.1	
	8:15	8/8/2011	19.0	24.1	0.3	56.6	
	7:50	8/23/2011	16.0	24.4	0.3	59.3	
	15:19	9/9/2011	28.5	28.0	0.5	43.0	
	16:03	9/15/2011	15.0	25.2	0.8	59.0	
	8:31	9/21/2011	17.5	22.8	2.6	57.1	
	9:38	9/21/2011	14.5	21.5	3.2	60.8	
	9:29	9/22/2011	17.5	24.4	1.6	56.5	
	10:11	9/22/2011	16.0	22.2	3.3	58.5	
	10:57	9/22/2011	16.0	24.2	1.6	58.2	
	10:46	10/3/2011	7.5	21.2	2.4	68.9	
	13:55	10/24/2011	11.0	23.0	1.0	65.0	
	11:00	10/26/2011	12.0	23.6	1.3	63.1	
	10:45	11/7/2011	10.5	23.4	0.5	65.6	
	9:20	11/14/2011	14.5	24.0	0.1	61.4	
	9:18	12/12/2011	12.7	24.2	0.2	62.9	
	10:24	12/27/2011	36.5	27.2	0.2	36.1	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	8:45	1/10/2012	24.5	25.4	0.1	50.0	
	10:10	1/25/2012	26.0	27.2	0.3	46.5	
	9:20	2/20/2012	32.5	26.6	0.6	40.3	
	9:10	3/8/2012	30.5	25.4	1.8	42.3	
	10:25	4/2/2012	24.0	25.2	0.9	49.9	
	9:09	4/16/2012	26.5	25.4	0.9	47.2	
	9:00	4/30/2012	16.5	23.0	1.5	59.0	
	9:21	5/14/2012	18.0	22.8	1.7	57.5	
	9:14	5/29/2012	24.5	24.6	1.1	49.8	
	7:57	6/11/2012	27.5	25.4	0.9	46.2	
	9:46	6/25/2012	24.5	25.2	1.0	49.3	
	9:05	7/9/2012	23.0	25.4	0.9	50.7	
	8:40	7/23/2012	7.0	20.2	2.2	70.6	
	8:21	7/25/2012	8.0	20.8	2.0	69.2	
	9:05	8/6/2012	8.0	21.4	1.7	68.9	
	9:31	8/21/2012	9.5	21.6	1.3	67.6	
	9:15	9/4/2012	7.0	19.8	2.0	71.2	
	9:10	10/1/2012	6.0	18.2	4.2	71.6	
	8:30	10/15/2012	4.5	11.4	9.2	75.0	
	7:55	12/6/2012	13.0	21.0	1.3	64.7	
	9:30	12/17/2012	17.0	21.2	0.8	61.0	
	9:00	12/31/2012	24.5	23.6	1.1	50.8	
	8:30	1/9/2013	29.5	24.0	1.1	45.4	
	8:05	1/15/2013	30.0	24.6	0.0	45.4	
	9:11	1/28/2013	27.0	23.4	0.6	49.0	
	10:55	2/11/2013	41.0	27.0	0.0	32.0	
	9:22	2/25/2013	44.5	26.0	0.0	29.5	
	7:40	3/8/2013	48.0	26.4	0.1	25.5	
	8:55	3/22/2013	50.5	26.0	0.1	23.4	
	14:00	4/8/2013	32.0	24.8	0.3	42.9	
	15:20	4/22/2013	12.0	21.6	0.4	66.0	
	9:39	4/29/2013	11.0	20.4	0.1	68.5	
	8:34	5/13/2013	8.0	20.0	0.7	71.3	
	13:40	5/28/2013	9.5	19.4	0.9	70.2	
	8:50	6/7/2013	8.5	19.4	1.1	71.0	
	8:17	6/21/2013	8.0	18.8	1.5	71.7	
	8:50	7/5/2013	7.0	18.8	1.5	72.7	
	7:52	7/22/2013	8.0	19.4	1.6	71.0	
	8:55	8/5/2013	9.5	20.0	1.7	68.8	
	8:24	8/19/2013	11.0	20.2	1.7	67.1	
	8:35	9/5/2013	4.4	8.6	12.6	74.5	
	8:48	9/16/2013	5.0	7.6	14.0	73.4	
	7:40	9/30/2013	14.0	13.4	9.5	63.1	
	7:38	10/14/2013	21.5	17.8	7.5	53.2	
	7:42	10/28/2013	23.5	16.2	9.0	51.3	
	8:10	11/19/2013	34.0	22.2	6.1	37.7	
	7:35	12/2/2013	38.0	23.8	5.0	33.2	
	7:15	12/16/2013	19.0	12.6	12.2	56.2	
	7:06	12/27/2013	48.5	28.0	2.9	20.6	
	7:08	1/13/2014	54.5	28.6	0.7	16.2	
	7:20	1/30/2014	50.0	28.6	0.9	20.5	
	7:35	2/12/2014	51.5	28.2	0.9	19.4	
	7:50	2/24/2014	35.0	25.0	1.2	38.8	
	8:25	3/10/2014	36.0	27.0	1.0	36.0	
	8:15	3/24/2014	14.5	18.8	4.8	61.9	
	7:30	4/7/2014	18.0	21.4	1.6	59.0	
	10:44	4/22/2014	15.0	20.8	1.6	62.6	
	7:45	5/7/2014	18.5	21.8	0.8	58.9	
	7:45	5/19/2014	16.0	21.8	0.5	61.7	
	7:15	5/30/2014	17.5	22.4	0.3	59.8	
	7:36	6/16/2014	8.5	20.4	0.6	70.5	
	7:55	6/30/2014	6.0	18.4	1.7	73.9	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	8:05	7/14/2014	5.0	17.4	2.8	74.8	
	8:05	7/28/2014	3.9	17.0	3.9	75.2	
	8:21	8/11/2014	4.6	16.2	4.4	74.8	
	7:25	8/25/2014	4.3	16.4	4.2	75.2	
	7:45	9/8/2014	4.1	16.0	4.9	75.0	
	7:30	9/22/2014	4.3	16.8	4.5	74.5	
	7:55	10/7/2014	6.0	17.2	3.4	73.4	
	7:50	10/20/2014	7.5	18.4	2.7	71.4	
	7:40	11/3/2014	12.5	20.2	2.3	65.0	
	7:30	11/17/2014	16.5	21.2	2.9	59.4	
	7:35	12/2/2014	19.5	21.2	2.2	57.1	
	7:15	12/15/2014	33.0	25.4	0.0	41.6	blower off
	7:19	12/18/2014	28.0	23.2	2.0	46.8	
	7:31	1/2/2015	28.0	23.4	2.4	46.2	
	7:22	1/16/2015	32.0	22.6	1.6	43.8	
	7:30	1/26/2015	36.0	23.2	1.2	39.6	
	7:35	2/9/2015	33.5	24.6	1.2	40.7	
	8:02	2/24/2015	39.5	24.0	1.4	35.1	
	8:28	3/9/2015	24.5	21.2	1.5	52.8	
	7:25	3/23/2015	9.0	18.2	2.0	70.8	
	7:35	4/6/2015	8.5	18.0	1.7	71.8	
	8:27	4/22/2015	7.6	17.4	2.0	73.0	
	7:21	5/4/2015	8.5	17.0	1.9	72.6	
	7:20	5/18/2015	10.5	18.8	1.5	69.2	
	7:25	6/1/2015	7.5	18.2	2.4	71.9	
	7:30	6/15/2015	7.0	15.0	4.9	73.1	
	7:35	6/29/2015	4.3	8.4	11.8	75.5	
	7:28	7/14/2015	9.0	19.0	1.8	70.2	
	7:24	7/27/2015	7.0	19.2	1.8	72.0	
	7:30	8/10/2015	7.5	18.6	2.2	71.7	
	7:25	8/24/2015	6.5	18.6	2.2	72.7	
	7:40	9/8/2015	7.0	18.2	2.7	72.1	
	7:49	9/21/2015	6.0	19.0	2.6	72.4	
	7:30	10/5/2015	7.5	19.4	2.0	71.1	
	7:35	10/19/2015	8.5	19.8	1.9	69.8	
	7:50	11/2/2015	7.5	19.6	1.8	71.1	
	7:30	11/16/2015	9.5	20.4	1.4	68.7	
	11:00	11/30/2015	10.5	20.6	1.9	67.0	
	7:25	12/15/2015	15.0	21.0	1.1	62.9	
	7:35	12/28/2015	15.0	22.4	0.8	61.8	
	8:16	1/9/2016	17.5	20.8	1.4	60.3	
	7:50	1/25/2016	22.0	23.6	0.6	53.8	
	7:50	2/8/2016	23.0	23.2	1.1	52.7	
	7:35	2/22/2016	23.0	21.0	1.0	55.0	
	7:47	3/7/2016	23.0	20.4	1.0	55.6	
	8:30	3/21/2016	19.5	21.8	0.6	58.1	
	7:50	4/4/2016	14.5	21.2	0.6	63.7	
	8:25	4/18/2016	18.5	21.6	0.6	59.3	
	9:45	5/3/2016	26.5	23.2	0.2	50.1	
	7:50	5/16/2016	28.0	24.0	0.3	47.7	
	7:45	6/2/2016	29.0	24.2	0.1	46.7	
	7:50	6/14/2016	27.0	24.0	0.2	48.8	
	7:50	6/27/2016	22.0	21.6	0.2	56.2	
	10:20	7/14/2016	18.5	22.8	0.2	58.5	
	7:55	7/25/2016	17.5	23.4	0.2	58.9	
	7:45	8/8/2016	17.5	23.8	0.2	58.5	
	8:33	8/25/2016	16.0	24.4	0.0	59.6	
	7:25	9/6/2016	15.5	24.0	0.2	60.3	
	10:00	10/3/2016	10.5	22.6	0.4	66.5	
	8:12	10/19/2016	8.5	21.4	0.7	69.4	
	8:43	10/31/2016	9.5	21.2	1.8	67.5	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-1	8:04	11/14/2016	13.5	22.0	1.0	63.5	
	8:54	11/28/2016	18.5	22.0	1.8	57.7	
	9:08	12/9/2016	17.0	23.2	1.1	58.7	
	7:55	12/22/2016	22.5	23.2	1.2	53.1	
	8:00	1/4/2017	23.0	21.6	2.3	53.1	
	7:30	1/13/2017	22.9	21.2	2.4	53.5	
	7:25	1/27/2017	37.0	24.8	1.5	36.7	
	7:56	2/13/2017	35.5	21.4	1.9	41.2	
	7:55	2/27/2017	39.5	22.4	2.5	35.6	
	8:20	3/13/2017	44.5	23.6	2.0	29.9	
	7:25	3/28/2017	41.0	24.0	1.8	33.2	
	8:08	4/12/2017	43.5	24.0	1.8	30.7	
	7:45	4/18/2017	40.0	24.2	1.7	34.1	
	7:12	4/25/2017	43.0	25.6	1.5	29.9	
	7:20	5/8/2017	38.0	25.0	1.8	35.2	
	7:30	5/22/2017	32.5	24.4	1.5	41.6	
	7:46	6/5/2017	26.0	24.6	1.4	48.0	
	7:35	6/19/2017	14.5	23.0	1.3	61.2	
	8:27	7/4/2017	14.0	24.0	0.3	61.7	
	7:45	7/18/2017	18.5	25.4	0.0	56.1	
	7:47	8/1/2017	21.0	26.0	0.0	53.0	
	7:54	8/14/2017	23.0	26.4	0.0	50.6	
	8:08	8/29/2017	23.0	26.8	0.1	50.1	
	7:56	9/12/2017	26.0	27.6	0.0	46.4	
	8:08	9/25/2017	25.0	27.4	0.1	47.5	
	8:11	10/10/2017	22.0	27.2	0.3	50.5	
	7:49	10/23/2017	25.0	26.8	0.1	48.1	
	7:57	11/6/2017	23.5	26.8	0.1	49.6	
	8:04	11/17/2017	26.5	27.0	0.1	46.4	
	8:01	12/1/2017	25.0	26.2	0.2	48.6	
	8:11	12/18/2017	27.5	26.4	0.2	45.9	
	8:47	1/3/2018	31.5	25.4	0.4	42.7	
	7:57	1/11/2018	36.5	26.2	0.2	37.1	
	7:50	1/26/2018	8.5	17.8	4.2	69.5	
	8:10	2/13/2018	NM	NM	NM	NM	Not measured. Unable to thaw to get readings
	7:42	2/27/2018	7.5	17.8	1.8	72.9	
	7:42	3/13/2018	4.2	11.8	7.7	76.4	
	8:04	3/28/2018	7.0	18.0	1.2	73.8	
	8:18	4/10/2018	9.0	19.2	0.6	71.2	
	7:47	4/25/2018	10.5	19.2	0.5	69.8	
	8:04	5/8/2018	3.1	4.0	16.6	76.4	
	7:51	5/21/2018	3.0	4.6	16.0	76.4	
	8:08	6/5/2018	2.8	3.8	16.9	76.5	
	7:56	6/20/2018	2.9	3.6	17.4	76.1	
	8:04	6/28/2018	2.8	3.2	17.8	76.3	
	5:58	8/2/2018	5.3	3.0	18.7	73.0	Rental meter read "over" for methane
	6:30	9/15/2018	3.6	3.0	18.6	74.9	
	8:31	9/26/2018	2.9	2.4	19.3	75.4	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	11:09	3/20/2006	61.9	36.8	1.0	0.3	pre-startup
	9:52	3/22/2006	50.2	28.3	4.9	16.6	
	15:51	3/22/2006	49.9	35.2	7.4	7.5	
	8:52	3/23/2006	45.2	27.1	6.8	20.9	
	16:52	3/23/2006	54.3	32.5	3.5	9.7	
	15:20	3/24/2006	25.5	14.8	15.3	44.4	
	15:10	3/28/2006	18.7	12.0	13.5	55.8	
	19:09	3/30/2006	52.6	28.7	3.7	15.0	
	13:45	4/5/2006	35.5	20.5	8.2	35.8	
	13:25	4/6/2006	33.4	21.0	9.1	36.5	
	13:35	4/11/2006	33.4	21.7	9.9	35.0	
	10:57	4/14/2006	58.5	39.5	2.0	0.0	
	15:56	4/14/2006	33.6	20.0	7.9	38.5	
	10:20	4/17/2006	30.0	20.0	4.3	45.7	
	19:59	4/27/2006	51.7	26.8	4.2	17.3	
	13:28	5/4/2006	43.6	24.8	4.2	27.4	
	12:00	5/22/2006	48.8	28.9	4.3	18.0	
	8:41	6/9/2006	34.2	20.0	10.5	35.3	
	13:05	6/14/2006	30.1	20.2	8.3	41.4	
	11:05	6/22/2006	45.1	35.4	5.1	14.4	
	12:09	7/5/2006	44.4	44.5	5.8	5.3	
	10:50	7/10/2006	0.1	0.2	5.4	94.3	
	10:15	7/17/2006	42.7	32.7	5.8	18.8	
	14:15	7/28/2006	43.6	33.4	4.7	18.3	
	9:51	8/8/2006	45.4	36.2	4.1	14.3	
	9:30	8/16/2006	31.2	24.6	8.6	35.6	
	8:38	8/21/2006	2.4	10.2	3.7	83.7	
	14:22	8/28/2006	20.0	36.2	4.2	39.6	
	11:36	9/13/2006	28.2	37.0	4.0	30.8	
	11:34	9/25/2006	2.4	0.8	5.9	90.9	
	8:32	10/10/2006	49.8	41.7	5.1	3.4	
	8:42	10/23/2006	37.8	29.5	7.6	25.1	
	14:20	11/2/2006	42.5	28.4	3.6	25.5	
	15:16	11/14/2006	39.5	28.2	3.5	28.8	
	11:40	11/27/2006	48.5	33.2	0.3	18.0	
	13:30	12/26/2006	44.0	29.4	2.6	24.0	
	14:10	1/27/2007	44.5	27.6	3.1	24.8	
	11:28	2/24/2007	9.0	0.2	20.5	70.3	
	11:02	3/1/2007	37.2	28.2	1.5	33.1	
	12:26	3/1/2007	36.0	29.0	1.5	33.5	
	14:45	3/1/2007	33.0	27.6	2.1	37.3	
	8:05	3/5/2007	1.1	1.0	19.7	78.3	adjust blower time, 12 on, 12 off
	8:00	3/24/2007	36.0	28.4	1.2	34.4	
	16:45	3/24/2007	36.0	28.0	1.0	35.0	
	17:00	3/26/2007	33.5	27.4	0.9	38.2	
	7:19	3/27/2007	33.5	27.4	1.0	38.1	
	16:35	3/28/2007	36.0	28.2	0.9	34.9	
	7:50	3/29/2007	36.5	28.6	0.8	34.1	
	16:52	3/29/2007	35.5	28.2	0.7	35.6	
	7:56	3/30/2007	11.5	11.0	11.5	66.0	blower off
	11:45	5/30/2007	44.5	27.4	1.9	26.2	restart and run 24 hrs
	13:45	5/30/2007	46.0	28.2	1.5	24.3	
	10:20	5/31/2007	40.0	26.0	1.3	32.7	reduce to 12 on 12 off
	16:25	6/1/2007	40.5	25.4	1.4	32.7	
	15:20	6/2/2007	40.5	25.4	1.2	32.9	
	16:00	6/3/2007	39.5	25.2	1.4	33.9	
	14:04	6/4/2007	39.5	25.2	1.5	33.8	reduce to 6 on 18 off
	14:43	6/7/2007	39.5	25.0	1.4	34.1	
	16:46	6/12/2007	40.5	25.6	1.2	32.7	
	14:20	6/14/2007	40.5	25.4	1.2	32.9	
	13:55	6/19/2007	39.5	25.8	1.2	33.5	
	14:00	6/21/2007	39.5	25.4	1.5	33.6	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	13:50	7/11/2007	38.0	25.8	1.5	34.7	
	13:30	7/23/2007	38.5	26.6	1.4	33.5	
	14:17	8/8/2007	38.5	27.8	1.2	32.5	
	14:00	8/13/2007	38.5	28.2	1.5	31.8	
	13:20	8/20/2007	34.5	25.2	3.1	37.2	
	13:45	8/28/2007	36.5	27.8	1.3	34.4	
	15:30	8/31/2007	30.0	26.0	2.5	41.5	
	14:25	9/4/2007	26.0	26.0	2.0	46.0	
	12:55	9/17/2007	17.5	23.6	3.2	55.7	
	9:15	9/29/2007	17.5	23.8	2.9	55.8	
	8:15	10/4/2007	18.5	25.0	1.8	54.7	
	9:15	10/7/2007	19.0	25.2	1.7	54.1	
	9:30	10/18/2007	17.5	21.4	4.2	56.9	
	8:35	10/25/2007	23.0	25.2	2.3	49.5	
	8:50	11/1/2007	26.5	27.0	1.0	45.5	
	9:55	11/13/2007	28.0	25.8	1.8	44.4	
	11:05	11/26/2007	27.0	25.4	2.0	45.6	
	10:30	12/10/2007	26.0	25.8	2.1	46.1	
	11:15	12/26/2007	26.0	25.0	2.0	47.0	
	9:40	1/9/2008	24.5	21.6	4.7	49.2	
	11:58	1/23/2008	19.0	18.2	7.4	55.4	
	8:50	2/4/2008	17.0	15.4	9.4	58.2	
	7:20	2/18/2008	25.5	20.4	6.3	47.8	
	7:15	3/4/2008	30.5	21.2	7.1	41.2	
	8:25	3/18/2008	32.5	22.6	5.5	39.4	
	13:45	5/12/2008	43.0	25.8	2.5	28.7	
	8:45	5/19/2008	41.0	26.0	2.0	31.0	
	13:20	5/30/2008	31.0	23.6	3.2	42.2	
	8:35	6/12/2008	35.5	20.0	1.3	43.2	
	8:45	6/25/2008	33.0	24.8	3.6	38.6	
	10:45	7/7/2008	32.0	27.0	1.7	39.3	opened GV-6 to 200 ft/min
	12:20	7/21/2008	34.5	28.2	1.5	35.8	
	10:00	8/5/2008	34.5	27.6	2.1	35.8	
	9:20	8/13/2008	36.5	27.8	2.8	32.9	increase to 12 on 12 off
	9:05	8/19/2008	40.0	29.6	0.4	30.0	
	14:40	9/2/2008	34.0	29.6	1.3	35.1	
	11:49	10/3/2008	34.5	29.4	1.8	34.3	
	10:25	10/13/2008	36.5	29.8	1.7	32.0	
	9:35	10/28/2008	38.5	30.2	2.4	28.9	
	8:00	11/6/2008	39.0	30.4	1.5	29.1	
	10:55	12/8/2008	41.5	32.2	1.2	25.1	
	9:50	12/24/2008	23.0	20.8	7.0	49.2	decrease to 10 on
	11:20	1/8/2009	25.0	23.4	5.1	46.5	
	11:35	1/18/2009	13.5	19.8	5.5	61.2	
	7:45	1/27/2009	35.5	31.0	0.7	32.8	
	8:15	2/6/2009	26.5	25.2	3.5	44.8	
	10:15	2/23/2009	23.5	25.8	2.0	48.7	decrease to 8 on
	9:50	3/9/2009	23.0	23.8	3.7	49.5	
	9:40	3/20/2009	29.5	28.6	0.5	41.4	
	12:25	4/9/2009	47.0	18.6	2.0	32.4	
	10:15	4/19/2009	35.0	28.2	0.3	36.5	
	8:15	5/4/2009	29.0	27.8	0.3	42.9	
	8:30	5/18/2009	27.5	28.2	0.0	44.3	
	9:45	6/1/2009	23.0	26.8	0.0	50.2	
	9:20	6/14/2009	23.5	27.6	0.0	48.9	
	9:00	7/2/2009	26.5	26.0	1.3	46.2	
	7:45	7/13/2009	32.0	28.6	0.0	39.4	
	8:30	7/22/2009	33.9	28.6	0.0	37.5	
	9:10	8/11/2009	31.0	29.0	0.0	40.0	
	9:00	8/24/2009	27.5	29.0	0.0	43.5	decrease to 6 on 18 off

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	9:45	9/8/2009	30.5	29.6	0.0	39.9	
	9:38	9/21/2009	30.5	27.0	1.5	41.0	
	10:40	10/5/2009	38.5	30.8	0.0	30.7	
	10:50	10/28/2009	43.5	31.8	0.0	24.7	
	11:15	11/16/2009	40.0	30.6	0.6	28.8	
	9:50	12/18/2009	44.5	33.0	0.1	22.4	
	8:50	12/28/2009	49.0	33.2	0.0	17.8	
	9:00	1/11/2010	50.0	33.4	0.0	16.6	
	8:39	1/26/2010	55.5	33.6	0.0	10.9	
	11:50	2/25/2010	45.0	27.8	3.3	23.9	
	9:40	3/8/2010	53.5	31.8	0.0	14.7	
	9:10	3/22/2010	52.5	30.8	0.4	16.3	
	9:15	4/5/2010	52.5	30.8	0.2	16.5	
	9:30	4/19/2010	53.5	31.0	0.3	16.5	
	9:30	5/3/2010	52.5	30.8	0.0	16.7	
	10:10	5/17/2010	51.5	30.6	0.4	17.5	
	9:10	5/25/2010	50.0	30.8	0.2	19.0	
	9:30	6/24/2010	41.0	27.8	1.6	29.6	
	10:30	7/6/2010	37.5	27.8	1.6	33.1	
	9:18	7/19/2010	34.5	27.4	1.7	36.4	
	9:20	8/2/2010	32.0	27.4	1.7	38.9	
	10:05	8/16/2010	35.0	29.0	1.1	34.9	
	9:10	8/30/2010	39.5	30.4	0.0	30.1	
	9:26	9/13/2010	41.5	30.6	1.1	26.8	
	10:00	9/28/2010	44.5	31.0	1.1	23.4	
	8:12	10/12/2010	44.5	31.0	1.8	22.7	
	9:37	10/25/2010	48.0	32.2	1.3	18.5	
	9:36	11/2/2010	50.0	32.6	1.6	15.8	
	9:15	11/15/2010	48.0	32.4	1.6	18.0	
	9:55	12/10/2010	44.5	32.2	1.6	21.7	
	9:15	12/23/2010	43.5	32.6	1.6	22.3	
	9:30	1/10/2011	43	31.4	2.3	23.3	
	11:45	2/11/2011	52.0	30.8	1.5	15.7	
	9:30	2/22/2011	12.0	8.4	15.1	64.5	
	9:05	3/7/2011	13.0	9.2	14.5	63.3	
	12:10	3/24/2011	47.5	31.0	0.4	21.1	
	9:15	4/6/2011	49.5	30.8	0.3	19.4	
	8:08	4/25/2011	51.0	29.4	1.3	18.3	
	9:08	5/9/2011	53.5	29.8	0.6	16.1	
	9:31	5/23/2011	46.0	25.8	3.3	24.9	
	11:05	6/6/2011	57.0	30.0	0.6	12.4	
	9:21	6/15/2011	58.0	30.6	0.7	10.7	
	9:30	7/5/2011	60.5	30.2	0.8	8.5	
	8:10	7/13/2011	57.0	28.4	2.0	12.6	
	8:30	7/26/2011	63.5	30.6	0.6	5.3	
	8:30	8/8/2011	60.5	31.4	0.6	7.5	
	8:10	8/23/2011	57.5	31.8	0.7	10	
	15:15	9/9/2011	60.0	33.2	0.9	5.9	
	16:03	9/15/2011	62.0	33.6	1.1	3.3	
	8:40	9/21/2011	58.0	32.4	1.5	8.1	
	9:45	9/21/2011	60.0	34.2	0.8	5	
	9:35	9/22/2011	53.0	31.2	2.7	13.1	
	10:15	9/22/2011	60.0	34.0	1.1	4.9	
	11:04	9/22/2011	53.5	30.2	3.0	13.3	
	10:53	10/3/2011	47.0	33.2	1.1	18.7	
	14:00	10/24/2011	23.0	21.4	4.6	51	
	12:08	10/26/2011	51.8	34.8	0.6	12.8	
	10:59	11/7/2011	44.5	33.8	0.5	21.2	
	9:35	11/14/2011	46.0	33.8	0.2	20	
	9:30	12/12/2011	49.5	34.8	0.3	15.4	
	10:41	12/27/2011	49.0	34.0	0.2	16.8	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	9:00	1/10/2012	52.0	34.4	0.1	13.5	
	10:00	1/25/2012	48.0	34.8	0.4	16.8	
	9:35	2/20/2012	54.5	33.6	0.0	11.9	
	9:30	3/8/2012	53.5	31.6	1.0	13.9	
	10:30	4/2/2012	54.5	31.2	1.1	13.2	
	9:25	4/16/2012	43.0	25.4	4.4	27.2	
	9:30	4/30/2012	47.5	28.2	2.6	21.7	
	9:35	5/14/2012	48.0	28.2	2.4	21.4	
	9:30	5/29/2012	49.5	29.0	1.9	19.6	
	8:04	6/11/2012	51.0	29.2	4.7	15.1	
	9:59	6/25/2012	53.0	29.6	1.5	15.9	
	9:15	7/9/2012	50.5	28.6	2.2	18.7	
	8:55	7/23/2012	43.5	29.2	1.9	25.4	
	8:15	7/25/2012	44.0	29.4	2.0	24.6	
	9:21	8/6/2012	43.0	30.2	1.5	25.3	
	9:50	8/21/2012	40.0	30.0	1.6	28.4	
	9:30	9/4/2012	36.0	29.4	1.9	32.7	
	10:00	10/1/2012	29.5	27.6	2.6	40.3	
	8:48	10/15/2012	16.0	15.8	9.7	58.5	
	8:05	12/6/2012	8.5	6.6	17.8	67.1	Using rental meter
	9:15	12/17/2012	7.2	10.0	14.9	67.9	Using rental meter
	9:20	12/31/2012	8.0	6.6	16.4	69	Using rental meter
	8:30	1/9/2013	40.0	27.0	1.9	31.1	
	10:05	1/16/2013	42.0	29.0	1.2	27.8	
	9:30	1/28/2013	57.5	33.8	0.2	8.5	
	11:00	2/11/2013	59.0	35.0	0.6	5.4	
	9:42	2/25/2013	53.5	31.0	2.6	12.9	
	8:00	3/8/2013	63.0	35.8	0.1	1.1	
	9:15	3/22/2013	56.0	34.4	0.6	9.0	
	14:10	4/8/2013	52.0	29.0	0.5	18.5	
	15:30	4/22/2013	49.5	29.4	0.5	20.6	
	9:50	4/29/2013	43.0	27.6	0.5	28.9	
	8:45	5/13/2013	38.0	27.4	1.2	33.4	
	13:59	5/28/2013	33.0	26.0	1.6	39.4	
	9:00	6/7/2013	31.5	25.4	2.1	41.0	
	8:30	6/21/2013	30.5	25.4	1.7	42.4	
	9:00	7/5/2013	29.5	24.8	1.8	43.9	
	8:05	7/22/2013	29.5	25.8	1.5	43.2	
	9:05	8/5/2013	29.5	25.4	2.6	42.5	
	8:35	8/19/2013	31.0	25.8	2.0	41.2	
	8:45	9/5/2013	13.5	11.6	12.5	62.4	
	9:00	9/16/2013	12.5	10.4	13.4	63.7	
	7:50	9/30/2013	19.5	15.2	10.4	54.9	
	7:50	10/14/2013	26.5	20.0	7.7	45.8	
	7:50	10/28/2013	23.0	16.6	9.8	50.6	
	8:25	11/19/2013	32.5	22.8	5.9	38.8	
	7:50	12/2/2013	37.5	24.8	5.0	32.7	
	7:25	12/16/2013	22.0	15.6	11.3	51.1	
	7:13	12/27/2013	44.5	29.2	1.9	24.4	
	7:16	1/13/2014	48.5	29.0	1.0	21.5	
	7:40	1/30/2014	49.5	30.0	1.3	19.2	
	7:45	2/12/2014	51.0	30.6	1.8	16.6	
	8:08	2/24/2014	49.0	28.0	2.1	20.9	
	8:20	3/10/2014	53.0	29.6	1.6	15.8	
	8:30	3/24/2014	43.5	23.4	5.4	27.7	
	7:40	4/7/2014	49.5	26.2	2.5	21.8	
	10:53	4/22/2014	45.5	25.4	2.6	26.5	
	8:05	5/7/2014	48.0	27.8	1.1	23.1	
	8:00	5/19/2014	49.0	27.8	1.1	22.1	
	7:25	5/30/2014	47.5	27.8	1.3	23.4	
	7:50	6/16/2014	42.5	27.2	1.3	29.0	
	8:15	6/30/2014	32.5	26.2	1.2	40.1	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	8:16	7/14/2014	25.0	25.2	1.3	48.5	
	8:19	7/28/2014	22.0	25.6	1.9	50.5	
	8:32	8/11/2014	18.5	24.0	1.9	55.6	
	13:00	8/25/2014	29.5	24.2	1.7	44.6	
	8:00	9/8/2014	18.0	23.6	2.6	55.8	
	7:40	9/22/2014	20.0	24.4	2.5	53.1	
	8:10	10/7/2014	20.5	24.0	2.6	52.9	
	8:05	10/20/2014	24.5	24.6	2.7	48.2	
	7:58	11/3/2014	27.5	25.2	2.7	44.6	
	7:40	11/17/2014	30.0	25.8	2.6	41.6	
	7:46	12/2/2014	35.0	26.6	2.3	36.1	
	7:25	12/15/2014	27.5	22.0	1.5	49.0	Blower Off
	7:32	12/18/2014	37.5	27.8	2.5	32.2	
	7:48	1/2/2015	39.5	28.4	2.8	29.3	
	7:40	1/16/2015	43.0	26.6	2.1	28.3	
	7:45	1/26/2015	44.5	27.2	1.4	26.9	
	7:58	2/9/2015	43.5	28.6	2.1	25.8	
	8:10	2/24/2015	45.5	27.0	1.7	25.8	
	8:45	3/9/2015	47.0	25.4	1.9	25.7	
	7:40	3/23/2015	43.0	24.0	2.9	30.1	
	7:48	4/6/2015	40.0	24.0	2.0	34.0	
	8:19	4/22/2015	32.7	22.8	2.5	42.0	
	7:40	5/4/2015	33.0	22.2	2.3	42.5	
	7:30	5/18/2015	33.0	23.6	1.9	41.5	
	7:40	6/1/2015	32.5	23.4	2.4	41.7	
	7:43	6/15/2015	32.0	23.0	2.0	43.0	
	7:40	6/29/2015	32.0	24.2	1.9	41.9	
	7:40	7/14/2015	30.5	23.8	2.1	43.6	
	7:45	7/27/2015	30.5	24.8	1.5	43.2	
	7:40	8/10/2015	28.5	24.2	1.8	45.5	
	7:40	8/24/2015	28.0	24.6	1.9	45.5	
	7:55	9/8/2015	27.0	24.2	2.4	46.4	
	8:05	9/21/2015	27.0	25.4	2.2	45.4	
	7:40	10/5/2015	27.5	25.4	2.1	45.0	
	7:45	10/19/2015	28.0	25.6	2.1	44.3	
	8:00	11/2/2015	27.5	26.0	2.8	43.7	
	7:40	11/16/2015	30.0	25.8	2.0	42.2	
	11:00	11/30/2015	29.5	26.0	2.7	41.8	
	7:35	12/15/2015	35.0	26.8	2.1	36.1	
	7:45	12/28/2015	37.5	28.0	1.4	33.1	
	8:30	1/9/2016	36.5	25.6	2.2	35.7	
	8:00	1/25/2016	41.0	28.8	1.5	28.7	
	8:05	2/8/2016	37.5	26.2	1.9	34.4	
	7:47	2/22/2016	42.5	25.8	1.7	30.0	
	8:02	3/7/2016	41.0	24.4	1.4	33.2	
	8:45	3/21/2016	43.5	27.0	1.0	28.5	
	8:04	4/4/2016	41.5	28.4	1.1	29.0	
	8:18	4/18/2016	41.5	25.6	1.3	31.6	
	9:26	5/3/2016	41.5	25.8	0.7	32.0	
	8:00	5/16/2016	42.9	26.2	0.7	30.2	
	7:55	6/2/2016	43.5	26.4	0.3	29.8	
	8:00	6/14/2016	45.5	27.0	0.3	27.2	
	8:00	6/27/2016	47.0	26.6	0.2	26.2	
	10:25	7/14/2016	46.5	27.2	0.2	26.1	
	8:00	7/25/2016	45.5	28.8	0.2	25.5	
	7:55	8/8/2016	44.0	28.2	0.4	27.4	
	7:50	8/25/2016	42.0	28.6	0.3	29.1	
	7:35	9/6/2016	39.5	28.2	0.8	31.5	
	10:15	10/3/2016	36.0	28.6	0.7	34.7	
	8:25	10/19/2016	33.5	27.8	1.2	37.5	
	8:58	10/31/2016	33.0	27.6	1.7	37.7	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-2	8:13	11/14/2016	33.5	27.2	2.6	36.7	
	9:04	11/28/2016	33.0	26.4	2.5	38.1	
	9:16	12/9/2016	38.5	29.2	3.1	29.2	
	8:05	12/22/2016	36.5	27.8	2.4	33.3	
	8:05	1/4/2017	31.0	23.8	5.1	40.1	
	7:50	1/13/2017	36.2	26.7	2.6	34.5	
	7:45	1/27/2017	41.5	28.6	2.6	27.3	
	8:16	2/13/2017	43.0	25.8	2.7	28.5	
	8:15	2/27/2017	42.5	24.4	3.5	29.6	
	8:25	3/13/2017	46.0	26.4	2.8	24.8	
	7:45	3/28/2017	44.5	25.8	3.2	26.5	
	8:12	4/12/2017	47.5	26.0	2.5	24.0	
	7:35	4/18/2017	46.0	25.8	2.6	25.6	
	7:25	4/25/2017	48.0	27.2	2.2	22.6	
	7:38	5/8/2017	50.0	27.0	2.4	20.6	
	7:45	5/22/2017	44.0	23.4	4.1	28.5	
	8:00	6/5/2017	50.0	27.0	1.9	21.1	
	7:48	6/19/2017	47.0	27.4	1.6	24.0	
	8:34	7/4/2017	46.5	29.0	0.6	23.9	
	7:52	7/18/2017	44.5	29.6	0.2	25.7	
	7:56	8/1/2017	43.5	29.6	0.1	26.8	
	8:03	8/14/2017	44.5	29.8	0.3	25.4	
	8:15	8/29/2017	46.0	30.2	0.1	23.7	
	8:03	9/12/2017	46.5	30.6	0.3	22.6	
	8:15	9/25/2017	47.0	30.8	2.4	19.8	
	8:18	10/10/2017	49.0	31.8	0.7	18.5	
	7:57	10/23/2017	46.5	30.6	0.4	22.5	
	8:05	11/6/2017	46.5	31.0	1.8	20.7	
	8:11	11/17/2017	19.0	21.0	1.9	58.1	
	8:07	12/1/2017	47.0	30.8	0.8	21.4	
	8:17	12/18/2017	46.5	30.4	1.1	22.0	
	8:57	1/3/2018	43.5	29.4	1.2	25.9	
	8:03	1/11/2018	46.0	29.4	1.2	23.4	
	7:56	1/26/2018	35.0	23.2	4.6	37.2	
	8:27	2/13/2018	20.5	20.4	5.7	53.4	
	7:49	2/27/2018	27.0	25.2	2.1	45.7	
	7:49	3/13/2018	16.5	15.8	8.6	59.1	
	8:11	3/28/2018	26.0	24.4	1.7	47.9	
	8:23	4/10/2018	28.0	25.2	25.2	21.6	
	7:54	4/25/2018	30.5	25.2	0.7	43.6	
	8:11	5/8/2018	32.5	24.8	0.9	41.8	
	7:58	5/21/2018	33.5	24.8	0.9	40.8	
	8:15	6/5/2018	23.0	17.4	6.8	52.8	
	8:00	6/20/2018	35.0	25.0	0.8	39.2	
	8:10	6/28/2018	35.5	25.0	0.6	38.9	
	6:06	8/2/2018	28.8	25.4	2.1	43.7	Rental meter read "over" for methane
	6:34	9/15/2018	43.5	26.4	1.9	28.2	
	8:40	9/26/2018	45.0	27.2	1.7	26.1	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	11:31	3/20/2006	62.3	36.3	0.5	0.9	pre-startup
	10:06	3/22/2006	55.9	33.2	3.5	7.4	
	8:37	3/23/2006	53.5	30.5	3.4	12.6	
	16:30	3/23/2006	59.9	30.5	2.0	7.6	
	14:30	3/24/2006	8.6	6.7	17.0	67.7	
	14:45	3/28/2006	21.1	14.8	12.0	52.1	
	19:21	3/30/2006	51.2	30.4	1.6	16.8	
	13:35	4/5/2006	30.7	22.2	6.6	40.5	
	13:05	4/6/2006	19.0	14.9	11.9	54.2	
	13:20	4/11/2006	36.9	26.6	3.5	33.0	
	10:49	4/14/2006	38.2	27.8	1.0	33.0	
	15:30	4/14/2006	37.7	28.8	1.2	32.3	
	10:10	4/17/2006	10.5	0.6	0.8	88.1	
	19:38	4/27/2006	27.6	23.6	0.5	48.3	
	13:20	5/4/2006	0.0	0.0	8.8	91.2	
	10:25	5/22/2006	9.6	15.7	8.9	65.8	
	14:41	6/2/2006	0.6	0.1	20.4	78.9	
	8:29	6/9/2006	22.5	31.2	4.0	42.3	
	12:42	6/14/2006	20.5	15.6	3.2	60.7	
	10:51	6/22/2006	13.1	28.7	3.5	54.7	
	12:23	7/5/2006	13.0	29.6	1.9	55.5	
	11:38	7/10/2006	0.0	0.0	1.7	98.3	
	10:17	7/17/2006	11.9	28.3	1.8	58.0	
	14:09	7/28/2006	16.3	28.7	1.5	53.5	
	10:02	8/8/2006	11.4	28.8	1.5	58.3	
	9:10	8/16/2006	11.9	28.4	1.4	58.3	
	8:27	8/21/2006	2.4	5.8	1.8	90.0	
	14:14	8/28/2006	12.1	10.2	1.4	76.3	
	11:26	9/13/2006	6.8	11.8	1.7	79.7	
	11:25	9/25/2006	10.1	0.4	1.9	87.6	
	8:25	10/10/2006	10.8	29.6	2.7	56.9	
	8:26	10/23/2006	10.9	29.4	3.9	55.8	
	14:12	11/2/2006	9.5	23.4	0.4	66.7	
	15:09	11/14/2006	2.5	0.0	20.0	77.5	
	12:00	11/27/2006	0.3	1.2	18.9	79.7	
	13:10	12/26/2006	13.5	21.2	3.3	62.0	
	14:20	1/27/2007	13.0	21.4	1.9	63.7	
	11:40	2/24/2007	4.3	0.2	19.7	75.9	
	11:22	3/1/2007	12.0	19.6	4.1	64.3	
	12:30	3/1/2007	11.5	19.2	4.2	65.1	
	14:32	3/1/2007	11.5	18.8	4.1	65.6	
	7:50	3/5/2007	0.3	0.0	20.3	79.5	adjust blower time, 12 on, 12 off
	7:50	3/24/2007	15.0	19.2	4.1	61.7	
	16:34	3/24/2007	14.5	19.2	4.0	62.3	
	16:48	3/26/2007	12.5	18.6	3.6	65.3	
	7:09	3/27/2007	12.0	19.2	3.5	65.3	
	16:45	3/28/2007	13.0	19.8	3.6	63.6	
	7:40	3/29/2007	12.0	19.2	3.7	65.1	
	16:43	3/29/2007	12.0	19.2	3.8	65.0	
	7:45	3/30/2007	7.0	12.6	8.0	72.4	blower off
	11:30	5/30/2007	29.0	22.8	3.0	45.2	restart and run 24 hrs
	13:52	5/30/2007	30.5	22.8	3.2	43.5	
	10:10	5/31/2007	23.5	21.2	2.9	52.4	reduce to 12 on 12 off
	16:10	6/1/2007	21.5	20.8	2.8	54.9	
	15:13	6/2/2007	20.0	19.4	3.6	57.0	
	15:44	6/3/2007	19.0	20.2	2.8	58.0	
	13:45	6/4/2007	18.0	19.8	3.0	59.2	reduce to 6 on 18 off
	14:27	6/7/2007	23.0	22.2	2.8	52.0	
	16:15	6/12/2007	14.0	19.4	3.1	63.5	
	13:58	6/14/2007	14.5	19.2	3.1	63.2	
	13:35	6/19/2007	14.5	19.6	3.0	62.9	
	13:40	6/21/2007	14.0	19.2	3.2	63.6	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
	13:20	7/11/2007	14.0	19.2	3.3	63.5	
	13:10	7/23/2007	13.0	19.0	3.4	64.6	
	14:04	8/8/2007	13.0	19.4	3.4	64.2	
	13:50	8/13/2007	14.0	21.6	2.1	62.3	
	13:10	8/20/2007	11.8	19.8	2.7	65.7	
	13:35	8/28/2007	11.5	19.2	2.8	66.5	
	15:20	8/31/2007	8.5	18.0	3.5	70.0	
	14:15	9/4/2007	7.0	17.0	3.9	72.1	
	12:45	9/17/2007	5.5	15.8	4.7	74.0	
	9:05	9/29/2007	5.0	16.2	4.6	74.2	
	8:05	10/4/2007	5.5	16.0	4.6	73.9	
	9:05	10/7/2007	6.0	16.4	4.2	73.4	
	9:20	10/18/2007	7.5	16.8	3.6	72.1	
	8:25	10/25/2007	6.5	16.6	4.2	72.7	
	8:40	11/1/2007	7.5	16.8	4.3	71.4	
	9:45	11/13/2007	11.5	16.2	5.5	66.8	
	10:55	11/26/2007	7.0	14.4	6.4	72.2	
	10:20	12/10/2007	7.0	14.6	6.8	71.6	
	11:05	12/26/2007	7.5	14.4	6.4	71.7	
	9:30	1/9/2008	8.5	14.6	6.6	70.3	
	11:50	1/23/2008	7.5	14.4	7.3	70.8	
	8:40	2/4/2008	10.0	15.6	6.1	68.3	
	7:10	2/18/2008	12.5	15.4	6.8	65.3	
	7:40	3/4/2008	17.5	17.8	7.5	57.2	
	8:15	3/18/2008	20.0	17.6	6.2	56.2	
	13:35	5/12/2008	20.0	19.6	4.5	55.9	
	8:45	5/19/2008	11.5	16.6	5.6	66.3	
	13:10	5/30/2008	10.0	16.2	5.1	68.7	
	8:25	6/12/2008	9.5	17.4	5.2	67.9	
	8:35	6/25/2008	14.5	19.8	4.3	61.4	
LC-3	10:35	7/7/2008	10.5	17.0	4.9	67.6	opened GV-6 to 200 ft/min
	12:15	7/21/2008	10.5	19.0	4.1	66.4	
	10:00	8/5/2008	12.5	19.2	4.2	64.1	
	9:15	8/13/2008	13.5	19.6	4.3	62.6	increase to 12 on 12 off
	8:55	8/19/2008	9.5	18.4	4.6	67.5	
	14:25	9/2/2008	11.5	18.4	4.4	65.7	
	12:12	10/3/2008	12.5	19.0	4.8	63.7	
	10:15	10/13/2008	13.0	19.0	4.9	63.1	
	9:25	10/28/2008	13.5	19.6	5.4	61.5	
	7:50	11/6/2008	13.5	19.2	5.1	62.2	
	10:40	12/8/2008	12.0	18.8	5.6	63.6	
	9:40	12/24/2008	10.0	17.4	5.2	67.4	decrease to 10 on
	11:10	1/8/2009	9.5	17.0	5.5	68.0	
	11:45	1/18/2009	29.5	22.6	7.4	40.5	
	8:05	2/6/2009	8.5	16.0	5.8	69.7	1/27/09 ice in port
	10:05	2/23/2009	6.5	16.2	5.7	71.6	decrease to 8 on
	9:40	3/9/2009	11.0	17.0	5.2	66.8	
	9:30	3/20/2009	13.5	17.6	5.3	63.6	
	11:25	4/9/2009	17.5	18.8	4.9	58.8	
	10:10	4/19/2009	11.0	17.2	5.3	66.5	
	8:40	5/4/2009	4.2	17.4	3.3	75.2	
	8:45	5/18/2009	7.5	16.4	5.5	70.6	
	10:10	6/1/2009	3.8	16.0	4.3	76.0	
	9:10	6/14/2009	7.5	16.0	5.3	71.2	
	8:55	7/2/2009	15.8	18.0	4.5	61.7	
	7:35	7/13/2009	15.5	19.0	4.4	61.1	
	8:35	7/22/2009	11.5	18.0	4.8	65.7	
	9:00	8/11/2009	9.0	17.2	4.7	69.1	
	8:50	8/24/2009	7.0	15.8	5.7	71.5	decrease to 6 on 18 off
	9:35	9/8/2009	12.0	17.4	4.8	65.8	
	9:28	9/21/2009	14.5	18.6	4.8	62.1	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	10:25	10/5/2009	16.5	19.2	4.9	59.4	
	11:05	10/28/2009	18.5	20.4	4.7	56.4	
	11:05	11/16/2009	12.5	18.6	5.5	63.4	
	9:35	12/18/2009	25.0	23.2	4.0	47.8	
	9:20	12/28/2009	25.0	22.4	5.0	47.6	
	9:20	1/11/2010	24.5	23.4	4.4	47.7	
	8:20	1/26/2010	27.5	23.6	4.4	44.5	
	11:45	2/25/2010	24.0	23.2	4.3	48.5	
	10:04	3/8/2010	25.0	23.0	3.9	48.1	
	9:30	3/22/2010	24.0	22.0	4.5	49.5	
	9:35	4/5/2010	24.9	22.6	4.0	48.5	
	9:21	4/19/2010	24.5	22.2	4.4	48.9	
	9:31	5/3/2010	26.5	22.6	4.0	46.9	
	9:59	5/17/2010	26.0	22.4	4.3	47.3	
	8:55	5/25/2010	22.0	22.2	3.4	52.4	
	9:20	6/24/2010	22.5	21.0	1.4	55.1	
	10:20	7/6/2010	17.0	19.8	4.5	58.7	
	9:14	7/19/2010	15.5	19.0	4.7	60.8	
	9:10	8/2/2010	10.5	18.6	4.7	66.2	
	10:00	8/16/2010	18.5	19.8	4.2	57.5	
	9:05	8/30/2010	24.5	22.0	3.0	50.5	
	9:15	9/13/2010	27.0	22.4	4.3	46.3	
	9:18	9/28/2010	27.0	22.6	4.7	45.7	
	8:17	10/12/2010	24.5	22.4	5.0	48.1	
	9:30	10/25/2010	24.5	22.2	4.7	48.6	
	9:45	11/2/2010	22.0	21.8	5.4	50.8	
	9:06	11/15/2010	21.5	21.2	1.7	55.6	
	9:50	12/10/2010	20.0	20.6	5.7	53.7	
	9:10	12/23/2010	19.5	21.2	5.9	53.4	
	9:25	1/10/2011	20.5	20.8	6	52.7	
	8:41	1/25/2011	18.5	18.8	7.4	55.3	
	12:30	2/11/2011	29.5	21.6	6.1	42.8	
	10:15	2/22/2011	15.5	17.0	7.7	59.8	
	9:30	3/7/2011	15.5	17.4	7.1	60.0	
	12:00	3/24/2011	23.0	20.6	4.9	51.5	
	9:05	4/6/2011	31.0	21.6	4.9	42.5	
	8:04	4/25/2011	31.0	21.2	5.6	42.2	
	9:00	5/9/2011	37.5	23.0	4.5	35.0	
	9:20	5/23/2011	39.5	24.0	4.2	32.3	
	11:00	6/6/2011	40.5	24.4	4.1	31.0	
	9:15	6/15/2011	40.5	24.4	4.0	31.1	
	9:20	7/5/2011	39.0	24.6	3.6	32.8	
	8:13	7/13/2011	38.5	24.6	3.5	33.4	
	8:15	7/26/2011	37.5	24.4	3.5	34.6	
	8:25	8/8/2011	31.5	23.4	3.4	41.7	
	8:00	8/23/2011	28.5	22.4	3.9	45.2	
	15:21	9/9/2011	34.0	24.6	3.9	37.5	
	16:03	9/15/2011	27.5	23.0	4.7	44.8	
	8:35	9/21/2011	25.0	21.8	4.7	48.5	
	9:42	9/21/2011	25.0	21.4	4.9	48.7	
	9:33	9/22/2011	26.0	22.2	4.8	47.0	
	10:13	9/22/2011	26.0	21.8	5.1	47.1	
	10:59	9/22/2011	27.5	22.6	4.6	45.3	
	10:50	10/3/2011	18.0	20.2	5.1	56.7	
	14:05	10/24/2011	41.0	28.6	3.7	26.7	
	11:08	10/26/2011	24.5	22.0	5.0	48.5	
	10:52	11/7/2011	21.5	21.4	4.7	52.4	
	9:27	11/14/2011	23.5	21.8	4.4	50.3	
	9:37	12/12/2011	23.0	22.2	4.7	50.1	
	10:30	12/27/2011	28.0	23.0	4.2	44.8	
	8:51	1/10/2012	32.5	24.0	4.2	39.3	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	9:55	1/25/2012	33.0	26.0	4.2	36.8	
	9:29	2/20/2012	37.5	25.8	5.0	31.7	
	9:21	3/8/2012	36.5	24.8	5.5	33.2	
	9:00	4/2/2012	32.0	24.4	4.7	38.9	
	9:15	4/16/2012	29.5	22.8	5.0	42.7	
	9:25	4/30/2012	25.0	21.8	5.3	47.9	
	9:25	5/14/2012	27.0	22.2	5.0	45.8	
	9:18	5/29/2012	30.9	23.0	4.5	41.6	
	7:59	6/11/2012	31.5	23.4	4.4	40.7	
	9:53	6/25/2012	33.5	24.4	4.0	38.1	
	9:10	7/9/2012	32.5	24.6	3.5	39.4	
	8:47	7/23/2012	19.0	21.0	4.2	55.8	
	8:11	7/25/2012	19.0	21.0	4.4	55.6	
	9:10	8/6/2012	19.0	21.4	4.2	55.4	
	9:40	8/21/2012	19.0	20.6	4.8	55.6	
	9:21	9/4/2012	14.5	19.8	4.5	61.2	
	8:17	10/1/2012	10.5	16.4	6.6	66.5	reduce from 23 hrs to 16.5 hrs on
	8:40	10/15/2012	9.0	12.0	9.9	69.1	reduce from 16.5 hrs to 8.5 hrs on
	7:50	12/6/2012	18.5	20.0	5.2	56.3	reduce from 8.5 hrs to 4 hrs on
	9:10	12/17/2012	22.5	20.2	4.5	52.8	reduce from 4 hrs to 2 hrs on
	9:10	12/31/2012	26.0	22.4	4.5	47.1	
	8:30	1/9/2013	28.0	22.6	4.3	45.1	Increase from 2 hrs to 4 hrs on
	9:40	1/15/2013	29.0	22.6	3.9	44.5	Increase from 4 hrs to 8 hrs on
	9:17	1/28/2013	27.5	22.8	4.3	45.4	Increase from 8 hrs to 12 hrs on
	11:05	2/11/2013	27.0	20.2	7.2	45.6	Reduce from 12 hrs to 9 hrs on
	9:30	2/25/2013	42.0	27.8	3.1	27.1	Increase from 9 hrs to 18 hrs on
	7:50	3/8/2013	53.0	33.0	0.0	14.0	Increase from 18 hrs to 23.5 hrs on
	9:08	3/22/2013	54.5	33.6	0.1	11.8	
	13:55	4/8/2013	30.0	23.4	4.1	42.5	
	15:25	4/22/2013	21.5	4.0	3.9	70.6	
	9:44	4/29/2013	18.5	19.6	4.1	57.8	
	8:37	5/13/2013	16.5	19.0	4.9	59.6	
	13:48	5/28/2013	16.5	18.8	4.4	60.3	
	9:05	6/7/2013	17.0	19.0	4.5	59.5	
	8:25	6/21/2013	16.0	18.4	4.5	61.1	
	8:55	7/5/2013	15.5	18.2	4.5	61.8	
	8:00	7/22/2013	16.0	19.0	4.3	60.7	
	9:00	8/5/2013	16.0	10.4	5.3	68.3	Reduce from 10 hrs to 9 hrs on
	8:30	8/19/2013	17.5	18.8	4.9	58.8	
	8:40	9/5/2013	9.5	10.2	12.3	68.0	Reduce from 9 hrs to 4 hrs on
	8:55	9/16/2013	10.5	10.2	12.8	66.5	Reduce from 4 hrs to 2 hrs on
	7:45	9/30/2013	17.0	14.0	10.2	58.8	Reduce from 2 hrs to 1 hr on
	7:45	10/14/2013	23.5	18.0	8.4	50.1	Reduce from 1 hr to 0.5 hr on
	7:45	10/28/2013	21.5	15.4	10.3	52.8	Reduce from 0.5 hr to 0.25 hr on
	8:17	11/19/2013	31.0	21.8	7.4	39.8	Increase from 0.25 hr to 1 hr on
	7:40	12/2/2013	32.0	22.8	6.6	38.6	Reduce from 1 hr to 0.75 hr on
	7:20	12/16/2013	20.5	16.0	11.1	52.4	Reduce from 0.75 hr to 0.3 hr on
	7:10	12/27/2013	34.5	25.2	5.2	35.1	Reduce from 0.3 hr to 0.25 hr on
	7:12	1/13/2014	39.5	26.4	3.6	30.5	Increase from 0.25 hr to 1 hr on
	7:20	1/30/2014	37.0	26.6	4.2	32.2	Increase from 1 hr to 2 hr on
	7:40	2/12/2014	33.5	25.6	4.3	36.6	Increase from 2 hrs on to 8 hr on
	8:57	2/24/2014	31.0	23.6	5.2	40.2	Reduce from 8 hr on to 7 hr on
	8:30	3/10/2014	33.0	24.2	4.2	38.6	Increase from 7 hr on to 10hr on
	8:20	3/24/2014	23.5	18.8	6.9	50.8	Reduce from 10 hr on to 6 hr on
	7:35	4/7/2014	27.0	21.0	4.5	47.5	Increase from 6 hr on to 7 hr on
	10:50	4/22/2014	23.5	20.2	4.5	51.8	Increase from 7 hr on to 8 hr on
	7:57	5/7/2014	25.5	21.0	4.1	49.4	Increase from 8 hr on to 10 hr on
	7:55	5/19/2014	24.5	21.0	3.8	50.7	Increase from 10 hr on to 14 hr on
	7:20	5/30/2014	25.0	21.6	3.2	50.2	Increae from 14 hr on to 20 hr on
	7:45	6/16/2014	18.5	19.2	3.6	58.7	Increase from 20 hr on to 23.66 hr on
	8:08	6/30/2014	14.0	18.2	3.7	64.1	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	8:10	7/14/2014	11.5	17.2	4.4	66.9	
	8:11	7/28/2014	10.0	17.4	4.8	67.8	
	8:26	8/11/2014	8.0	15.6	5.3	71.1	Reduce from 23.66 hr on to 19.66 hr on
	7:30	8/25/2014	8.5	16.2	5.0	70.3	
	7:54	9/8/2014	8.0	15.2	6.1	70.7	Reduce from 19.66 hr on to 16 hr on
	7:35	9/22/2014	9.0	15.6	6.6	68.8	Reduce from 16 hr on to 12 hr on
	8:03	10/7/2014	9.5	15.2	6.8	68.5	Reduce from 12 hr on to 8 hr on
	8:00	10/20/2014	11.5	16.2	6.4	65.9	Reduce from 8 hr on to 4 hr on
	7:50	11/3/2014	16.5	18.2	5.9	59.4	Reduce from 4 hr on to 3 hr on
	7:35	11/17/2014	20.0	20.2	5.4	54.4	Reduce from 3 hr on to 2 hr on
	7:40	12/2/2014	23.0	20.0	6.3	50.7	Reduce from 2 hr on to 1 hr on
	7:19	12/15/2014	31.0	23.6	3.9	41.5	Blower off
	7:25	12/18/2014	30.0	23.6	4.5	41.9	Increase from 1 hr on to 2 hr on
	7:40	1/2/2015	30.1	24.0	5.0	40.9	Blower not working
	7:30	1/16/2015	24.0	17.6	8.1	50.3	Run 2 hr on
	7:39	1/26/2015	32.5	23.0	4.5	40.0	increase from 2 hr on to 3 hr on
	7:44	2/9/2015	31.0	24.6	4.3	40.1	Increase from 3 hr on to 5 hr on
	8:18	2/24/2015	31.6	23.2	4.1	41.1	Increase from 5 hr on to 8 hr on
	8:35	3/9/2015	26.0	21.0	4.5	48.5	Increase from 8 hr on to 12 hr on
	7:35	3/23/2015	17.0	17.2	5.9	59.9	Reduce from 12 hr on to 10 hr on
	7:43	4/6/2015	17.0	17.8	5.2	60.0	Reduce from 10 hr on to 9 hr on
	8:12	4/22/2015	14.5	16.6	5.8	63.1	Reduce from 9 hr on to 7 hr on
	7:30	5/4/2015	16.0	16.4	5.1	62.5	Reduce from 7 hr on to 6 hr on
	7:25	5/18/2015	17.5	18.4	4.3	59.8	Increase from 6 hr on to 7 hr on
	7:32	6/1/2015	15.5	17.6	5.0	61.9	
	7:35	6/15/2015	16.0	17.8	4.4	61.8	Increase from 7 hr on to 8 hr on
	7:40	6/29/2015	16.0	18.4	4.5	61.1	Increase from 8 hr on to 10 hr on
	7:35	7/14/2015	14.5	18.0	4.5	63.0	Increase from 10 hr on to 12 hr on
	7:38	7/27/2015	13.5	17.8	4.7	64.0	Increase from 12 hr on to 13 hr on
	7:35	8/10/2015	12.5	17.2	4.8	65.5	Increase from 13 hr on to 15 hr on
	7:35	8/24/2015	11.5	16.8	5.1	66.6	Reduce from 15 hr on to 14 hr on
	7:48	9/8/2015	11.5	17.2	4.8	66.5	Increase from 14 hr on to 15 hr on
	8:00	9/21/2015	11.0	17.0	5.5	66.5	Reduce from 15 hr on to 13 hr on
	7:35	10/5/2015	11.0	17.2	5.6	66.2	
	7:40	10/19/2015	11.0	16.8	6.1	66.1	Reduce from 13 hr on to 11 hr on
	7:55	11/2/2015	11.5	17.2	5.7	65.6	Reduce from 11 hr on to 9 hr on
	7:35	11/16/2015	13.5	17.8	5.6	63.1	Reduce from 9 hr on to 7 hr on
	11:05	11/30/2015	15.0	18.8	5.8	60.4	Reduce from 7 hr on to 5 hr on
	7:30	12/15/2015	18.5	19.6	4.7	57.2	Increase from 5 hr on to 7 hr on
	7:40	12/28/2015	20.0	20.6	4.9	54.5	
	8:25	1/9/2016	20.5	19.8	4.9	54.8	
	7:58	1/25/2016	21.5	21.2	5.1	52.2	Reduce from 7 hr on to 6 hr on
	8:00	2/8/2016	21.5	20.0	5.7	52.8	Reduce from 6 hr on to 4 hr on
	7:42	2/22/2016	27.0	21.0	4.7	47.3	Increase from 4 hr on to 6 hr on
	7:55	3/7/2016	25.0	20.2	4.5	50.3	Increase from 6 hr on to 9 hr on
	8:40	3/21/2016	23.0	21.6	4.3	51.1	Increase from 9 hr on to 13 hr on
	7:57	4/4/2016	20.0	19.6	5.6	54.8	Reduce from 13 hr on to 9 hr on
	8:12	4/18/2016	22.5	20.0	5.3	52.2	Reduce from 9 hr on to 7 hr on
	9:24	5/3/2016	25.5	20.8	4.8	48.9	Increase from 7 hr on to 8 hr on
	7:55	5/16/2016	28.5	22.2	4.5	44.8	Increase from 8 hr on to 10 hr on
	7:50	6/2/2016	31.0	23.2	3.6	42.2	Increase from 10 hr on to 15 hr on
	7:55	6/14/2016	29.0	22.8	3.7	44.5	Increase from 15 hr on to 20 hr on
	7:55	6/27/2016	26.5	21.8	4.4	47.3	Increase from 20 hr on to 23.5 hr on
	10:30	7/14/2016	25.0	21.6	3.8	49.6	
	8:00	7/25/2016	24.5	22.4	3.5	49.6	
	7:50	8/8/2016	23.0	21.8	3.8	51.4	
	7:45	8/25/2016	21.5	21.6	3.7	53.2	
	7:30	9/6/2016	18.0	20.4	4.2	57.4	
	10:10	10/3/2016	15.5	19.2	4.8	60.5	
	8:18	10/19/2016	14.5	18.4	5.6	61.5	Reduce from 23.5 hr on to 19.5 hr on
	8:54	10/31/2016	14.5	18.0	6.2	61.3	Reduce from 19.5 hr on to 13.5 hr on

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
LC-3	8:11	11/14/2016	16.0	18.4	6.2	59.4	Reduce from 13.5 hr on to 7.5 hr on
	8:57	11/28/2016	20.0	19.6	5.9	54.5	
	9:13	12/9/2016	22.5	21.4	5.9	50.2	Reduce from 7.5 hr on to 5 hr on
	8:00	12/22/2016	23.5	21.0	6.1	49.4	Reduce from 5 hr on to 3 hr on
	8:10	1/4/2017	22.5	19.8	6.6	51.1	Reduce from 3 hr on to 2 hr on
	7:40	1/13/2017	23.7	21.2	6.2	48.9	Reduce from 2 hr on to 1 hr on
	7:34	1/27/2017	34.5	25.6	4.5	35.4	Increase from 1 hr on to 2 hr on
	8:10	2/13/2017	33.0	23.8	5.0	38.2	Reduce from 2 hr on to 1.5 hr on
	8:05	2/27/2017	33.5	23.2	5.6	37.7	Reduce from 1.5 hr on to 1 hr on
	8:30	3/13/2017	36.5	24.4	5.4	33.7	Reduce from 1 hr on to 0.75 hr on
	7:35	3/28/2017	36.0	24.6	4.7	34.7	Increase from 0.75 hr on to 1 hr on
	8:10	4/12/2017	37.0	25.0	4.8	33.2	Increase from 1 hr on to 3.5 hr on (sampling)
	7:48	4/18/2017	21.0	16.2	9.6	53.2	Reduce from 3.5 hr on to 1.5 hr on
	7:16	4/25/2017	36.0	25.6	4.3	34.1	Increase from 1.5 hr on to 3.5 hr on
	7:27	5/8/2017	35.0	25.2	4.6	35.2	Increase from 3.5 hr on to 6.5 hr on
	7:38	5/22/2017	29.5	22.2	4.8	43.5	Increase from 6.5 hr on to 8.5 hr on
	7:52	6/5/2017	28.0	22.6	3.9	45.5	Increase from 8.5 hr on to 14.5 hr on
	7:40	6/19/2017	23.5	21.8	3.2	51.5	Increase from 14.5 hr on to 20.5 hr on
	8:31	7/4/2017	23.5	22.8	2.7	51.0	Increase from 20.5 hr on to 23.5 hr on
	7:48	7/18/2017	28.0	24.8	2.0	45.2	
	7:53	8/1/2017	29.5	25.6	1.8	43.1	
	7:58	8/14/2017	31.5	26.2	1.4	40.9	
	8:13	8/29/2017	31.0	26.6	1.3	41.1	
	8:01	9/12/2017	31.0	26.8	1.2	41.0	
	8:12	9/25/2017	32.0	27.0	2.6	38.4	
	8:15	10/10/2017	32.0	27.6	1.2	39.2	
	7:54	10/23/2017	31.5	27.0	1.1	40.4	
	8:02	11/6/2017	33.5	28.2	1.2	37.1	
	8:08	11/17/2017	34.0	28.2	0.9	36.9	
	8:05	12/1/2017	34.5	28.6	1.0	35.9	
	8:15	12/18/2017	34.0	28.4	1.0	36.6	
	8:52	1/3/2018	36.5	27.8	1.9	33.8	
	8:01	1/11/2018	31.0	24.4	4.2	40.4	
	7:53	1/26/2018	18.5	19.6	5.3	56.6	Decreased from 23.5 hr on to 20 hr on
	8:18	2/13/2018	9.5	14.0	8.0	68.5	Decrease from 20 hr on to 12 hr on
	7:46	2/27/2018	19.0	20.2	3.9	56.9	
	7:46	3/13/2018	28.0	25.0	1.2	45.8	
	8:08	3/28/2018	22.5	21.8	3.5	52.2	
	8:21	4/10/2018	22.5	22.0	3.6	51.9	Increase from 12 hr on to 16 hr on
	7:51	4/25/2018	22.5	21.4	3.5	52.6	
	8:08	5/8/2018	24.5	21.4	3.1	51.0	
	7:55	5/21/2018	21.0	21.0	3.1	54.9	Decrease from 16 hr on to 12 hr on
	8:21	6/5/2018	22.5	21.2	2.9	53.4	Decreae from 12 hr on to 11 hr on
	8:02	6/20/2018	25.0	22.0	2.4	50.6	
	8:07	6/28/2018	24.0	22.0	2.4	51.6	Decrease from 11 hr on to 2 hr on
	6:04	8/2/2018	23.2	25.2	3.5	48.1	Rental meter read "over" for methane
	6:37	9/15/2018	37.0	26.7	3.1	33.2	Increase from 2 hr on to 9 hr on (8/21/18)
	8:37	9/26/2018	32.5	25.8	3.0	38.7	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	11:19	3/20/2006	0.4	0.2	20.9	78.5	pre-startup
	10:00	3/22/2006	45.9	26.6	2.6	24.9	
	15:49	3/22/2006	54.2	31.6	0.9	13.3	
	8:47	3/23/2006	51.5	29.5	1.3	17.7	
	16:50	3/23/2006	45.0	25.4	3.8	25.8	
	15:30	3/24/2006	24.0	13.9	15.0	47.1	
	14:30	3/28/2006	13.2	10.0	12.9	63.9	
	19:00	3/30/2006	34.4	24.9	2.9	37.8	
	13:25	4/5/2006	22.9	18.7	8.2	50.2	
	12:55	4/6/2006	21.9	17.4	7.9	52.8	
	13:10	4/11/2006	23.8	20.2	5.9	50.1	
	10:56	4/14/2006	26.9	23.4	2.3	47.4	
	15:53	4/14/2006	21.3	28.5	5.4	44.8	
	10:00	4/17/2006	31.3	34.0	3.0	31.7	
	19:55	4/27/2006	15.6	19.8	4.0	60.6	
	13:15	5/4/2006	0.0	0.0	2.4	97.6	
	10:19	5/22/2006	16.2	24.6	1.3	57.9	
	8:23	6/9/2006	24.4	32.8	6.2	36.6	
	12:37	6/14/2006	22.8	29.3	5.6	42.3	
	10:46	6/22/2006	12.1	23.0	5.4	59.5	
	12:07	7/5/2006	13.7	24.7	4.9	56.7	
	11:33	7/10/2006	12.6	26.2	4.0	57.2	
	10:54	7/17/2006	12.7	25.6	3.9	57.8	
	14:04	7/28/2006	4.8	24.5	4.4	66.3	
	9:53	8/8/2006	14.8	29.1	2.3	53.8	
	9:06	8/16/2006	14.8	27.1	4.1	54.0	
	8:22	8/21/2006	12.7	8.6	3.8	74.9	
	14:10	8/28/2006	16.6	25.7	5.0	52.7	
	11:24	9/13/2006	8.2	1.4	5.3	85.1	
	11:20	9/25/2006	8.1	0.8	1.8	89.3	
	8:20	10/10/2006	18.1	30.1	3.2	48.6	
	8:21	10/23/2006	12.8	18.1	4.6	64.5	
	14:05	11/2/2006	10.0	22.4	1.3	66.3	
	14:56	11/14/2006	19.0	21.8	4.5	54.7	
	11:27	11/27/2006	9.0	14.6	8.4	68.0	
	13:00	12/26/2006	15.5	22.8	1.5	60.2	
	14:02	1/27/2007	13.5	20.8	1.7	64.0	
	9:32	2/15/2007	0.6	11.4	8.0	80.1	
	11:24	2/24/2007	2.6	12.0	9.6	75.9	
	9:41	3/1/2007	23.0	24.0	0.2	52.8	
	10:15	3/1/2007	13.5	17.8	3.6	65.1	
	10:17	3/1/2007	12.0	19.2	1.3	67.5	
	11:13	3/1/2007	9.0	17.4	2.5	71.1	
	12:22	3/1/2007	7.5	16.6	3.0	72.9	
	13:53	3/1/2007	6.5	15.6	4.3	73.6	
	14:00	3/1/2007	7.0	15.5	4.2	73.3	
	14:40	3/1/2007	6.0	14.4	5.2	74.4	
	8:00	3/5/2007	6.0	14.4	6.4	73.2	adjust blower time, 12 on, 12 off
	8:05	3/24/2007	11.5	20.0	2.8	65.7	
	16:50	3/24/2007	12.0	19.4	2.8	65.8	
	17:05	3/26/2007	9.5	18.4	3.2	68.9	
	7:25	3/27/2007	7.0	17.6	4.1	71.3	
	16:31	3/28/2007	11.0	20.0	1.8	67.2	
	7:59	3/29/2007	8.5	19.8	1.4	70.3	
	16:55	3/29/2007	12.0	20.0	1.3	66.7	
	7:59	3/30/2007	9.0	20.8	0.3	69.9	blower off
	10:45	5/30/2007	31.0	22.6	0.7	45.7	restart and run 24 hrs
	13:40	5/30/2007	36.5	26.2	0.6	36.7	
	10:25	5/31/2007	21.5	22.8	1.5	54.2	reduce to 12 on 12 off

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	16:28	6/1/2007	20.5	22.0	1.1	56.4	
	15:25	6/2/2007	20.0	21.8	1.1	57.1	
	16:05	6/3/2007	20.5	22.4	0.5	56.6	
	14:08	6/4/2007	16.5	22.0	0.8	60.7	reduce to 6 on 18 off
	15:04	6/7/2007	19.0	22.6	0.4	58.0	
	17:35	6/12/2007	14.0	21.6	1.7	62.7	
	15:00	6/14/2007	14.0	21.8	0.6	63.6	
	14:30	6/19/2007	13.0	22.8	0.7	63.5	
	14:30	6/21/2007	15.0	21.8	1.4	61.8	
	14:20	7/11/2007	14.0	20.2	3.1	62.7	
	14:20	7/23/2007	15.0	21.0	3.3	60.7	
	14:10	8/8/2007	14.0	20.2	3.8	62.0	
	13:15	8/13/2007	12.0	18.6	5.1	64.3	
	14:20	8/20/2007	9.5	18.0	5.1	67.4	
	14:15	8/28/2007	9.0	18.6	4.4	68.0	
	15:50	8/31/2007	6.0	19.2	2.5	72.3	
	14:45	9/4/2007	6.0	18.2	3.2	72.6	
	13:15	9/17/2007	5.0	16.8	4.3	73.9	
	9:35	9/29/2007	4.7	16.8	4.3	74.2	
	8:35	10/4/2007	4.4	16.2	4.7	74.8	
	9:35	10/7/2007	4.7	17.0	3.6	74.7	
	9:40	10/18/2007	7.5	20.0	0.6	71.9	
	9:10	10/25/2007	7.0	2.0	0.5	90.5	
	9:10	11/1/2007	7.0	20.6	0.2	72.2	
	10:05	11/13/2007	17.5	22.0	0.7	59.8	
	11:20	11/26/2007	6.0	15.6	5.5	72.9	reduce to 12 on 12 off
	10:50	12/10/2007	7.0	16.8	4.8	71.4	reduce to 10 on 14 off
	11:40	12/26/2007	6.5	15.6	4.9	73.0	reduce to 8 on 16 off
	10:05	1/9/2008	6.0	15.6	4.9	73.5	
	12:05	1/23/2008	5.5	13.4	7.3	73.8	
	9:10	2/4/2008	12.5	19.4	0.9	67.2	
	7:40	2/18/2008	17.0	20.4	0.7	61.9	
	7:20	3/4/2008	21.0	21.0	0.9	57.1	
	8:35	3/18/2008	31.0	22.8	0.8	45.4	
	14:15	5/12/2008	14.5	19.6	3.1	62.8	
	9:05	5/19/2008	5.5	14.8	6.4	73.3	
	13:40	5/30/2008	12.0	20.4	0.2	67.4	
	9:15	6/12/2008	5.0	16.8	5.5	72.7	
	9:10	6/25/2008	10.0	23.4	0.6	66.0	
	11:20	7/7/2008	5.5	20.0	0.0	74.5	opened GV-6 to 200 ft/min
	12:25	7/21/2008	7.5	20.8	1.3	70.4	
	9:45	8/5/2008	9.5	21.8	0.5	68.2	
	9:00	8/13/2008	11.5	21.6	1.4	65.5	increase to 12 on 12 off
	8:40	8/19/2008	4.9	15.4	6.8	73.0	
	14:00	9/2/2008	5.5	18.4	2.0	74.1	
	11:46	10/3/2008	3.7	9.6	11.0	75.7	
	10:35	10/13/2008	9.0	20.4	1.8	68.8	
	9:10	10/28/2008	7.0	19.2	2.8	71.0	
	7:30	11/6/2008	10.0	20.2	1.5	68.3	
	10:10	12/24/2008	6.0	15.6	4.5	73.9	12/8/08 meter failure
	11:45	1/8/2009	3.1	13.6	6.5	76.8	1/27/09 ice in port
	11:15	1/18/2009	8.5	19.0	3.2	69.3	
	8:30	2/6/2009	3.2	12.4	7.7	76.8	
	10:45	2/23/2009	1.5	10.8	9.7	78.1	decrease to 8 on
	10:10	3/9/2009	3.0	14.6	3.3	79.1	
	10:10	3/20/2009	4.4	16.8	2.1	76.8	
	12:21	4/9/2009	8.0	18.4	0.0	73.6	
	10:30	4/19/2009	3.6	13.0	6.7	76.7	
	8:30	5/4/2009	1.6	11.4	8.5	78.6	
	8:35	5/18/2009	2.0	12.4	7.2	78.4	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	10:05	6/1/2009	1.3	11.4	7.9	79.4	
	8:50	6/14/2009	1.7	13.8	4.7	79.8	
	8:40	7/2/2009	9.0	20.8	0.3	69.9	
	7:25	7/13/2009	11.5	23.0	0.0	65.5	
	8:25	7/22/2009	4.5	16.2	4.4	74.9	
	8:40	8/11/2009	1.9	11.8	7.7	78.6	
	8:40	8/24/2009	1.8	11.4	7.9	79.0	decrease to 6 on 18 off
	9:15	9/8/2009	7.0	18.4	1.6	73.0	
	9:10	9/21/2009	16.0	22.4	0.4	61.2	
	10:09	10/5/2009	9.5	19.8	2.0	68.7	
	10:55	10/28/2009	12.5	20.8	1.6	65.1	
	10:45	11/16/2009	15.5	4.5	16.0	64.0	
	9:15	12/18/2009	24.0	23.8	0.0	52.2	
	9:00	12/28/2009	21.5	22.4	5.0	51.1	
	9:10	1/11/2010	15.5	20.4	2.8	61.3	
	12:30	2/25/2010	21.2	21.2	0.7	56.9	
	9:45	3/8/2010	18.0	21.2	0.2	60.6	
	9:20	3/22/2010	18.0	21.2	0.3	60.5	
	9:20	4/5/2010	7.0	20.2	1.2	71.6	
	9:12	4/19/2010	14.0	21.0	0.1	64.9	
	9:12	5/3/2010	12.5	21.4	0.0	66.1	
	9:42	5/17/2010	22.5	23.6	0.0	53.9	
	9:04	5/25/2010	5.0	19.8	2.9	72.3	
	9:10	6/24/2010	9.0	19.6	1.7	69.7	
	9:00	7/19/2010	3.4	16.8	2.7	77.1	
	8:50	8/2/2010	4.5	12.0	3.0	80.6	
	9:43	8/16/2010	14.0	22.0	1.2	62.8	
	8:47	8/30/2010	21.5	25.0	1.0	52.5	
	9:00	9/13/2010	30.0	26.6	1.2	42.2	
	9:47	9/28/2010	37.0	28.2	1.2	33.6	
	8:10	10/12/2010	24.0	25.0	1.7	49.3	
	9:12	10/25/2010	35.5	26.8	1.2	36.5	
	9:30	11/2/2010	15.5	22.0	1.9	60.6	
	8:45	11/15/2010	13.5	21.0	1.7	63.8	
	9:40	12/10/2010	9.0	19.2	2.1	69.7	
	8:50	12/23/2010	6.0	18.2	2.8	73.0	
	9:10	1/10/2011	28.0	4.8	15.7	51.5	
	12:00	2/11/2011	30.5	20.8	0.5	48.2	
	9:40	2/22/2011	1.7	7.4	14.2	76.7	
	9:15	3/7/2011	4.4	10.0	11.5	74.1	
	11:45	3/24/2011	7.5	12.2	6.9	73.4	
	8:45	4/6/2011	17.5	19.2	0.9	62.4	
	8:12	4/25/2011	18.6	20.8	0.7	59.9	
	8:45	5/9/2011	29.5	22.8	0.4	47.3	
	9:00	5/23/2011	35.5	24.4	0.4	39.7	
	10:45	6/6/2011	39.5	25.2	0.3	35.0	
	8:59	6/15/2011	41.0	26.8	0.3	31.9	
	9:10	7/5/2011	35.4	26.0	0.6	38.0	
	8:09	7/13/2011	24.0	24.8	0.6	50.6	
	8:10	7/26/2011	35.0	27.4	0.7	36.9	
	8:10	8/8/2011	20.0	23.6	0.5	55.9	
	7:45	8/23/2011	19.0	24.8	0.9	55.3	
	15:17	9/9/2011	29.0	1.2	26.4	43.4	
	16:01	9/15/2011	19.0	24.6	0.5	55.9	
	8:27	9/21/2011	39.5	29.0	0.5	31.0	
	9:35	9/21/2011	20.0	22.1	1.5	56.4	
	9:27	9/22/2011	26.0	22.2	4.8	47.0	
	10:09	9/22/2011	9.9	19.2	2.5	68.4	
	10:55	9/22/2011	11.5	18.8	3.3	66.4	
	10:40	10/3/2011	4.6	13.6	8.1	73.8	
	13:49	10/24/2011	7.5	20.4	1.2	70.9	
	10:55	10/26/2011	7.5	16.4	5.8	70.3	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	10:40	11/7/2011	4.5	14.6	6.6	74.3	
	9:15	11/14/2011	7	17.8	3	72.2	
	10:30	11/14/2011	5	6.8	2.7	85.5	
	9:12	12/12/2011	7.5	16.8	4.3	71.4	
	10:17	12/27/2011	9	7	13.9	70.1	
	8:40	1/10/2012	12	19.6	1	67.4	
	10:05	1/25/2012	11.5	22.6	0.2	65.7	
	9:15	2/20/2012	12.5	14.4	2.1	71	
	9:00	3/8/2012	11	18.4	2.9	67.7	
	10:20	4/2/2012	9.0	18.2	2.6	70.2	
	9:05	4/16/2012	14.9	20.4	1.2	63.5	
	9:10	4/30/2012	17.0	21.0	1.3	60.7	
	9:15	5/14/2012	16.0	21.0	1.3	61.7	
	9:10	5/29/2012	14.5	20.4	1.8	63.3	
	7:45	6/11/2012	23.0	23.8	1.4	51.8	
	9:40	6/25/2012	8.5	18.4	3.3	69.8	
	9:00	7/9/2012	12.0	19.4	3.1	65.5	
	8:33	7/23/2012	3.8	12.0	8.3	76.0	
	8:19	7/25/2012	10.0	18.8	2.8	68.4	
	9:00	8/6/2012	4.4	13.6	7.3	74.8	
	9:17	8/21/2012	4.1	13.8	6.5	75.7	
	9:10	9/4/2012	3.2	11.2	8.6	77.1	
	9:05	10/1/2012	2.3	9.4	10.2	78.2	
	8:30	10/15/2012	2.0	10.4	9.0	78.6	
	7:40	12/6/2012	15.0	19.4	1.4	64.2	
	9:00	12/17/2012	9.0	14.2	4.5	72.3	
	8:50	12/31/2012	42.0	2.6	18.7	36.7	1st time O2 over 5% (used rental meter)
	8:30	1/9/2013	28.0	1.8	19.6	50.6	wrong port used for O2 (3.3, 2nd reading)
	8:08	1/15/2013	21.0	20.4	0.3	58.3	
	9:05	1/28/2013	35.5	23.6	3.2	37.7	
	10:45	2/11/2013	18.5	12.8	9.4	59.3	
	9:15	2/25/2013	31.5	21.8	1.7	45.0	
	7:30	3/8/2013	34.5	22.6	0.1	42.8	
	8:50	3/22/2013	41.5	22.2	0.0	36.3	
	13:50	4/8/2013	10.5	15.6	4.3	69.6	
	15:15	4/22/2013	14.0	19.0	1.2	65.8	
	9:35	4/29/2013	4.3	13.2	5.0	77.6	Reduce from 23.5 hrs to 20.5 hrs on
	8:30	5/13/2013	3.4	11.6	7.4	77.7	Reduce from 20.5 hrs to 16 hrs on
	13:36	5/28/2013	4.8	13.2	5.8	76.2	Reduce from 16 hrs to 12 hrs on
	8:45	6/7/2013	3.9	13.0	6.1	77.1	
	8:12	6/21/2013	6.5	15.4	4.8	73.3	
	8:45	7/5/2013	3.6	13.0	6.2	77.2	
	7:48	7/22/2013	5.0	15.2	4.7	75.1	Reduce from 12 hrs to 10 hrs on
	8:50	8/5/2013	10.0	18.6	2.4	69.0	
	8:15	8/19/2013	9.0	17.4	3.1	70.5	
	8:30	9/5/2013	2.4	10.2	10.0	77.5	
	8:45	9/16/2013	3.5	11.4	9.2	75.9	
	7:30	9/30/2013	23.5	21.6	3.5	51.4	
	7:35	10/14/2013	14.5	19.4	4.5	61.6	
	7:39	10/28/2013	12.0	16.2	6.7	65.1	
	8:05	11/19/2013	15.0	18.0	5.8	61.2	
	7:30	12/2/2013	41.5	25.6	1.4	31.5	
	7:10	12/16/2013	22.5	20.0	3.2	54.3	
	7:05	12/27/2013	39.5	24.6	0.6	35.3	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	7:05	1/13/2014	45.5	24.6	0.4	29.5	
	7:15	1/30/2014	39.5	24.0	0.3	36.2	
	7:30	2/12/2014	39.5	21.8	2.5	36.2	
	7:45	2/24/2014	12.5	15.6	4.2	67.7	
	8:15	3/10/2014	42.0	23.6	0.9	33.5	
	8:10	3/24/2014	12.4	14.0	5.7	67.9	
	7:25	4/7/2014	22.5	18.2	2.2	57.1	
	10:42	4/22/2014	8.5	13.8	5.1	72.6	
	7:40	5/7/2014	20.0	18.2	2.2	59.6	
	7:40	5/19/2014	9.0	16.6	2.9	71.5	
	7:10	5/30/2014	6.0	15.4	4.2	74.4	
	7:25	6/16/2014	3.1	11.6	8.0	77.4	
	7:48	6/30/2014	4.8	12.4	7.8	75.1	
	8:00	7/14/2014	3.0	11.4	8.4	77.2	
	7:48	7/28/2014	1.5	10.2	10.0	78.4	
	8:15	8/11/2014	2.5	11.2	8.4	77.9	
	7:20	8/25/2014	1.1	8.6	10.7	79.7	
	7:40	9/8/2014	1.9	10.4	9.2	78.5	
	7:25	9/22/2014	1.5	9.8	10.4	78.3	
	7:45	10/7/2014	3.0	11.8	7.4	77.9	
	7:40	10/20/2014	6.0	16.0	2.8	75.2	
	7:30	11/3/2014	10.5	16.6	4.2	68.7	
	7:25	11/17/2014	12.5	16.2	4.9	66.4	
	7:30	12/2/2014	9.5	16.2	4.1	70.2	
	7:10	12/15/2014	24.5	20.0	1.7	53.8	Blower off
	7:15	12/18/2014	16.0	18.8	1.6	63.6	
	7:25	1/2/2015	14.5	18.0	2.9	64.6	
	7:18	1/16/2015	12.0	14.5	4.5	69.0	
	7:25	1/26/2015	27.0	19.6	0.6	52.8	
	7:25	2/9/2015	9.0	15.2	4.5	71.3	
	7:55	2/24/2015	19.5	11.4	9.0	60.1	
	8:21	3/9/2015	14.0	16.2	2.2	67.6	
	7:20	3/23/2015	6.5	13.6	3.4	76.5	
	7:30	4/6/2015	7.0	13.8	3.8	75.4	
	8:23	4/22/2015	49.0	9.6	8.7	32.7	
	7:15	5/4/2015	3.7	11.4	5.3	79.7	
	7:20	5/18/2015	7.0	15.6	3.0	74.4	
	7:20	6/1/2015	6.0	15.4	2.9	75.7	
	7:27	6/15/2015	9.5	17.6	1.9	71.0	
	7:30	6/29/2015	12.0	19.0	2.0	67.0	
	7:21	7/14/2015	9.5	18.0	2.5	70.0	
	7:16	7/27/2015	4.6	15.6	3.4	76.4	
	7:22	8/10/2015	5.5	15.4	2.9	76.2	
	7:20	8/24/2015	5.0	15.6	3.4	76.0	
	7:35	9/8/2015	11.5	20.4	1.2	66.9	
	7:45	9/21/2015	2.8	12.4	6.5	78.4	
	7:25	10/5/2015	8.5	19.6	1.3	70.6	
	7:30	10/19/2015	12.0	19.2	1.7	67.1	
	7:45	11/2/2015	3.3	12.2	6.6	78.0	
	7:25	11/16/2015	8.5	18.2	1.1	72.2	
	10:55	11/30/2015	7.0	15.0	5.6	72.4	
	7:16	12/15/2015	5.5	14.2	3.7	76.6	
	7:30	12/28/2015	11.0	18.6	1.3	69.1	
	8:11	1/9/2016	8.0	15.0	3.6	73.4	
	7:45	1/25/2016	20.0	20.6	1.3	58.1	
	7:45	2/8/2016	14.5	17.2	2.3	66.0	
	8:27	2/22/2016	12.0	15.8	1.7	70.5	
	7:42	3/7/2016	19.5	16.6	1.9	62.0	
	8:25	3/21/2016	16.5	18.8	1.4	63.3	
	7:45	4/4/2016	1.5	10.4	8.8	79.4	
	8:00	4/18/2016	8.5	15.2	3.1	73.2	

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Active Extraction Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GV-6	9:35	5/3/2016	19.5	18.8	2.0	59.7	
	7:45	5/16/2016	20.0	19.4	2.0	58.6	
	7:40	6/2/2016	10.5	16.8	3.2	69.5	
	7:45	6/14/2016	16.5	19.4	2.3	61.8	
	7:40	6/27/2016	7.5	15.2	3.9	73.4	
	10:15	7/14/2016	9.5	17.4	3.8	69.3	
	7:50	7/25/2016	4.3	13.2	6.9	75.6	
	7:40	8/8/2016	5.5	13.8	6.9	73.8	
	7:25	8/25/2016	4.7	13.0	7.4	75.0	
	7:25	9/6/2016	4.9	12.2	8.2	74.8	
	9:55	10/3/2016	5.0	13.2	7.3	74.5	
	8:06	10/19/2016	2.2	9.8	10.1	78.0	
	8:38	10/31/2016	5.5	13.0	7.8	73.7	
	8:07	11/14/2016	6.5	14.6	5.8	73.1	
	9:01	11/28/2016	15.5	18.8	2.2	63.5	
	9:10	12/9/2016	4.5	13.4	6.7	75.4	
	7:50	12/22/2016	7.5	15.4	3.5	73.6	
	7:50	1/4/2017	13.0	16.4	2.9	67.7	
	7:20	1/13/2017	12.1	14.8	3.3	69.8	
	7:16	1/27/2017	24.5	19.6	1.8	54.1	
	7:47	2/13/2017	14.5	14.8	2.5	68.2	
	7:50	2/27/2017	17.0	15.8	3.3	63.9	
	8:15	3/13/2017	36.5	20.8	0.6	42.1	
	7:18	3/28/2017	24.0	17.6	2.8	55.6	
	8:00	4/12/2017	17.5	17.4	2.8	62.3	
	7:40	4/18/2017	25.0	19.4	2.3	53.3	
	7:09	4/25/2017	35.5	21.6	2.0	40.9	
	7:12	5/8/2017	17.5	19.0	2.7	60.8	
	7:22	5/22/2017	17.5	19.2	2.3	61.0	
	7:40	6/5/2017	11.0	17.6	3.2	68.2	
	7:28	6/19/2017	4.8	14.0	5.8	75.5	
	8:24	7/4/2017	6.5	14.8	6.3	72.4	
	7:46	7/18/2017	7.5	16.6	4.4	71.5	
	7:50	8/1/2017	10.0	18.0	4.0	68.0	
	7:56	8/14/2017	16.0	21.0	2.8	60.2	
	8:10	8/29/2017	10.0	17.6	4.7	67.7	
	7:58	9/12/2017	17.0	20.8	3.9	58.3	
	8:09	9/25/2017	9.5	16.2	5.7	68.6	
	8:12	10/10/2017	3.4	11.0	9.9	75.7	
	7:52	10/23/2017	13.5	16.4	6.4	63.7	
	7:59	11/6/2017	2.6	10.0	9.1	78.3	
	8:06	11/17/2017	18.0	20.8	2.3	58.9	
	8:03	12/1/2017	5.0	10.6	9.2	75.2	
	8:13	12/18/2017	10.0	14.0	6.1	69.9	
	8:49	1/3/2018	9.5	11.8	8.0	70.7	
	7:59	1/11/2018	12.0	14.0	6.7	67.3	
	7:57	1/26/2018	5.0	8.6	11.7	74.7	
	8:14	2/13/2018	2.1	6.8	13.3	77.8	
	7:44	2/27/2018	2.3	8.4	7.7	81.6	
	7:44	3/13/2018	1.6	6.2	12.7	79.6	
	8:06	3/28/2018	3.2	9.6	7.4	79.9	
	8:19	4/10/2018	2.1	8.0	9.6	80.4	
	7:49	4/25/2018	4.5	9.4	7.8	78.3	
	8:06	5/8/2018	3.7	10.2	7.3	78.8	
	7:53	5/21/2018	3.0	9.4	9.9	77.7	
	8:11	6/5/2018	4.3	11.8	6.9	77.1	
	7:58	6/20/2018	6.5	13.8	5.9	73.8	
	8:06	6/28/2018	5.0	13.8	5.6	75.6	
	6:00	8/2/2018	3.6	20.0	4.4	72.0	Rental meter read "over" for methane
	6:32	9/15/2018	33	25.8	3.4	37.8	
	8:35	9/26/2018	8.0	12.8	9	70.2	

Notes:
A rental landfill gas meter was used on 8/2/18, it only read "over" for all values over 33% LEL and 5% volume.
For calculation and graphical representation purposes, an average of the previous 10 methane readings is used

CH4 = Methane
CO2 = Carbon Dioxide
O2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	11:03	3/20/2006	**18.8**	8.1	0.4	72.7	pre-startup
	15:25	3/22/2006	**17.9**	8.0	0.4	73.7	
	14:10	3/23/2006	**21.4**	11.5	0.2	66.9	
	14:00	3/30/2006	0.8	2.4	15.0	81.8	
	13:45	4/6/2006	0.6	1.5	16.8	81.1	
	13:40	4/11/2006	1.2	0.8	19.3	78.7	
	11:33	4/14/2006	0.0	1.9	14.7	83.4	
	10:28	4/17/2006	3.8	4.8	16.8	74.6	
	7:15	4/28/2006	2.5	3.2	18.1	76.2	
	13:30	5/4/2006	0.0	3.4	13.9	82.7	
	10:45	5/22/2006	0.1	1.2	19.3	79.4	
	12:23	6/2/2006	0.1	3.5	12.1	84.3	
	8:02	6/9/2006	2.6	2.0	19.8	75.6	
	12:49	6/14/2006	1.1	3.9	15.4	79.6	
	11:10	6/22/2006	0.7	1.0	18.1	80.2	
	11:47	7/5/2006	0.6	2.4	14.9	82.1	
	11:15	7/10/2006	0.7	4.5	14.1	80.7	
	10:35	7/17/2006	0.8	2.9	15.8	80.5	
	13:42	7/28/2006	2.0	1.7	12.2	84.1	
	10:19	8/8/2006	4.4	8.5	12.9	74.2	
	8:20	8/16/2006	1.4	3.6	15.5	79.5	
	8:05	8/21/2006	0.5	0.6	13.0	85.9	
	13:52	8/28/2006	3.4	7.6	11.2	77.8	
	11:09	9/13/2006	4.6	0.1	12.5	82.8	
	10:28	9/25/2006	0.0	0.0	10.7	89.3	
	8:05	10/10/2006	0.7	2.3	17.6	79.4	
	8:07	10/23/2006	0.7	2.7	19.0	77.6	
	14:35	11/2/2006	0.3	2.6	17.6	79.5	
	13:35	11/14/2006	0.2	2.6	15.9	81.3	
	11:08	11/27/2006	0.2	0.4	19.3	80.2	
	12:20	12/26/2006	0.1	3.6	12.3	84.1	
	13:13	1/27/2007	0.5	2.8	14.6	82.2	
	10:50	2/24/2007	0.4	0.0	20.4	79.3	
	17:29	3/28/2007	0.3	2.4	14.6	82.8	
	10:25	5/1/2007	0.2	2.2	12.6	85.1	
	10:27	5/1/2007	0.1	1.2	16.1	82.6	
	12:00	5/30/2007	2.0	7.2	7.1	83.7	
	16:35	6/6/2007	**11.0**	10.6	0.8	77.6	
	14:48	6/7/2007	**6.0**	7.6	5.7	80.7	
	16:59	6/12/2007	1.1	6.0	9.4	83.5	
	14:25	6/14/2007	**7.0**	10.4	2.1	80.5	
	14:15	6/19/2007	3.5	6.6	9.7	80.3	
	14:10	6/21/2007	0.4	6.0	10.1	83.5	
	14:00	7/11/2007	4.0	8.4	8.3	79.3	
	14:35	7/23/2007	**8.5**	13.8	2.0	75.7	
	14:25	8/8/2007	**9.5**	14.8	2.4	73.3	
	11:45	8/13/2007	**6.5**	12.4	5.6	75.5	
	13:30	8/20/2007	**5.5**	10.8	9.2	74.5	
	13:55	8/28/2007	**12.0**	15.8	2.2	70.0	
	15:40	8/31/2007	**9.5**	14.0	4.2	72.3	
	14:35	9/4/2007	**8.0**	13.6	4.4	74.0	
	13:05	9/17/2007	0.2	6.0	12.0	81.8	
	9:25	9/29/2007	0.2	4.6	13.9	81.4	
	8:25	10/4/2007	0.4	2.8	17.1	79.7	
	9:25	10/7/2007	0.6	3.4	15.3	80.7	
	10:15	10/18/2007	**6.5**	12.2	4.2	77.1	
	8:45	10/25/2007	0.1	3.6	15.5	80.8	
	9:00	11/1/2007	0.1	5.4	13.8	80.7	
	9:40	11/13/2007	0.2	3.8	13.7	82.4	
	11:10	11/26/2007	0.3	1.2	19.3	79.3	
	10:40	12/10/2007	0.4	1.2	19.4	79.0	
	11:25	12/26/2007	0.3	1.4	18.6	79.8	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	13:00	1/23/2008	0.3	2.8	13.9	83.0	
	9:55	1/9/2008	0.4	1.0	17.7	81.0	
	13:00	1/23/2008	0.3	2.8	13.9	83.0	
	9:00	2/4/2008	0.1	2.2	14.6	83.1	
	7:30	2/18/2008	0.2	2.0	14.8	83.0	
	7:10	3/4/2008	0.1	1.2	19.1	79.6	
	8:05	3/18/2008	0.1	0.4	19.5	80.0	
	14:00	5/12/2008	0.0	4.8	3.5	91.7	
	8:55	5/19/2008	0.1	5.8	4.5	89.7	
	13:30	5/30/2008	**7.0**	7.8	0.8	84.4	
	8:55	6/12/2008	0.0	2.2	17.0	80.8	
	8:55	6/25/2008	**10.5**	10.0	0.0	79.5	
	10:55	7/7/2008	**8.5**	11.0	0.0	80.5	opened GV-6 to 200 ft/min
	11:50	7/21/2008	**13.5**	11.8	0.0	74.7	
	9:37	8/5/2008	**26.5**	13.4	0.0	60.1	
	10:40	8/5/2008	**18.0**	11.6	2.1	68.3	vent for 1 hour with cap off
	8:55	8/13/2008	**22.5**	14.4	0.0	63.1	increase to 12 on 12 off
	9:55	8/13/2008	**17.5**	11.4	3.1	68.0	vent for 1 hour with cap off
	8:35	8/19/2008	**7.0**	12.6	3.4	77.0	
	10:00	8/19/2008	**6.0**	14.0	1.3	78.7	vent for 1 hour with cap off
	11:58	10/3/2008	4.2	7.0	11.6	77.3	
	11:12	10/13/2008	1.8	4.4	14.2	79.6	
	9:00	10/28/2008	0.0	4.6	13.6	81.8	
	7:20	11/6/2008	0.4	3.4	15.1	81.1	
	10:15	12/8/2008	0.1	2.6	16.0	81.3	
	10:00	12/24/2008	0.0	2.2	15.7	82.1	
	11:30	1/8/2009	0.1	3.4	16.8	79.8	
	11:05	1/18/2009	0.1	3.6	16.1	80.2	
	7:20	1/27/2009	0.2	1.2	20.9	77.7	
	8:20	2/6/2009	0.1	0.6	19.8	79.5	
	10:30	2/23/2009	0.0	2.2	18.5	79.3	
	10:00	3/9/2009	0.0	1.8	17.9	80.3	
	10:00	3/20/2009	0.1	1.0	19.6	79.4	
	9:35	4/9/2009	0.0	2.8	8.7	88.5	
	10:20	4/19/2009	0.0	3.6	5.2	91.2	
	8:20	5/4/2009	0.0	3.8	1.8	94.4	
	8:25	5/18/2009	0.0	5.0	5.8	89.2	
	10:00	6/1/2009	0.0	6.6	6.1	87.3	
	8:40	6/14/2009	0.4	5.2	8.3	86.1	
	8:30	7/2/2009	0.0	3.2	15.1	81.7	
	7:20	7/13/2009	1.0	7.4	8.9	82.8	
	8:40	7/13/2009	0.0	0.8	18.9	80.3	vent for 1 hour with cap off
	7:20	7/22/2009	0.1	5.8	11.3	82.9	
	8:35	8/11/2009	0.0	3.4	14.7	81.9	
	8:30	8/24/2009	0.0	3.6	14.7	81.7	
	9:05	9/8/2009	2.0	7.8	9.4	80.8	
	9:05	9/21/2009	1.8	6.0	12.1	80.1	
	10:05	10/5/2009	0.0	5.8	12.9	81.3	
	10:30	10/28/2009	0.0	3.8	14.2	82.0	
	10:35	11/16/2009	0.0	2.4	16.5	81.1	
	9:05	12/18/2009	0.0	3.2	14.4	82.4	
	8:40	12/28/2009	0.0	1.0	18.4	80.6	
	8:45	1/11/2010	0.0	3.2	14.1	82.7	
	8:50	1/26/2010	0.3	4.0	9.1	86.7	
	10:32	2/25/2010	0.2	4.2	7.3	88.4	
	9:35	3/8/2010	0.0	5.4	1.0	93.6	
	9:05	3/22/2010	0.0	2.6	7.2	90.2	
	9:08	4/5/2010	0.0	3.8	14.6	81.6	
	9:05	4/19/2010	0.0	4.2	7.0	88.8	
	9:05	5/3/2010	0.0	1.2	17.6	81.2	
	9:35	5/17/2010	0.2	3.4	11.8	84.6	
	13:00	5/25/2010	0.0	4.8	10.7	84.5	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	9:05	6/24/2010	0.1	7.8	8.0	84.2	
	10:05	7/6/2010	0.0	8.8	3.0	88.2	
	8:38	7/19/2010	0.6	6.4	7.8	85.3	
	8:45	8/2/2010	2.6	9.4	3.9	84.1	
	9:35	8/16/2010	3.1	12.6	1.0	83.4	
	8:40	8/30/2010	2.2	9.0	6.6	82.3	
	8:50	9/13/2010	**5.5**	12.4	1.5	80.6	
	10:40	9/28/2010	3.7	11.2	1.9	83.2	
	6:50	10/12/2010	**14.0**	15.0	0.0	71.0	
	9:05	10/25/2010	**16.5**	16.0	0.0	67.5	
	9:20	11/2/2010	0.0	5.4	9.3	85.3	
	8:35	11/15/2010	4.4	9.0	3.8	82.8	
	9:30	12/10/2010	0.0	11.2	0.1	88.7	
	8:35	12/23/2010	0.0	1.2	17.9	80.9	
	9:05	1/10/2011	0.0	2.8	14.4	82.8	
	8:15	1/25/2011	0.2	5.0	8.1	86.7	
	11:35	2/11/2011	0.1	4.0	9.4	86.6	
	9:20	2/22/2011	0.2	1.0	18.1	80.8	
	8:55	3/7/2011	0.1	1.4	13.1	85.4	
	11:30	3/24/2011	0.3	0.2	20.9	78.6	
	8:35	4/6/2011	0.1	0.2	20.1	79.6	
	10:30	4/25/2011	0.1	0.2	20.7	79.0	
	8:35	5/9/2011	0.1	3.2	11.2	85.6	
	8:50	5/23/2011	0.0	5.4	3.8	90.8	
	10:35	6/6/2011	**6.4**	7.0	4.4	82.2	
	8:50	6/15/2011	**15.5**	9.6	0.3	74.6	
	9:00	7/5/2011	**15.0**	6.6	8.7	69.7	
	6:38	7/13/2011	**12.0**	13.0	0.4	74.6	
	8:00	7/26/2011	**13.0**	12.0	0.5	74.5	
	8:05	8/8/2011	**12.5**	12.6	0.3	74.6	
	7:35	8/23/2011	**25.0**	16.0	0.3	58.7	
	15:30	9/9/2011	**26.0**	18.2	0.2	55.6	
	15:58	9/15/2011	**11.5**	15.8	3.1	69.6	
	8:20	9/21/2011	**18.5**	18.2	0.4	62.9	
	9:25	9/21/2011	**13.5**	17.4	1.5	67.6	
	9:17	9/22/2011	**6.0**	10.8	8.1	75.1	
	10:04	9/22/2011	**7.0**	17.0	1.7	74.3	
	10:50	9/22/2011	3.8	9.6	10.2	76.5	
	10:35	10/3/2011	4.7	9.0	9.1	77.2	
	13:40	10/24/2011	1.9	15.0	2.2	80.9	
	10:45	10/26/2011	1.5	6.0	13.5	79.0	
	10:30	11/7/2011	0.3	4.0	14.8	81.0	
	9:08	11/14/2011	4.7	7.6	1.9	85.8	
	9:05	12/12/2011	0.1	1.6	15.3	83.1	
	10:05	12/27/2011	3.6	4.4	1.5	90.5	
	8:30	1/10/2012	4.6	4.4	0.1	91.0	
	10:15	1/25/2012	0.1	4.6	4.9	90.4	
	9:00	2/20/2012	**5.5**	3.6	3.1	87.8	
	8:40	3/8/2012	1.6	0.6	17.2	80.7	
	10:10	4/2/2012	0.1	1.2	18.4	80.3	
	8:50	4/16/2012	0.0	0.4	19.7	79.9	
	9:04	4/30/2012	0.4	5.6	1.4	92.7	
	9:05	5/14/2012	0.0	6.0	3.2	90.8	
	8:55	5/29/2012	2.1	10.4	1.1	86.5	
	7:35	6/11/2012	0.4	8.4	6.8	84.4	
	9:23	6/25/2012	4.6	10.4	4.2	80.8	
	8:50	7/9/2012	**10.0**	14.0	0.8	75.2	
	8:15	7/23/2012	2.6	9.2	7.8	80.5	
	10:15	7/25/2012	2.1	6.8	10.4	80.8	
	8:45	8/6/2012	3.3	10.4	7.3	79.0	
	9:05	8/21/2012	0.6	6.2	11.5	81.8	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	9:04	9/4/2012	3.3	9.2	8.4	79.1	
	8:45	10/1/2012	0.0	3.8	13.9	82.3	
	8:21	10/15/2012	0.0	3.8	14.0	82.2	
	7:20	12/6/2012	0.0	6.0	13.8	80.2	
	8:50	12/17/2012	0.0	3.2	14.4	82.4	
	8:35	12/31/2012	0.0	3.2	16.0	80.8	
	8:30	1/9/2013	0.0	6.2	12.2	81.6	
	10:15	1/15/2013	0.0	3.8	15.7	80.5	
	8:50	1/28/2013	0.0	3.4	14.7	81.9	
	10:35	2/11/2013	0.0	1.6	16.2	82.2	
	9:05	2/25/2013	0.0	1.4	17.7	80.9	
	7:18	3/8/2013	0.0	0.6	19.0	80.4	
	8:35	3/22/2013	0.0	1.4	17.8	80.8	
	13:35	4/8/2013	0.0	0.2	20.9	78.9	
	15:05	4/22/2013	0.0	0.0	20.0	80.0	
	9:30	4/29/2013	0.0	0.2	20.9	78.9	
	8:20	5/13/2013	0.0	1.2	18.8	80.0	
	13:05	5/28/2013	0.0	2.0	17.9	80.1	
	8:35	6/7/2013	0.0	4.8	11.7	83.5	
	8:05	6/21/2013	0.0	6.0	10.7	83.3	
	8:35	7/5/2013	0.0	3.4	9.2	87.4	
	7:40	7/22/2013	0.1	5.8	11.7	82.5	
	8:45	8/5/2013	2.9	8.6	8.0	80.5	
	8:05	8/19/2013	1.5	2.8	17.1	78.6	
	8:20	9/15/2013	0.7	5.4	13.3	80.7	
	8:35	9/16/2013	0.5	4.4	14.6	80.5	
	7:20	9/30/2013	0.6	6.8	11.0	81.6	
	8:05	10/14/2013	1.0	4.2	15.2	79.6	
	7:20	10/28/2013	0.0	3.2	16.1	80.7	
	7:48	11/19/2013	0.0	4.2	15.2	80.6	
	7:20	12/2/2013	0.0	5.0	12.2	82.8	
	7:02	12/16/2013	0.0	5.4	12.7	81.9	
	7:00	12/27/2013	0.0	4.6	14.0	81.4	
	7:01	1/13/2014	0.0	1.2	17.6	81.2	
	7:05	1/30/2014	0.0	0.0	20.9	79.1	
	7:18	2/12/2014	0.0	0.0	20.9	79.1	
	7:35	2/24/2014	0.0	3.6	16.4	80.0	
	8:05	3/10/2014	0.0	2.8	15.6	81.6	
	8:02	3/24/2014	0.0	2.8	7.4	89.8	
	7:17	4/7/2014	0.0	0.2	19.3	80.5	
	7:40	4/22/2014	0.0	0.0	20.9	79.1	
	7:25	5/7/2014	0.0	0.8	18.9	80.3	
	7:35	5/19/2014	0.0	3.0	14.3	82.7	
	7:03	5/30/2014	0.0	4.6	12.1	83.3	
	7:20	6/16/2014	0.0	4.6	11.4	84.0	
	7:35	6/30/2014	0.2	8.4	4.7	86.7	
	7:45	7/14/2014	0.1	0.6	20.9	78.5	
	7:42	7/28/2014	0.0	5.6	13.1	81.3	
	8:10	8/11/2014	4.1	10.2	5.6	80.2	
	8:30	8/12/2014	5.0	11.2	5.3	78.5	
	7:12	8/25/2014	2.3	8.0	8.1	81.6	
	7:35	9/8/2014	0.1	6.2	11.4	82.3	
	7:18	9/22/2014	0.0	4.2	15.8	80.0	
	7:33	10/7/2014	0.0	3.4	16.0	80.6	
	7:32	10/20/2014	0.5	6.0	10.6	83.0	
	7:18	11/3/2014	0.0	8.2	8.0	83.8	
	7:15	11/17/2014	0.0	11.2	2.2	86.6	
	7:18	12/2/2014	0.0	6.8	8.5	84.7	
	7:05	12/15/2014	0.0	3.0	14.4	82.6	Blower Off
	7:08	12/18/2014	1.8	7.4	1.2	89.6	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	7:12	1/2/2015	0.1	1.2	19.2	79.5	
	7:08	1/16/2015	0.0	4.2	9.0	86.8	
	7:18	1/26/2015	0.0	4.0	9.8	86.2	
	7:18	2/9/2015	0.0	3.2	12.9	83.9	
	7:40	2/24/2015	0.0	6.8	5.9	87.3	
	8:10	3/9/2015	0.0	3.0	15.1	81.9	
	7:10	3/23/2015	0.0	2.6	15.5	81.9	
	7:18	4/6/2015	0.0	3.0	15.5	81.5	
	9:05	4/22/2015	0.0	0.0	20.9	79.1	
	7:05	5/4/2015	0.0	0.0	20.9	79.1	
	7:15	5/18/2015	0.0	5.6	9.7	84.7	
	7:04	6/1/2015	0.0	0.8	20.1	79.1	
	7:15	6/15/2015	0.0	1.4	18.4	80.2	
	7:18	6/29/2015	0.0	6.6	9.6	83.8	
	7:12	7/14/2015	0.0	1.0	19.6	79.4	
	7:08	7/27/2015	0.1	6.2	10.6	83.1	
	7:15	8/10/2015	7.0	12.2	2.3	78.5	
	7:12	8/24/2015	0.0	10.8	7.5	81.7	
	7:20	9/8/2015	0.6	6.8	9.9	82.7	
	7:35	9/21/2015	0.3	6.6	11.0	82.1	
	7:13	10/5/2015	3.6	10.4	6.1	79.9	
	7:18	10/19/2015	0.0	8.4	10.1	81.5	
	7:35	11/2/2015	0.0	4.8	14.1	81.1	
	7:17	11/16/2015	0.0	2.8	17.2	80.0	
	10:48	11/30/2015	0.0	1.0	20.5	78.5	
	7:08	12/15/2015	0.0	0.0	20.9	79.1	
	7:10	12/28/2015	0.0	0.0	20.9	79.1	
	8:02	1/9/2016	0.0	0.0	20.8	79.2	
	7:33	1/25/2016	0.0	0.0	20.9	79.1	
	7:30	2/8/2016	0.0	0.8	18.7	80.5	
	7:18	2/22/2016	0.05	0.6	19.0	80.4	
	7:32	3/7/2016	0.0	0.0	20.9	79.1	
	8:15	3/21/2016	0.0	0.0	20.9	79.1	
	7:34	4/4/2016	0.0	0.0	20.9	79.1	
	7:40	4/18/2016	0.0	0.0	20.9	79.1	
	8:47	5/3/2016	0.0	5.0	7.1	87.9	
	7:35	5/16/2016	0.0	6.4	7.3	86.3	
	7:33	6/2/2016	0.0	7.0	7.8	85.2	
	7:35	6/14/2016	0.0	6.2	11.1	82.7	
	7:35	6/27/2016	0.0	8.4	9.8	81.8	
	10:05	7/14/2016	0.1	13.2	3.0	83.7	
	7:29	7/25/2016	0.9	7.6	8.2	83.4	
	7:32	8/8/2016	1.2	7.0	10.1	81.8	
	7:18	8/25/2016	0.0	1.0	20.4	78.6	
	7:18	9/6/2016	0.2	4.8	14.0	81.0	
	9:42	10/3/2016	1.2	7.4	8.5	82.9	
	7:48	10/19/2016	0.0	5.4	12.8	81.8	
	8:26	10/31/2016	0.1	11.2	5.0	83.8	
	7:57	11/14/2016	0.0	7.0	9.0	84.0	
	8:41	11/28/2016	0.0	7.0	7.1	85.9	
	9:00	12/9/2016	0.2	1.4	19.7	78.7	
	7:35	12/22/2016	0.0	12.0	5.2	82.8	
	7:35	1/4/2017	0.0	0.4	20.8	78.8	
	7:11	1/13/2017	0.0	0.2	20.8	79.0	
	7:04	1/27/2017	0.0	0.0	20.9	79.1	
	7:40	2/13/2017	0.0	2.6	7.4	90.0	
	7:35	2/27/2017	0.0	0.0	20.0	80.0	
	8:03	3/13/2017	0.0	0.0	20.9	79.1	
	7:04	3/28/2017	0.0	0.0	20.9	79.1	
	7:46	4/12/2017	0.0	0.0	20.9	79.1	
	6:49	4/18/2017	0.0	0.0	20.9	79.1	
	6:53	4/25/2017	0.0	0.0	20.9	79.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-1	7:03	5/8/2017	0.0	0.0	20.9	79.1	
	7:12	5/22/2017	0.0	7.0	7.2	85.8	
	7:23	6/5/2017	0.0	5.6	11.7	82.7	
	7:18	6/19/2017	0.0	0.8	20.3	78.9	
	8:21	7/4/2017	0.0	6.0	8.5	85.5	
	7:40	7/18/2017	1.6	8.8	5.4	84.2	
	7:42	8/1/2017	0.0	8.8	8.1	83.1	
	7:50	8/14/2017	0.2	11.6	6.0	82.3	
	8:01	8/29/2017	3.4	9.4	7.0	80.2	
	7:51	9/12/2017	1.4	8.6	8.3	81.7	
	8:02	9/25/2017	1.7	7.8	9.4	81.2	
	8:05	10/10/2017	0.1	4.4	14.4	81.2	
	7:43	10/23/2017	0.0	4.8	13.7	81.5	
	7:50	11/6/2017	1.0	7.2	8.3	83.6	
	8:59	11/17/2017	0.0	4.8	13.6	81.6	
	7:56	12/1/2017	0.0	4.4	14.1	81.5	
	8:06	12/18/2017	0.0	6.4	10.3	83.3	
	8:39	1/3/2018	0.0	4.2	14.1	81.7	
	7:53	1/11/2018	0.0	5.8	11.1	83.1	
	7:43	1/26/2018	0.0	3.4	15.1	81.5	
	7:58	2/13/2018	0.0	2.2	17.9	79.9	
	7:36	2/27/2018	0.0	1.8	18.5	79.7	
	7:34	3/13/2018	0.0	1.2	18.6	80.2	
	7:58	3/28/2018	0.0	3.6	14.3	82.1	
	8:13	4/10/2018	0.0	4.4	15.0	80.6	
	7:43	4/25/2018	0.0	1.2	18.7	80.1	
	7:58	5/8/2018	0.0	2.8	14.5	82.7	
	7:46	5/21/2018	0.0	5.4	7.5	87.1	
	8:03	6/5/2018	0.0	3.8	15.5	80.7	
	7:40	6/20/2018	0.0	5.0	14.1	80.9	
	8:00	6/28/2018	0.1	6.0	9.3	84.7	
	5:51	8/2/2018	1.1	6.2	11.7	81.1	
	6:02	9/15/2018	0.0	5.2	9.8	85.0	
	8:20	9/26/2018	0.5	9.2	4.1	86.2	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-2	9:00	3/22/2006	**29.5**	27.8	0.5	42.2	pre-startup
	14:40	3/23/2006	**29.1**	24.5	0.8	45.6	
	14:20	3/30/2006	**11.5**	13.1	10.7	64.7	
	14:05	4/6/2006	**10.3**	12.6	10.2	66.9	
	14:15	4/11/2006	**5.4**	5.7	15.3	73.6	
	11:56	4/14/2006	**6.8**	12.1	8.7	72.4	
	11:00	4/17/2006	0.0	0.0	20.7	79.3	
	9:55	4/28/2006	0.0	0.1	20.7	79.2	
	14:15	5/4/2006	1.5	18.9	3.0	76.6	
	11:15	5/22/2006	0.0	0.0	20.5	79.5	
	12:49	6/2/2006	1.0	0.1	19.7	79.2	
	9:00	6/9/2006	1.9	0.5	20.4	77.2	
	13:20	6/14/2006	4.8	1.0	20.1	74.1	
	10:00	6/22/2006	0.6	0.2	20.4	78.8	
	12:34	7/5/2006	0.7	1.5	19.9	77.9	
	11:48	7/10/2006	0.7	0.8	19.6	78.9	
	11:15	7/17/2006	0.7	1.2	18.8	79.3	
	13:05	7/28/2006	0.5	0.7	19.1	79.7	
	10:50	8/8/2006	0.6	0.2	19.6	79.6	
	7:53	8/16/2006	0.1	0.0	19.9	80.0	
	7:40	8/21/2006	0.5	0.1	20.4	79.0	
	13:40	8/28/2006	0.0	0.0	20.2	79.8	
	10:50	9/13/2006	0.1	0.1	20.2	79.6	
	10:10	9/25/2006	0.6	9.5	13.7	76.2	
	7:45	10/10/2006	0.7	1.8	19.8	77.7	
	7:46	10/23/2006	0.7	3.9	18.0	77.4	
	13:24	11/2/2006	0.5	0.3	17.6	81.6	
	12:38	11/14/2006	0.1	5.2	15.7	79.1	
	10:51	11/27/2006	0.1	0.6	20.0	79.3	
	13:55	12/26/2006	0.3	6.2	14.5	79.1	
	12:25	1/27/2007	0.3	1.6	19.1	79.1	
	12:15	2/24/2007	0.3	3.6	16.5	79.7	
	16:05	3/28/2007	0.2	2.4	18.0	79.5	
	11:07	5/1/2007	0.0	3.8	15.2	81.0	
	12:17	5/30/2007	0.0	1.2	18.5	80.3	
	13:20	6/19/2007	0.1	7.6	11.5	80.9	
	11:20	8/13/2007	0.0	0.4	20.5	79.1	
	10:54	10/18/2007	0.1	1.0	18.8	80.1	
	13:10	1/23/2008	0.4	1.2	20.2	78.2	
	7:45	6/12/2008	0.0	2.2	18.6	79.2	
	11:05	7/21/2008	0.0	0.6	20.4	79.0	
	12:34	10/3/2008	0.0	0.6	20.9	78.5	
	11:40	10/13/2008	0.0	0.4	20.9	78.7	
	11:15	1/27/2009	0.3	1.8	20.3	77.6	
	10:46	4/9/2009	0.0	0.0	20.1	79.9	
	10:40	7/22/2009	0.0	0.8	18.9	80.3	
	10:05	10/28/2009	0.0	2.2	18.1	79.7	
	10:15	1/26/2010	0.3	3.0	17.1	79.7	
	11:39	5/25/2010	0.0	0.0	19.1	80.9	
	10:10	9/28/2010	0.0	2.4	17.1	80.5	
	11:10	1/25/2011	0.2	0.4	20.0	79.4	
	7:45	4/25/2011	0.2	3.0	17.4	79.4	
	7:37	7/13/2011	0.0	0.8	19.9	79.3	
	7:45	10/26/2011	0.0	1.0	20.0	79.0	
	9:26	1/25/2012	0.1	3.6	17.0	79.4	
	9:35	4/2/2012	0.1	0.4	20.9	78.7	
	11:00	7/25/2012	0.0	3.4	16.3	80.3	
	11:30	10/15/2012	0.0	1.8	17.7	80.5	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-2	10:10	1/15/2013	0.0	3.2	17.5	79.3	
	7:45	4/29/2013	0.0	1.0	20.4	78.6	
	9:35	7/22/2013	0.0	2.4	18.0	79.6	
	9:05	10/14/2013	0.0	3.2	18.6	78.2	
	11:39	4/22/2014	0.0	3.6	15.8	80.6	
	8:00	4/22/2015	0.0	2.6	17.7	79.7	
	9:02	4/18/2016	0.0	0.8	20.2	79.0	
	9:05	4/12/2017	0.0	1.4	19.0	79.6	
	9:00	6/20/2018	0.0	3.0	17.0	80.0	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-3	7:49	3/22/2006	1.4	1.9	19.9	76.8	pre-startup
	12:57	3/23/2006	0.6	1.2	19.3	78.9	
	15:20	3/23/2006	2.2	4.5	16.4	76.9	
	14:35	3/30/2006	2.1	7.6	11.5	78.8	
	14:30	4/6/2006	1.6	11.8	7.2	79.4	
	14:40	4/11/2006	0.4	4.0	15.6	80.0	
	12:11	4/14/2006	0.0	1.5	18.1	80.4	
	11:20	4/17/2006	1.4	0.2	20.7	77.7	
	10:50	4/28/2006	0.4	0.1	20.7	78.8	
	15:00	5/4/2006	0.0	0.0	20.4	79.6	
	11:38	5/22/2006	0.2	0.0	2.5	97.3	
	13:18	6/2/2006	0.2	0.0	20.2	79.6	
	9:09	6/9/2006	0.8	0.1	20.5	78.6	
	13:45	6/14/2006	1.1	0.1	20.4	78.4	
	11:25	6/22/2006	0.7	0.0	20.1	79.2	
	11:19	7/5/2006	0.6	0.0	20.0	79.4	
	10:37	7/10/2006	0.6	0.0	19.6	79.8	
	0:57	7/17/2006	0.1	0.0	19.0	80.9	
	12:25	7/28/2006	0.6	0.0	19.7	79.7	
	11:32	8/8/2006	0.6	0.0	19.6	79.8	
	7:35	8/16/2006	0.5	0.0	20.0	79.5	
	7:24	8/21/2006	0.0	0.0	20.3	79.7	
	13:26	8/28/2006	0.1	0.0	19.9	80.0	
	10:31	9/13/2006	0.0	0.3	20.3	79.4	
	9:56	9/25/2006	0.6	3.0	17.6	78.8	
	7:20	10/10/2006	0.5	0.9	19.8	78.8	
	7:36	10/23/2006	0.1	0.0	20.6	79.3	
	13:10	11/2/2006	0.5	0.4	20.8	78.3	
	13:00	11/14/2006	0.1	4.2	16.1	79.6	
	10:39	11/27/2006	0.1	0.4	19.4	80.2	
	13:58	12/26/2006	0.3	0.2	20.0	79.6	
	12:00	1/27/2007	0.1	0.0	19.6	80.4	
	12:30	2/24/2007	0.3	4.6	14.7	80.4	
	15:32	3/28/2007	0.1	0.0	19.9	80.0	
	10:57	5/1/2007	0.1	2.6	16.5	80.8	
	12:33	5/30/2007	0.0	0.4	18.9	80.7	
	13:30	6/19/2007	0.0	0.0	20.9	79.1	
	11:00	8/13/2007	0.0	0.0	20.9	79.1	
	10:00	10/18/2007	0.1	4.0	15.7	80.2	
	13:55	1/23/2008	0.4	0.8	20.6	78.3	
	7:05	6/12/2008	0.0	0.0	20.9	79.1	
	10:30	7/21/2008	0.0	0.0	20.9	79.1	
	12:16	10/3/2008	0.0	0.0	20.9	79.1	
	10:00	10/13/2008	0.0	0.0	20.9	79.1	
	7:50	1/27/2009	0.2	3.6	17.4	78.8	
	11:10	4/9/2009	0.0	0.0	20.2	79.8	
	8:40	7/22/2009	0.0	0.4	19.1	80.5	
	9:24	10/28/2009	0.0	0.2	19.5	80.3	
	8:09	1/26/2010	0.2	0.0	20.4	79.4	
	9:15	5/25/2010	0.0	0.0	19.1	80.9	
	8:50	9/28/2010	0.0	1.8	17.2	81.0	
	8:45	1/25/2011	0.2	0.2	19.8	79.8	
	8:25	4/25/2011	0.2	4.6	14.9	80.3	
	8:15	7/13/2011	0.0	0.0	20.1	79.9	
	11:12	10/26/2011	0.0	0.2	20.4	79.4	
	11:30	1/25/2012	0.1	4.2	15.4	80.3	
	8:50	4/2/2012	0.0	0.0	20.9	79.1	
	8:27	7/25/2012	0.0	2.4	15.4	82.2	
	10:59	10/15/2012	0.0	0.0	19.0	81.0	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-3	11:00	1/15/2013	0.0	3.8	15.3	80.9	
	13:00	4/29/2013	0.0	1.2	19.3	79.5	
	9:12	7/22/2013	0.0	2.0	18.3	79.7	
	9:15	10/14/2013	0.0	0.6	20.3	79.1	
	12:11	4/22/2014	0.0	0.0	20.9	79.1	
	11:40	4/22/2015	0.0	0.0	20.9	79.1	
	9:25	4/18/2016	0.0	1.0	20.1	78.9	
	9:21	4/12/2017	0.0	0.0	20.9	79.1	
	7:50	4/18/2017	0.0	3.6	15.0	81.4	
	8:05	6/20/2018	0.0	1.4	19.4	79.2	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-4	9:11	3/22/2006	0.0	1.4	20.4	78.2	pre-startup
	15:35	3/23/2006	0.0	0.8	19.8	79.4	
	15:40	3/30/2006	0.5	0.8	21.8	76.9	
	14:40	4/6/2006	0.8	1.3	18.9	79.0	
	14:35	4/11/2006	0.2	0.9	19.2	79.7	
	12:18	4/14/2006	0.0	1.3	18.1	80.6	
	11:35	4/17/2006	1.3	0.8	20.4	77.5	
	10:40	4/28/2006	0.0	0.5	20.2	79.3	
	15:10	5/4/2006	1.3	0.6	13.2	84.9	
	11:50	5/22/2006	0.1	0.2	20.4	79.3	
	13:10	6/2/2006	0.2	0.8	19.1	79.9	
	9:12	6/9/2006	3.4	1.2	20.2	75.2	
	14:00	6/14/2006	0.0	0.0	19.9	80.1	
	10:39	6/22/2006	**6.0**	18.8	6.4	68.8	
	11:26	7/5/2006	0.6	0.6	20.0	78.8	
	10:43	7/10/2006	0.4	3.8	19.9	75.9	
	10:08	7/17/2006	0.9	0.6	19.6	78.9	
	12:34	7/28/2006	0.6	0.4	19.6	79.4	
	9:21	8/8/2006	0.6	0.3	19.7	79.4	
	7:42	8/16/2006	0.5	0.7	19.9	78.9	
	7:28	8/21/2006	0.4	0.5	20.0	79.1	
	13:31	8/28/2006	0.5	0.5	20.1	78.9	
	10:35	9/13/2006	0.7	0.6	20.2	78.5	
	9:59	9/25/2006	0.1	0.2	19.1	80.6	
	7:24	10/10/2006	0.6	0.5	20.3	78.6	
	7:40	10/23/2006	0.4	0.0	20.4	79.2	
	13:17	11/2/2006	0.5	0.2	21.0	78.3	
	13:11	11/14/2006	0.2	1.4	19.0	79.5	
	10:42	11/27/2006	0.1	0.6	19.7	79.7	
	14:04	12/26/2006	0.3	0.8	19.6	79.4	
	12:09	1/27/2007	0.1	0.4	19.6	79.9	
	12:38	2/24/2007	0.4	1.0	19.4	79.3	
	15:40	3/28/2007	0.1	0.2	19.8	79.9	
	10:50	5/1/2007	0.0	1.2	18.2	80.6	
	12:37	5/30/2007	0.0	1.8	17.5	80.7	
	13:40	6/19/2007	0.0	0.8	20.0	79.2	
	11:05	8/13/2007	0.0	0.6	20.6	78.8	
	10:10	10/18/2007	0.1	1.2	17.9	80.8	
	13:25	1/23/2008	0.3	0.4	20.9	78.4	
	7:25	6/12/2008	0.0	0.2	20.9	78.9	
	10:45	7/21/2008	0.0	1.2	19.2	79.6	
	11:18	10/3/2008	0.0	0.0	20.9	79.1	
	10:05	10/13/2008	0.0	1.2	19.7	79.1	
	7:05	1/27/2009	0.1	1.4	20.1	78.5	
	11:15	4/9/2009	0.0	0.6	19.4	80.0	
	10:37	7/22/2009	0.0	0.6	18.9	80.5	
	9:33	10/28/2009	0.0	0.6	19.3	80.1	
	8:14	1/26/2010	0.3	0.2	20.5	79.1	
	8:11	5/25/2010	0.1	0.8	18.5	80.7	
	9:05	9/28/2010	0.0	2.2	16.6	81.2	
	7:20	1/25/2011	0.0	0.0	19.6	80.4	
	7:30	4/25/2011	0.2	1.6	18.9	79.3	
	7:18	7/13/2011	0.0	1.0	19.4	79.6	
	11:15	10/26/2011	0.0	0.8	20.4	78.8	
	7:17	1/25/2012	0.1	1.0	19.1	79.8	
	9:15	4/2/2012	0.1	0.0	20.9	79.0	
	7:51	7/25/2012	0.0	1.2	18.2	80.6	
	11:08	10/15/2012	0.0	0.6	18.7	80.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-4	11:10	1/15/2013	0.0	2.4	18.4	79.2	
	8:06	4/29/2013	0.0	2.2	18.7	79.1	
	9:20	7/22/2013	0.0	2.2	17.6	80.2	
	9:25	10/14/2013	0.0	1.2	20.9	77.9	
	12:20	4/22/2014	0.0	1.8	17.9	80.3	
	7:45	4/22/2015	0.0	1.2	20.3	78.5	
	9:35	4/18/2016	0.05	1.4	19.3	79.3	
	9:27	4/12/2017	0.0	0.6	20.1	79.3	
	8:13	6/20/2018	0.0	1.8	19.2	79.0	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-5	9:13	3/22/2006	0.0	4.4	17.6	78.0	pre-startup
	14:15	3/23/2006	0.0	4.2	17.6	78.2	
	14:05	3/30/2006	1.2	2.5	18.8	77.5	
	13:40	4/6/2006	1.1	3.0	17.9	78.0	
	13:45	4/11/2006	0.7	2.7	17.5	79.1	
	12:50	4/14/2006	0.1	3.5	15.4	81.0	
	10:30	4/17/2006	0.0	3.6	16.2	80.2	
	10:35	4/28/2006	2.2	7.0	13.0	77.8	
	10:40	5/22/2006	1.5	8.5	11.2	78.8	
	12:25	6/2/2006	0.1	7.2	9.4	83.3	
	8:45	6/9/2006	0.1	0.3	10.5	89.1	
	12:18	6/14/2006	0.1	0.0	9.1	90.8	
	11:18	6/22/2006	0.7	10.7	10.5	78.1	
	11:51	7/5/2006	0.6	11.9	11.1	76.4	
	11:17	7/10/2006	0.7	12.0	10.1	77.2	
	10:22	7/17/2006	0.8	11.9	11.1	76.2	
	8:24	7/28/2006	0.6	10.1	11.5	77.8	
	10:16	8/8/2006	0.6	11.8	10.1	77.5	
	8:35	8/16/2006	0.8	10.0	10.5	78.7	
	8:02	8/21/2006	0.5	0.8	10.9	87.8	
	13:54	8/28/2006	0.6	11.3	13.3	74.8	
	11:07	9/13/2006	0.1	0.0	13.4	86.5	
	10:26	9/25/2006	0.0	0.0	13.4	86.6	
	8:52	10/10/2006	0.7	8.9	14.4	76.0	
	8:00	10/23/2006	0.3	1.4	15.5	82.8	
	14:37	11/2/2006	0.3	7.2	14.0	78.5	
	13:25	11/14/2006	0.2	6.0	14.9	78.9	
	11:10	11/27/2006	0.2	5.2	15.7	79.0	
	12:35	12/26/2006	0.1	4.8	15.7	79.5	
	13:09	1/27/2007	0.4	5.4	15.8	78.4	
	10:55	2/24/2007	0.4	4.2	17.3	78.2	
	17:30	3/28/2007	0.3	3.4	16.6	79.8	
	10:22	5/1/2007	0.1	3.4	14.0	82.5	
	12:40	5/30/2007	0.0	6.4	9.9	83.7	
	16:25	6/19/2007	0.0	7.4	12.1	80.5	
	11:39	8/13/2007	0.0	8.4	11.8	79.8	
	10:20	10/18/2007	0.1	9.6	9.4	80.9	
	13:12	1/23/2008	0.3	5.6	15.7	78.4	
	9:00	6/12/2008	0.0	6.0	9.7	84.3	
	12:05	7/21/2008	0.0	10.6	7.7	81.7	
	11:55	10/3/2008	0.0	8.2	12.7	79.1	
	11:08	10/13/2008	0.0	6.6	14.1	79.3	
	7:10	1/27/2009	0.2	3.2	14.0	82.7	
	11:02	4/9/2009	0.0	2.8	16.8	80.4	
	7:30	7/22/2009	0.0	7.8	13.0	79.2	
	10:20	10/28/2009	0.0	5.6	14.4	80.0	
	9:05	1/26/2010	0.3	4.8	16.2	78.8	
	8:40	5/25/2010	0.0	6.4	9.5	84.1	
	11:00	9/28/2010	0.0	8.8	11.6	79.6	
	8:04	1/25/2011	0.2	4.4	17.0	78.4	
	10:35	4/25/2011	0.2	3.0	16.0	80.8	
	6:28	7/13/2011	0.0	9.4	10.7	79.9	
	12:05	10/26/2011	0.0	6.6	15.5	77.9	
	10:25	1/25/2012	0.1	4.8	14.9	80.2	
	10:48	4/2/2012	0.1	3.8	16.3	79.8	
	10:24	7/25/2012	0.0	7.0	11.9	81.1	
	9:00	10/15/2012	0.0	4.8	15.2	80.0	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-5	11:18	1/15/2013	0.0	4.6	16.9	78.5	
	10:08	4/29/2013	0.0	2.0	16.4	81.6	
	8:15	7/22/2013	0.0	9.2	7.4	83.4	
	7:54	10/14/2013	0.0	6.8	14.9	78.3	
	7:50	4/22/2014	0.0	1.8	17.7	80.5	
	9:04	4/22/2015	0.0	2.6	17.6	79.8	
	8:30	4/18/2016	0.0	2.4	15.6	82.0	
	8:21	4/12/2017	0.0	2.6	16.5	80.9	
	8:49	6/20/2018	0.0	6.6	9.2	84.2	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-6	7:45	3/22/2006	0.0	6.1	13.9	80.0	pre-startup
	15:55	3/23/2006	0.0	4.9	16.3	78.8	
	15:15	3/30/2006	0.0	1.7	18.3	80.0	
	14:25	4/6/2006	0.0	2.8	16.9	80.3	
	14:30	4/11/2006	0.7	2.8	17.3	79.2	
	12:04	4/14/2006	0.0	3.8	14.6	81.6	
	11:15	4/17/2006	**10.4**	2.3	17.6	69.7	
	10:30	4/28/2006	0.0	2.5	18.3	79.2	
	14:30	5/4/2006	0.0	2.7	17.9	79.4	
	11:30	5/22/2006	3.8	3.9	18.1	74.2	
	13:04	6/2/2006	0.2	2.4	17.2	80.2	
	9:25	6/9/2006	0.1	0.8	17.7	81.4	
	14:10	6/14/2006	1.3	3.3	16.8	78.6	
	9:50	6/22/2006	0.5	3.1	17.3	79.1	
	11:13	7/5/2006	0.5	3.6	17.1	78.8	
	10:34	7/10/2006	0.6	3.9	16.7	78.8	
	9:58	7/17/2006	0.1	0.6	16.8	82.5	
	12:10	7/28/2006	0.6	3.6	16.5	79.3	
	9:05	8/8/2006	0.6	3.5	17.0	78.9	
	7:29	8/16/2006	0.1	0.0	17.2	82.7	
	7:18	8/21/2006	0.5	3.6	18.1	77.8	
	13:21	8/28/2006	0.0	0.0	18.1	81.9	
	10:20	9/13/2006	0.6	1.0	19.1	79.3	
	11:05	9/25/2006	0.7	2.6	18.5	78.2	
	7:30	10/10/2006	0.8	2.3	19.7	77.2	
	7:34	10/23/2006	0.9	2.4	14.4	82.3	
	13:05	11/2/2006	2.4	0.8	19.7	77.1	
	13:14	11/14/2006	0.2	3.0	17.9	78.9	
	10:35	11/27/2006	0.1	0.6	19.6	79.8	
	14:20	12/26/2006	0.3	3.0	18.0	78.7	
	13:45	1/27/2007	0.2	3.4	17.0	79.5	
	12:45	2/24/2007	0.4	3.0	18.1	78.5	
	16:00	3/28/2007	0.2	2.4	18.0	79.5	
	10:45	5/1/2007	0.1	3.0	16.4	80.5	
	12:23	5/30/2007	0.0	3.2	15.8	81.0	
	16:15	6/19/2007	0.0	2.4	17.8	79.8	
	10:54	8/13/2007	0.1	2.6	18.5	78.9	
	11:14	10/18/2007	0.1	3.4	16.4	80.1	
	11:28	1/23/2008	0.0	3.0	18.0	79.0	
	6:55	6/12/2008	0.0	2.6	17.8	79.6	
	11:00	7/21/2008	0.0	3.0	15.5	81.5	
	12:53	10/3/2008	0.0	3.8	17.7	78.5	
	9:55	10/13/2008	0.0	3.4	18.2	78.4	
	10:05	1/27/2009	0.2	3.0	18.4	78.4	
	10:58	4/9/2009	0.0	3.2	16.6	80.2	
	10:20	7/22/2009	0.0	3.6	17.1	79.3	
	9:10	10/28/2009	0.0	2.6	17.2	80.2	
	8:00	1/26/2010	0.1	3.0	17.4	79.6	
	8:18	5/25/2010	0.0	2.4	16.5	81.1	
	8:42	9/28/2010	0.0	4.2	14.6	81.2	
	11:25	1/25/2011	0.2	0.4	20.0	79.4	
	7:00	4/25/2011	0.1	3.0	17.2	79.7	
	7:32	7/13/2011	0.0	2.8	17.1	80.1	
	7:25	10/26/2011	0.0	3.0	18.3	78.7	
	7:08	1/25/2012	0.1	1.2	18.8	79.9	
	8:40	4/2/2012	0.1	0.2	20.9	78.8	
	8:01	7/25/2012	0.0	2.4	17.7	79.9	
	10:38	10/15/2012	0.0	1.8	18.1	80.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-6	8:50	1/15/2013	0.0	2.8	18.0	79.2	
	7:58	4/29/2013	0.0	2.4	17.8	79.8	
	9:46	7/22/2013	0.0	3.0	16.7	80.3	
	9:45	10/14/2013	0.0	2.4	19.6	78.0	
	10:25	4/22/2014	0.0	2.4	17.5	80.1	
	7:35	4/22/2015	0.0	2.6	18.9	78.5	
	9:50	4/18/2016	0.0	2.4	17.8	79.8	
	9:40	4/12/2017	0.0	1.8	19.3	78.9	
	9:11	6/20/2018	0.0	1.8	18.5	79.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-7	7:40	3/22/2006	1.0	7.0	13.0	79.0	pre-startup
	15:50	3/23/2006	0.1	5.0	14.7	80.2	
	15:00	3/30/2006	**7.1**	4.6	18.2	70.1	
	14:20	4/6/2006	0.1	2.3	17.0	80.6	
	14:25	4/11/2006	0.2	3.2	16.3	80.3	
	12:07	4/14/2006	0.1	5.2	11.8	82.9	
	10:15	4/17/2006	**10.5**	1.3	18.5	69.7	
	10:25	4/28/2006	0.0	1.7	19.2	79.1	
	14:25	5/4/2006	1.2	2.2	18.8	77.8	
	11:22	5/22/2006	0.0	1.0	19.5	79.5	
	13:00	6/2/2006	0.2	1.6	18.5	79.7	
	9:20	6/9/2006	3.7	2.4	20.0	73.9	
	14:05	6/14/2006	3.1	2.5	19.2	75.2	
	9:45	6/22/2006	0.5	1.7	19.1	78.7	
	11:10	7/5/2006	0.5	1.5	19.3	78.7	
	10:30	7/10/2006	0.0	0.0	18.6	81.4	
	9:55	7/17/2006	0.1	0.0	18.5	81.4	
	12:05	7/28/2006	0.0	3.7	18.5	77.8	
	9:00	8/8/2006	0.6	1.3	19.0	79.1	
	7:25	8/16/2006	0.5	1.5	19.2	78.8	
	7:16	8/21/2006	0.5	1.4	19.8	78.3	
	13:19	8/28/2006	0.4	1.2	19.5	78.9	
	10:19	9/13/2006	0.6	1.3	19.9	78.2	
	11:03	9/25/2006	1.8	2.2	17.7	78.3	
	7:28	10/10/2006	0.7	1.4	19.5	78.4	
	7:32	10/23/2006	3.0	2.8	19.0	75.2	
	13:00	11/2/2006	0.5	1.6	19.8	78.1	
	13:18	11/14/2006	0.2	3.2	17.2	79.4	
	10:30	11/27/2006	0.0	1.2	19.0	79.8	
	14:15	12/26/2006	0.3	2.6	18.0	79.1	
	13:40	1/27/2007	0.1	3.4	16.7	79.9	
	12:40	2/24/2007	0.4	3.2	17.2	79.2	
	15:55	3/28/2007	0.1	1.2	18.9	79.8	
	10:43	5/1/2007	0.1	3.6	15.1	81.2	
	12:26	5/30/2007	0.0	3.6	15.6	80.8	
	16:20	6/19/2007	0.0	2.6	17.5	79.9	
	10:50	8/13/2007	0.1	1.4	19.3	79.3	
	11:10	10/18/2007	0.1	3.6	15.5	80.8	
	11:24	1/23/2008	0.0	3.2	17.6	79.2	
	10:48	6/12/2008	0.0	1.4	18.4	80.2	
	10:55	7/21/2008	0.0	2.6	17.3	80.1	
	12:50	10/3/2008	0.0	1.8	19.6	78.6	
	9:50	10/13/2008	0.1	1.6	19.4	79.0	
	10:00	1/27/2009	0.2	3.0	18.2	78.6	
	10:58	4/9/2009	0.0	3.2	16.6	80.2	
	10:15	7/22/2009	0.0	0.4	19.1	80.5	
	9:05	10/28/2009	0.0	1.4	18.2	80.4	
	7:50	1/26/2010	0.0	0.4	20.0	79.6	
	8:14	5/25/2010	0.0	1.8	17.7	80.5	
	8:35	9/28/2010	0.0	4.0	14.3	81.7	
	11:20	1/25/2011	0.2	0.4	20.0	79.4	
	6:55	4/25/2011	0.1	3.2	16.6	80.1	
	7:29	7/13/2011	0.0	1.4	19.1	79.5	
	7:20	10/26/2011	0.0	0.6	19.9	79.5	
	7:05	1/25/2012	0.1	2.0	18.0	79.9	
	8:35	4/2/2012	0.0	2.4	18.3	79.3	
	7:59	7/25/2012	0.0	1.8	17.4	80.8	
	10:30	10/15/2012	0.0	1.6	18.0	80.4	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-7	8:37	1/15/2013	0.0	3.2	17.1	79.7	
	7:55	4/29/2013	0.0	3.2	16.2	80.6	
	9:52	7/22/2013	0.0	2.6	17.6	79.8	
	9:40	10/14/2013	0.0	1.4	20.5	78.1	
	10:21	4/22/2014	0.0	2.8	16.4	80.8	
	7:30	4/22/2015	0.0	2.0	19.0	79.0	
	9:45	4/18/2016	0.0	1.4	18.8	79.8	
	9:37	4/12/2017	0.0	0.0	20.9	79.1	
	9:08	6/20/2018	0.0	0.0	20.9	79.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-8	9:03	3/22/2006	0.0	2.4	18.6	79.0	pre-startup
	14:50	3/23/2006	0.0	1.9	18.6	79.5	
	14:55	3/30/2006	3.0	7.2	14.8	75.0	
	14:10	4/6/2006	0.0	7.0	10.9	82.1	
	14:20	4/11/2006	0.0	4.8	13.6	81.6	
	12:25	4/14/2006	0.0	5.4	12.2	82.4	
	11:10	4/17/2006	0.0	0.1	20.7	79.2	
	10:00	4/28/2006	0.0	0.2	20.4	79.4	
	14:20	5/4/2006	0.0	0.2	19.3	80.5	
	11:18	5/22/2006	0.6	0.1	20.4	78.9	
	12:55	6/2/2006	0.2	0.7	19.3	79.8	
	9:03	6/9/2006	2.4	0.6	20.3	76.7	
	13:37	6/14/2006	4.0	1.6	19.6	74.8	
	9:55	6/22/2006	0.5	0.5	19.8	79.2	
	12:27	7/5/2006	1.6	0.9	19.6	77.9	
	11:45	7/10/2006	0.7	1.2	19.2	78.9	
	11:10	7/17/2006	0.6	2.3	17.7	79.4	
	12:45	7/28/2006	0.6	0.8	19.0	79.6	
	10:58	8/8/2006	**17.8**	1.3	19.1	61.8	
	7:47	8/16/2006	0.1	0.2	19.5	80.2	
	7:33	8/21/2006	0.8	1.3	19.6	78.3	
	13:35	8/28/2006	0.0	0.0	19.1	80.9	
	10:47	9/13/2006	0.0	0.0	20.1	79.9	
	10:06	9/25/2006	0.0	0.0	17.5	82.5	
	7:26	10/10/2006	0.1	0.0	19.3	80.6	
	7:44	10/23/2006	0.7	1.4	19.6	78.3	
	13:20	11/2/2006	3.7	0.3	20.5	75.5	
	13:04	11/14/2006	0.1	4.2	15.1	80.6	
	10:45	11/27/2006	0.1	0.6	19.4	79.9	
	14:09	12/26/2006	0.3	0.8	19.2	79.7	
	12:15	1/27/2007	0.2	0.0	19.7	80.1	
	12:20	2/24/2007	0.3	5.2	12.8	81.8	
	15:47	3/28/2007	0.1	0.6	19.6	79.7	
	11:00	5/1/2007	0.0	8.5	7.6	83.9	
	12:20	5/30/2007	0.0	3.4	15.2	81.4	
	13:25	6/19/2007	0.0	0.6	20.2	79.2	
	11:10	8/13/2007	0.0	1.0	19.8	79.2	
	11:05	10/18/2007	0.1	6.0	11.5	82.4	
	11:38	1/23/2008	0.1	1.0	19.2	79.8	
	7:35	6/12/2008	0.0	0.6	20.7	78.7	
	10:50	7/21/2008	0.0	1.0	19.3	79.7	
	12:45	10/3/2008	0.0	0.4	20.9	78.7	
	10:10	10/13/2008	0.0	1.4	19.4	79.2	
	10:10	1/27/2009	0.3	1.8	19.0	78.9	
	10:51	4/9/2009	0.0	0.4	19.4	80.2	
	10:27	7/22/2009	0.0	0.8	18.8	80.4	
	10:00	10/28/2009	0.0	1.8	17.8	80.4	
	9:30	1/26/2010	0.3	0.4	20.0	79.4	
	8:25	5/25/2010	0.0	1.0	18.4	80.6	
	9:11	9/28/2010	0.0	5.4	12.7	81.9	
	11:15	1/25/2011	0.2	0.4	20.0	79.4	
	7:40	4/25/2011	0.2	4.4	14.4	81.0	
	7:23	7/13/2011	0.0	0.8	19.2	80.0	
	7:30	10/26/2011	0.0	0.8	20.4	78.8	
	7:27	1/25/2012	0.1	1.6	18.7	79.6	
	9:25	4/2/2012	0.1	1.0	20.4	78.5	
	11:07	7/25/2012	0.0	3.0	16.0	81.0	
	11:15	10/15/2012	0.0	1.0	18.3	80.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-8	8:59	1/15/2013	0.0	3.2	16.8	80.0	
	7:49	4/29/2013	0.0	3.6	15.3	81.1	
	9:30	7/22/2013	0.0	3.0	16.5	80.5	
	9:10	10/14/2013	0.0	2.2	18.4	79.4	
	12:06	4/22/2014	0.0	3.6	15.0	81.4	
	7:50	4/22/2015	0.0	3.0	17.2	79.8	
	9:20	4/18/2016	0.05	3.0	16.6	80.4	
	9:17	4/12/2017	0.0	4.0	15.9	80.1	
	8:25	6/20/2018	0.0	5.0	11.9	83.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-10	8:58	3/22/2006	0.0	4.5	15.4	80.1	pre-startup
	14:42	3/23/2006	0.0	4.3	15.5	80.2	
	14:50	3/30/2006	0.0	1.6	18.7	79.7	
	14:15	4/6/2006	0.0	2.3	17.1	80.6	
	13:55	4/11/2006	0.0	1.5	18.3	80.2	
	11:54	4/14/2006	0.0	1.9	17.4	80.7	
	10:50	4/17/2006	0.0	3.0	16.5	80.5	
	9:50	4/28/2006	0.0	3.6	15.0	81.4	
	14:00	5/4/2006	0.0	3.4	15.4	81.2	
	11:04	5/22/2006	0.0	1.3	19.0	79.7	
	12:45	6/2/2006	0.1	1.8	17.6	80.5	
	8:55	6/9/2006	0.7	0.9	19.6	78.8	
	13:15	6/14/2006	0.0	0.0	17.7	82.3	
	10:05	6/22/2006	0.6	0.8	19.9	78.7	
	12:38	7/5/2006	0.6	5.3	14.9	79.2	
	11:50	7/10/2006	0.6	5.5	14.6	79.3	
	11:19	7/17/2006	0.6	1.4	19.4	78.6	
	13:09	7/28/2006	0.6	1.0	19.2	79.2	
	11:11	8/8/2006	0.6	4.7	14.7	80.0	
	7:58	8/16/2006	0.1	0.2	16.4	83.3	
	7:44	8/21/2006	0.4	3.5	17.3	78.8	
	13:42	8/28/2006	0.0	0.0	17.7	82.3	
	10:53	9/13/2006	0.6	2.4	18.6	78.4	
	10:12	9/25/2006	0.7	5.5	16.0	77.8	
	7:48	10/10/2006	0.7	5.3	19.2	74.8	
	7:48	10/23/2006	0.6	5.0	17.5	76.9	
	13:31	11/2/2006	0.6	4.3	17.3	77.8	
	12:35	11/14/2006	0.1	4.2	16.3	79.5	
	10:55	11/27/2006	0.1	4.0	16.8	79.1	
	13:50	12/26/2006	0.3	4.2	16.7	78.9	
	12:35	1/27/2007	0.3	4.0	17.2	78.5	
	12:10	2/24/2007	sampling port clogged with ice				
	16:10	3/28/2007	0.2	3.2	17.5	79.2	
	11:10	5/1/2007	0.0	3.8	15.7	80.5	
	12:15	5/30/2007	0.0	3.4	16.0	80.6	
	13:15	6/19/2007	0.1	1.8	18.7	79.5	
	11:24	8/13/2007	0.0	1.0	19.4	79.6	
	10:50	10/18/2007	0.1	2.4	16.9	80.6	
	14:20	1/23/2008	0.4	2.8	18.8	78.0	
	7:55	6/12/2008	0.0	4.0	16.0	80.0	
	11:15	7/21/2008	0.0	4.6	12.6	82.8	
	12:30	10/3/2008	0.0	5.0	16.4	78.6	
	11:50	10/13/2008	0.0	4.6	16.4	79.0	
	11:30	1/27/2009	0.3	3.4	18.2	78.1	
	10:41	4/9/2009	0.0	3.2	16.6	80.2	
	10:47	7/22/2009	0.0	2.8	17.2	80.0	
	10:05	10/28/2009	0.0	2.8	17.5	79.7	
	10:30	1/26/2010	0.3	0.8	19.6	79.3	
	11:50	5/25/2010	0.0	0.4	19.0	80.6	
	10:16	9/28/2010	0.0	1.8	17.7	80.5	
	11:00	1/25/2011	0.2	0.4	20.0	79.4	
	7:50	4/25/2011	0.2	3.4	17.0	79.4	
	7:41	7/13/2011	0.0	1.4	19.2	79.4	
	7:50	10/26/2011	0.0	2.4	19.2	78.4	
	9:45	1/25/2012	0.1	4.4	16.2	79.3	
	9:45	4/2/2012	0.1	4.2	17.0	78.7	
	10:52	7/25/2012	0.0	4.0	15.7	80.3	
	10:21	10/15/2012	0.0	3.2	15.0	81.8	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-10	10:20	1/15/2013	0.0	3.0	17.5	79.5	
	7:43	4/29/2013	0.0	3.0	17.1	79.9	
	8:33	7/22/2013	0.0	4.8	13.5	81.7	
	9:00	10/14/2013	0.0	3.6	17.9	78.5	
	11:29	4/22/2014	0.0	3.2	17.2	79.6	
	7:55	4/22/2015	0.0	3.6	17.1	79.3	
	8:55	4/18/2016	0.0	3.4	16.9	79.7	
	9:03	4/12/2017	0.0	4.2	17.2	78.6	
	8:56	6/20/2018	0.0	4.4	14.9	80.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-11	9:09	3/22/2006	0.0	3.5	17.6	78.9	pre-startup
	14:27	3/23/2006	0.0	3.4	17.6	79.0	
	14:40	3/30/2006	0.0	0.8	19.7	79.5	
	13:55	4/6/2006	0.0	1.7	18.0	80.3	
	14:00	4/11/2006	0.0	0.7	19.8	79.5	
	11:43	4/14/2006	0.0	0.5	18.9	80.6	
	10:55	4/17/2006	0.3	0.1	20.4	79.2	
	7:30	4/28/2006	0.0	0.7	20.2	79.1	
	14:05	5/4/2006	0.0	0.0	19.9	80.1	
	11:07	5/22/2006	2.6	0.3	20.4	76.7	
	12:34	6/2/2006	1.0	0.1	20.4	78.5	
	9:45	6/9/2006	4.9	0.6	20.2	74.3	
	13:23	6/14/2006	0.8	0.3	20.0	78.9	
	10:10	6/22/2006	0.6	0.0	20.4	79.0	
	12:41	7/5/2006	0.5	1.4	18.5	79.6	
	11:55	7/10/2006	0.6	2.5	18.6	78.3	
	11:21	7/17/2006	0.5	1.5	18.1	79.9	
	13:15	7/28/2006	0.1	0.2	18.2	81.5	
	10:36	8/8/2006	0.6	2.2	17.8	79.4	
	8:01	8/16/2006	0.1	0.0	17.9	82.0	
	7:46	8/21/2006	0.5	2.4	19.0	78.1	
	13:45	8/28/2006	0.6	2.6	18.6	78.2	
	10:55	9/13/2006	0.1	2.7	19.2	78.0	
	10:14	9/25/2006	0.7	2.1	19.0	78.2	
	8:00	10/10/2006	0.7	2.0	18.5	78.8	
	7:52	10/23/2006	0.7	1.0	20.6	77.7	
	13:34	11/2/2006	0.6	1.5	19.8	78.1	
	12:44	11/14/2006	0.1	2.0	18.4	79.6	
	10:58	11/27/2006	0.1	1.0	19.6	79.3	
	13:40	12/26/2006	0.3	2.0	18.4	79.4	
	12:41	1/27/2007	0.4	2.6	18.2	78.9	
	11:10	2/24/2007	0.4	2.6	18.1	78.9	
	16:14	3/28/2007	0.2	2.6	17.8	79.5	
	11:15	5/1/2007	0.0	3.4	15.9	80.7	
	12:06	5/30/2007	0.0	3.0	16.8	80.2	
	13:05	6/19/2007	0.1	2.8	18.3	78.8	
	11:27	8/13/2007	0.0	2.2	18.8	79.0	
	10:34	10/18/2007	0.1	2.8	17.0	80.1	
	12:10	1/23/2008	0.2	2.4	19.2	78.2	
	8:05	6/12/2008	0.0	2.6	18.0	79.4	
	11:20	7/21/2008	0.0	3.4	16.6	80.0	
	12:23	10/3/2008	0.0	2.0	19.4	78.6	
	12:00	10/13/2008	0.0	2.2	19.1	78.7	
	10:45	1/27/2009	0.3	3.0	18.5	78.2	
	9:50	4/9/2009	0.0	3.4	16.8	79.8	
	10:53	7/22/2009	0.0	2.0	18.1	79.9	
	10:11	10/28/2009	0.0	2.4	17.9	79.7	
	9:15	1/26/2010	0.3	2.6	18.5	78.6	
	8:30	5/25/2010	0.0	3.2	16.5	80.3	
	10:25	9/28/2010	0.0	3.0	16.8	80.2	
	10:29	1/25/2011	0.2	3.6	16.6	79.6	
	7:55	4/25/2011	0.2	4.0	17.2	78.6	
	6:47	7/13/2011	0.0	2.8	18.3	78.9	
	10:10	10/26/2011	0.0	3.0	18.5	78.5	
	7:40	1/25/2012	0.1	2.6	18.4	78.9	
	9:55	4/2/2012	0.1	3.6	17.9	78.4	
	10:39	7/25/2012	0.0	1.8	17.9	80.3	
	10:05	10/15/2012	0.0	1.6	18.2	80.2	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-11	7:40	1/15/2013	0.0	2.2	19.1	78.7	
	7:35	4/29/2013	0.0	2.6	17.4	80.0	
	8:40	7/22/2013	0.0	2.4	18.5	79.1	
	8:36	10/14/2013	0.0	1.8	20.8	77.4	
	11:46	4/22/2014	0.0	3.4	16.8	79.8	
	13:05	4/22/2015	0.0	1.8	19.5	78.7	
	8:40	4/18/2016	0.0	2.4	19.0	78.6	
	8:37	4/12/2017	0.0	2.6	18.8	78.6	
	8:30	6/20/2018	0.0	3.2	17.5	79.3	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-12	9:06	3/22/2006	0.0	5.7	13.0	81.3	pre-startup
	14:22	3/23/2006	0.0	5.5	13.2	81.3	
	14:20	3/30/2006	0.0	2.6	17.7	79.7	
	13:50	4/6/2006	0.2	2.1	17.3	80.4	
	13:50	4/11/2006	0.0	2.5	17.1	80.4	
	11:40	4/14/2006	0.0	2.5	15.5	82.0	
	10:45	4/17/2006	1.4	3.7	18.4	76.5	
	12:20	4/28/2006	0.0	2.4	18.0	79.6	
	13:54	5/4/2006	0.0	0.0	17.3	82.7	
	11:00	5/22/2006	1.4	2.7	17.5	78.4	
	12:28	6/2/2006	0.1	1.8	17.4	80.7	
	8:50	6/9/2006	0.9	2.1	19.2	77.8	
	13:10	6/14/2006	0.1	0.0	17.5	82.4	
	10:20	6/22/2006	0.5	2.2	18.2	79.1	
	11:57	7/5/2006	0.6	2.2	18.2	79.0	
	11:22	7/10/2006	0.6	2.7	18.2	78.5	
	10:39	7/17/2006	0.7	2.6	17.5	79.2	
	13:28	7/28/2006	0.6	1.5	18.2	79.7	
	11:22	8/8/2006	0.6	2.6	17.5	79.3	
	8:58	8/16/2006	4.1	18.6	10.0	67.3	
	8:44	8/21/2006	0.6	3.2	18.5	77.7	
	14:26	8/28/2006	0.0	0.0	19.4	80.6	
	11:42	9/13/2006	0.1	0.9	17.9	81.1	
	11:40	9/25/2006	0.8	3.4	16.8	79.0	
	8:47	10/10/2006	0.7	3.8	17.6	77.9	
	8:50	10/23/2006	0.7	4.1	16.4	78.8	
	14:55	11/2/2006	3.9	14.0	7.7	74.5	
	15:30	11/14/2006	0.3	3.6	16.7	79.5	
	11:05	11/27/2006	0.2	2.4	18.0	79.5	
	13:35	12/26/2006	0.3	3.8	15.7	80.3	
	13:18	1/27/2007	0.4	3.8	15.7	80.1	
	12:00	2/24/2007	0.2	3.2	16.6	80.0	
	17:40	3/28/2007	0.2	3.4	16.4	80.0	
	10:30	5/1/2007	0.1	2.6	16.1	81.3	
	12:02	5/30/2007	0.0	2.8	16.0	81.2	
	16:30	6/19/2007	0.0	2.8	18.1	79.1	
	11:35	8/13/2007	0.0	2.6	18.3	79.1	
	10:26	10/18/2007	0.1	4.0	15.2	80.7	
	13:08	1/23/2008	0.3	7.2	12.2	80.3	
	9:10	6/12/2008	0.0	2.4	17.1	80.5	
	11:45	7/21/2008	0.0	2.6	17.0	80.4	
	12:00	10/3/2008	0.0	4.0	17.6	78.4	
	11:30	10/13/2008	0.0	3.0	18.0	79.0	
	7:15	1/27/2009	0.2	5.6	15.3	78.9	
	9:44	4/9/2009	0.0	3.4	15.8	80.8	
	7:35	7/22/2009	0.0	2.4	17.9	79.7	
	11:15	10/28/2009	0.0	3.2	16.4	80.4	
	9:10	1/26/2010	0.3	5.2	14.9	79.7	
	11:55	5/25/2010	0.0	2.4	16.1	81.5	
	11:10	9/28/2010	0.0	4.0	15.3	80.7	
	8:19	1/25/2011	0.3	5.4	14.6	79.7	
	11:00	4/25/2011	0.1	3.2	16.1	80.6	
	6:35	7/13/2011	0.0	2.4	17.5	80.1	
	11:30	10/26/2011	0.0	3.6	17.8	78.6	
	10:35	1/25/2012	0.1	4.6	14.8	80.5	
	11:00	4/2/2012	0.1	3.2	16.1	80.6	
	10:32	7/25/2012	0.0	2.6	16.9	80.5	
	9:08	10/15/2012	0.0	3.2	16.1	80.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
GP-12	11:30	1/15/2013	0.0	5.4	13.6	81.0	
	8:12	4/29/2013	0.0	3.2	16.0	80.8	
	8:24	7/22/2013	0.0	3.2	16.8	80.0	
	8:10	10/14/2013	0.0	3.2	18.6	78.2	
	7:58	4/22/2014	0.0	2.6	17.8	79.6	
	9:15	4/22/2015	0.0	3.4	17.8	78.8	
	8:35	4/18/2016	0.0	2.4	17.1	80.5	
	8:25	4/12/2017	0.0	3.4	16.7	79.9	
	8:45	6/20/2018	0.0	2.4	18.1	79.5	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-101	9:24	3/23/2006	2.9	18.1	0.8	78.2	pre-startup
	14:25	3/30/2006	1.0	8.0	10.9	80.1	
	14:00	4/6/2006	0.8	0.2	20.0	79.0	
	14:05	4/11/2006	0.0	0.0	20.3	79.7	
	11:50	4/14/2006	0.0	1.8	17.9	80.3	
	10:58	4/17/2006	2.0	0.3	20.5	77.2	
	7:35	4/28/2006	0.0	0.0	20.7	79.3	
	14:10	5/4/2006	0.0	0.0	20.2	79.8	
	11:10	5/22/2006	0.0	0.0	20.5	79.5	
	12:38	6/2/2006	0.2	0.0	20.4	79.4	
	9:50	6/9/2006	1.1	0.2	20.5	78.2	
	13:48	6/14/2006	4.1	0.3	20.4	75.2	
	10:15	6/22/2006	0.0	0.0	20.4	79.6	
	12:46	7/5/2006	0.6	20.0	20.0	59.4	
	12:00	7/10/2006	0.6	0.0	20.0	79.4	
	11:30	7/17/2006	0.0	0.0	19.8	80.2	
	13:20	7/28/2006	0.6	0.0	19.3	80.1	
	10:41	8/8/2006	0.8	0.0	19.8	79.4	
	8:05	8/16/2006	0.1	0.0	19.6	80.3	
	7:52	8/21/2006	0.9	0.1	20.4	78.6	
	13:47	8/28/2006	0.6	0.1	20.2	79.1	
	10:57	9/13/2006	0.6	0.2	19.8	79.4	
	10:16	9/25/2006	0.6	0.2	20.2	79.0	
	8:03	10/10/2006	0.7	0.2	20.5	78.6	
	7:55	10/23/2006	0.9	0.7	19.8	78.6	
	15:00	11/2/2006	0.3	0.0	20.8	78.9	
	12:48	11/14/2006	0.1	0.4	19.4	80.1	
	11:00	11/27/2006	0.1	0.2	20.0	79.7	
	13:45	12/26/2006	0.3	0.0	19.3	80.5	
	12:45	1/27/2007	0.4	0.6	20.0	79.1	
	11:14	2/24/2007	0.5	0.6	20.1	78.9	
	16:18	3/28/2007	0.2	0.2	20.1	79.5	
	11:19	5/1/2007	0.0	0.2	18.8	81.0	
	12:08	5/30/2007	0.0	0.2	18.9	80.9	
	13:10	6/19/2007	0.1	0.0	20.9	79.1	
	11:30	8/13/2007	0.0	0.0	20.9	79.1	
	10:37	10/18/2007	0.1	0.0	19.6	80.4	
	12:18	1/23/2008	0.2	5.8	14.4	79.6	
	14:45	5/12/2008	0.0	0.0	19.8	80.2	
	8:15	6/12/2008	0.0	0.0	20.9	79.1	
	11:30	7/21/2008	0.0	0.0	20.9	79.1	
	12:20	10/3/2008	0.0	0.4	20.9	78.7	
	12:05	10/13/2008	0.0	0.0	20.9	79.1	
	10:40	1/27/2009	0.3	4.8	15.7	79.3	
	11:57	4/9/2009	0.0	0.0	19.9	80.1	
	10:57	7/22/2009	0.0	0.0	19.4	80.6	
	10:16	10/28/2009	0.0	0.6	19.6	79.8	
	9:20	1/26/2010	0.3	0.8	19.4	79.5	
	8:34	5/25/2010	0.0	0.0	19.3	80.7	
	10:32	9/28/2010	0.0	1.0	17.7	81.3	
	10:45	1/25/2011	0.2	0.4	20.0	79.4	
	8:00	4/25/2011	0.2	0.4	20.9	78.5	
	6:50	7/13/2011	0.0	0.0	20.5	79.5	
	10:15	10/26/2011	0.0	0.6	20.4	79.0	
	7:38	1/25/2012	0.1	0.6	19.5	79.8	
	10:00	4/2/2012	0.1	0.2	20.9	78.8	
	10:43	7/25/2012	0.0	0.0	19.1	80.9	
	10:15	10/15/2012	0.0	0.4	18.9	80.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-101	7:50	1/15/2013	0.0	1.8	18.7	79.5	
	7:39	4/29/2013	0.0	0.4	20.9	78.7	
	8:45	7/22/2013	0.0	0.0	20.9	79.1	
	8:45	10/14/2013	0.0	0.4	20.9	78.7	
	11:56	4/22/2014	0.5	0.6	20.1	78.8	
	11:30	4/22/2015	0.0	0.4	20.7	78.9	
	8:45	4/18/2016	0.0	0.0	20.9	79.1	
	8:43	4/12/2017	0.0	0.0	20.9	79.1	
	8:32	6/20/2018	0.0	0.0	20.9	79.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-102	14:20	3/23/2006	0.0	0.7	20.5	78.8	pre-startup
	14:15	3/30/2006	1.0	0.5	20.6	77.9	
	13:35	4/6/2006	1.0	0.6	20.3	78.1	
	13:43	4/11/2006	0.5	0.3	19.7	79.5	
	11:50	4/14/2006	0.0	0.3	18.6	81.1	
	10:34	4/17/2006	0.8	0.7	20.1	78.4	
	14:00	4/28/2006	0.0	0.0	20.7	79.3	
	13:35	5/4/2006	0.0	0.2	20.5	79.3	
	10:42	5/22/2006	0.2	0.1	2.4	97.3	
	8:48	6/9/2006	0.0	0.0	19.8	80.2	
	12:20	6/14/2006	0.1	0.0	19.5	80.4	
	11:20	6/22/2006	0.7	0.1	19.9	79.3	
	11:53	7/5/2006	0.6	0.0	20.0	79.4	
	11:19	7/10/2006	0.6	4.7	15.1	79.6	
	10:20	7/17/2006	0.9	0.8	19.0	79.3	
	12:40	7/28/2006	0.6	0.6	18.6	80.2	
	10:13	8/8/2006	0.6	1.2	18.5	79.7	
	8:42	8/16/2006	0.1	0.0	17.7	82.2	
	8:00	8/21/2006	0.1	0.0	18.5	81.4	
	13:55	8/28/2006	0.6	1.8	18.8	78.8	
	11:05	9/13/2006	0.1	0.0	19.5	80.4	
	10:25	9/25/2006	0.1	0.0	19.2	80.7	
	8:44	10/10/2006	0.7	1.0	19.6	78.7	
	8:05	10/23/2006	0.8	0.4	19.6	79.2	
	14:42	11/2/2006	0.3	0.0	20.8	78.9	
	13:30	11/14/2006	0.2	0.2	20.0	79.6	
	11:12	11/27/2006	0.2	0.0	20.2	79.7	
	12:39	12/26/2006	0.1	0.0	20.0	79.9	
	13:10	1/27/2007	0.4	0.2	20.2	79.2	
	11:00	2/24/2007	0.4	0.2	20.6	78.9	
	17:35	3/28/2007	0.2	0.2	20.0	79.6	
	10:24	5/1/2007	0.0	1.4	17.0	81.6	
	11:57	5/30/2007	0.0	1.4	16.7	81.9	
	16:00	6/19/2007	0.0	0.0	20.6	79.4	
	11:42	8/13/2007	0.0	2.8	16.6	80.6	
	10:24	10/18/2007	0.1	4.2	15.0	80.7	
	14:05	1/23/2008	0.4	1.2	20.9	77.5	
	9:05	6/12/2008	0.0	0.6	18.9	80.5	
	12:10	7/21/2008	0.0	1.6	16.4	82.0	
	11:52	10/3/2008	0.0	3.6	16.8	79.6	
	11:03	10/13/2008	0.0	18.7	1.8	79.5	
	11:00	1/27/2009	0.3	1.0	20.8	78.0	
	9:29	4/9/2009	0.0	0.4	19.1	80.5	
	11:35	7/22/2009	0.0	1.8	16.1	82.1	
	10:25	10/28/2009	0.0	2.6	17.4	80.0	
	10:40	1/26/2010	0.3	2.2	18.4	79.1	
	8:44	5/25/2010	0.0	1.4	16.8	81.8	
	11:05	9/28/2010	0.0	4.6	14.1	81.3	
	8:08	1/25/2011	0.2	1.2	19.2	79.4	
	10:10	4/25/2011	0.1	0.2	20.7	79.0	
	6:30	7/13/2011	0.0	1.8	14.2	84.0	
	12:08	10/26/2011	0.0	2.4	18.4	79.2	
	10:30	1/25/2012	0.1	0.4	17.9	81.6	
	10:37	4/2/2012	0.1	1.4	18.5	80.0	
	10:28	7/25/2012	0.0	3.0	15.0	82.0	
	9:05	10/15/2012	0.0	2.8	16.7	80.5	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-102	11:21	1/15/2013	0.0	1.6	19.6	78.8	
	10:05	4/29/2013	0.0	0.6	19.2	80.2	
	8:11	7/22/2013	0.0	2.2	14.3	83.5	
	7:59	10/14/2013	0.0	4.0	17.4	78.6	
	7:53	4/22/2014	0.0	0.4	20.5	79.1	
	9:08	4/22/2015	0.0	1.0	20.9	78.1	
	8:22	4/18/2016	0.0	0.4	19.9	79.7	
	8:18	4/12/2017	0.0	0.0	20.9	79.1	
	7:45	6/20/2018	0.0	0.8	19.1	80.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-103	7:49	3/23/2006	0.0	0.2	21.8	78.0	pre-startup
	15:30	3/30/2006	0.0	1.9	18.2	79.9	
	14:35	4/6/2006	0.4	8.0	9.4	82.2	
	14:40	4/11/2006	0.0	6.4	10.8	82.8	
	12:15	4/14/2006	0.0	3.2	15.6	81.2	
	11:30	4/17/2006	0.0	0.0	20.7	79.3	
	10:45	4/28/2006	0.0	0.0	20.5	79.5	
	15:05	5/4/2006	0.4	0.0	13.5	86.1	
	11:42	5/22/2006	0.2	0.0	20.6	79.2	
	13:14	6/2/2006	0.2	0.0	20.1	79.7	
	9:10	6/9/2006	1.1	0.1	20.5	78.3	
	13:30	6/14/2006	0.6	0.3	20.4	78.7	
	11:28	6/22/2006	0.7	0.0	20.2	79.1	
	11:27	7/5/2006	0.6	0.0	20.4	79.0	
	10:40	7/10/2006	0.0	0.0	19.9	80.1	
	10:06	7/17/2006	0.8	0.4	19.4	79.4	
	12:30	7/28/2006	0.6	0.0	19.9	79.5	
	9:17	8/8/2006	0.6	0.0	19.9	79.5	
	7:34	8/16/2006	0.1	0.0	19.9	80.0	
	7:25	8/21/2006	0.5	0.0	20.1	79.4	
	13:29	8/28/2006	0.1	0.0	20.3	79.6	
	10:34	9/13/2006	0.0	0.0	20.4	79.6	
	9:57	9/25/2006	0.0	0.1	19.3	80.6	
	7:22	10/10/2006	0.5	0.2	20.4	78.9	
	7:38	10/23/2006	0.6	0.0	20.8	78.6	
	13:14	11/2/2006	0.0	0.3	21.0	78.7	
	13:08	11/14/2006	0.2	9.2	11.2	79.5	
	10:40	11/27/2006	0.1	0.0	20.1	79.9	
	14:00	12/26/2006	0.3	0.2	20.1	79.5	
	12:05	1/27/2007	0.1	0.0	19.8	80.2	
	12:34	2/24/2007	0.4	4.2	16.3	79.2	
	15:35	3/28/2007	0.1	0.0	20.0	79.9	
	10:52	5/1/2007	0.1	0.8	18.7	80.4	
	12:40	5/30/2007	0.0	0.4	18.9	80.7	
	13:35	6/19/2007	0.0	0.0	20.9	79.1	
	11:05	8/13/2007	0.0	0.0	20.9	79.1	
	10:05	10/18/2007	0.1	1.2	18.5	80.2	
	13:45	1/23/2008	0.4	0.2	20.9	78.5	
	7:15	6/12/2008	0.0	0.4	20.9	78.7	
	10:40	7/21/2008	0.0	0.0	20.9	79.1	
	11:20	10/3/2008	0.0	0.0	20.9	79.1	
	10:05	10/13/2008	0.0	0.4	20.7	78.9	
	7:00	1/27/2009	0.0	0.0	20.9	79.1	
	11:17	4/9/2009	0.0	0.0	20.0	80.0	
	10:32	7/22/2009	0.0	0.4	19.6	80.0	
	9:27	10/28/2009	0.0	0.0	19.8	80.2	
	8:14	1/26/2010	0.3	2.2	18.0	79.5	
	8:08	5/25/2010	0.0	0.0	19.3	80.7	
	8:57	9/28/2010	0.0	0.0	18.9	81.1	
	7:15	1/25/2011	0.0	0.2	19.4	80.4	
	7:25	4/25/2011	0.2	3.0	17.5	79.3	
	7:15	7/13/2011	0.0	0.0	20.5	79.5	
	7:35	10/26/2011	0.0	0.0	20.9	79.1	
	7:14	1/25/2012	0.2	2.6	16.9	80.3	
	9:10	4/2/2012	0.0	0.0	20.9	79.1	
	7:48	7/25/2012	0.0	3.4	15.5	81.1	
	10:50	10/15/2012	0.0	0.2	18.9	80.9	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-103	11:05	1/15/2013	0.0	3.8	16.5	79.7	
	8:03	4/29/2013	0.0	0.6	20.9	78.5	
	9:15	7/22/2013	0.0	0.6	20.7	78.7	
	9:20	10/14/2013	0.0	0.2	20.9	78.9	
	12:14	4/22/2014	0.0	0.0	20.9	79.1	
	7:40	4/22/2015	0.0	0.0	20.9	79.1	
	9:30	4/18/2016	0.0	0.6	20.8	78.6	
	9:24	4/12/2017	0.0	0.0	20.9	79.1	
	8:09	6/20/2018	0.0	0.0	20.9	79.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-104	9:29	3/23/2006	**12.8**	18.5	0.8	67.9	pre-startup
	15:45	3/30/2006	0.0	0.0	20.7	79.3	
	13:10	4/6/2006	**6.8**	8.9	10.5	73.8	
	14:50	4/11/2006	4.1	7.1	9.2	79.6	
	11:40	4/17/2006	2.0	0.3	21.0	76.7	
	14:10	4/28/2006	0.0	0.0	20.7	79.3	
	15:40	5/4/2006	0.0	0.0	8.1	91.9	
	10:27	5/22/2006	0.0	0.1	19.9	80.0	
	8:32	6/9/2006	0.0	0.0	19.6	80.4	
	12:45	6/14/2006	3.2	0.8	18.8	77.2	
	10:54	6/22/2006	0.8	0.1	19.7	79.4	
	12:19	7/5/2006	0.6	0.0	20.0	79.4	
	11:40	7/10/2006	0.7	0.6	19.8	78.9	
	11:05	7/17/2006	0.1	0.0	19.6	80.3	
	12:38	7/28/2006	0.6	0.0	19.8	79.6	
	9:49	8/8/2006	0.6	0.0	20.0	79.4	
	9:14	8/16/2006	0.7	0.2	19.4	79.7	
	8:30	8/21/2006	0.1	0.3	18.1	81.5	
	14:16	8/28/2006	0.0	0.0	17.6	82.4	
	11:29	9/13/2006	0.7	0.2	16.8	82.3	
	11:27	9/25/2006	0.0	0.2	19.5	80.3	
	8:27	10/10/2006	0.7	13.1	4.3	81.9	
	8:30	10/23/2006	0.7	0.3	16.7	82.3	
	14:14	11/2/2006	0.3	0.0	20.6	79.1	
	15:06	11/14/2006	0.2	0.6	19.4	79.8	
	12:04	11/27/2006	0.2	3.0	17.6	79.2	
	13:15	12/26/2006	0.2	0.0	20.0	79.9	
	14:16	1/27/2007	0.1	0.0	19.4	80.5	
	11:35	2/24/2007	0.5	12.8	5.6	81.1	
	16:55	3/28/2007	0.2	0.2	20.0	79.6	
	11:45	5/1/2007	0.0	0.0	18.9	81.1	
	11:48	5/30/2007	0.0	0.0	19.0	81.0	
	15:30	6/19/2007	0.0	0.0	20.9	79.1	
	12:05	8/13/2007	0.0	0.0	20.9	79.1	
	9:50	10/18/2007	0.1	0.0	19.6	80.3	
	13:20	1/23/2008	0.3	0.6	20.6	78.5	
	9:25	6/12/2008	0.0	0.0	20.9	79.1	
	12:30	7/21/2008	0.0	0.0	20.9	79.1	
	11:37	10/3/2008	0.0	0.0	20.9	79.1	
	10:45	10/13/2008	0.0	0.2	20.9	78.9	
	10:50	1/27/2009	0.2	14.6	3.9	81.3	
	11:40	4/9/2009	0.0	1.2	19.2	79.6	
	7:50	7/22/2009	0.0	0.0	19.6	80.4	
	9:48	10/28/2009	0.0	0.0	20.0	80.0	
	8:25	1/26/2010	0.4	0.2	20.4	79.1	
	11:30	5/25/2010	0.0	0.0	19.3	80.7	
	9:25	9/28/2010	0.0	0.2	18.6	81.2	
	7:45	1/25/2011	0.2	0.6	19.6	79.6	
	8:21	4/25/2011	0.2	0.4	20.5	78.9	
	7:47	7/13/2011	0.0	0.0	20.5	79.5	
	11:05	10/26/2011	0.0	0.2	20.4	79.4	
	7:10	1/25/2012	0.1	1.0	18.5	80.4	
	9:05	4/2/2012	0.0	0.0	20.9	79.1	
	8:07	7/25/2012	0.0	11.0	3.9	85.1	
	8:35	10/15/2012	0.0	0.0	18.1	81.9	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
MW-104	9:55	1/15/2013	0.0	0.6	20.9	78.5	
	10:00	4/29/2013	0.0	9.4	6.8	83.8	
	7:55	7/22/2013	0.0	5.0	14.2	80.8	
	7:40	10/14/2013	0.0	2.4	17.4	80.2	
	10:47	4/22/2014	0.0	0.2	20.7	79.1	
	10:26	4/22/2015	0.0	1.0	20.9	78.1	
	8:09	4/18/2016	0.0	0.2	20.9	78.9	
	8:06	4/12/2017	0.0	0.0	20.9	79.1	
	9:21	6/20/2018	0.0	0.2	20.9	78.9	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	2:00	3/28/2006	4.4	4.0	17.8	73.8	
	12:52	5/4/2006	8.6	14.7	7.4	69.3	
	11:15	6/28/2006	5.9	14.5	9.5	70.1	
	11:45	7/5/2006	6.1	18.7	7.2	68.0	
	11:12	7/10/2006	6.7	21.7	5.1	66.5	
	10:31	7/17/2006	6.2	18.6	6.5	68.7	
	14:24	7/28/2006	2.1	19.2	6.1	72.6	
	10:23	8/8/2006	5.9	18.0	6.8	69.3	
	8:30	8/16/2006	6.8	17.3	7.3	68.6	
	8:07	8/21/2006	6.9	18.0	7.6	67.5	
	14:00	8/28/2006	7.1	18.6	7.3	67.0	
	11:13	9/13/2006	15.2	20.0	8.1	56.7	
	11:37	9/25/2006	14.2	24.3	4.8	56.7	
	8:09	10/10/2006	7.4	19.2	8.2	65.2	
	8:13	10/23/2006	12.8	16.3	9.1	61.8	
	9:00	11/2/2006	5.0	14.0	8.2	72.8	
	13:43	11/14/2006	4.4	10.4	10.6	74.6	
	11:19	11/27/2006	3.8	10.2	10.8	75.2	
	12:31	12/26/2006	6.5	14.8	6.9	71.8	
	13:30	1/27/2007	8.0	15.8	6.4	69.8	
	10:45	2/24/2007	6.0	11.6	10.0	72.4	
	7:35	3/5/2007	0.1	0.2	19.8	79.9	
	8:20	3/24/2007	9.0	12.6	9.7	68.7	
	17:10	3/24/2007	8.5	12.6	9.4	69.5	
	17:25	3/26/2007	6.5	11.4	9.8	72.3	
	7:39	3/27/2007	6.5	11.2	10.2	72.1	
	17:25	3/28/2007	6.5	10.0	11.6	71.9	
	8:16	3/29/2007	5.5	8.8	12.3	73.4	
	17:15	3/29/2007	5.0	8.6	12.3	74.1	
	16:09	6/19/2007	12.5	18.2	4.6	64.7	
	11:55	8/13/2007	13.5	20.2	4.1	62.2	
	9:12	10/19/2007	7.5	16.2	5.0	71.3	
	12:50	1/23/2008	8.5	15.6	7.1	68.8	
	8:55	6/12/2008	8.0	15.2	7.3	69.5	
	12:03	7/21/2008	9.5	17.0	5.6	67.9	
	11:15	10/13/2008	6.5	9.8	12.0	71.7	
	7:20	1/27/2009	3.8	6.4	15.7	74.2	
	9:37	4/9/2009	6.5	7.6	13.3	72.6	
	7:40	7/22/2009	5.0	7.8	12.8	74.4	
	10:35	10/28/2009	6.5	7.4	13.9	72.2	
	7:20	1/27/2009	3.8	6.4	15.7	74.2	
	13:15	5/25/2010	5.0	5.2	15.2	74.6	
	10:45	9/28/2010	6.5	5.4	15.3	72.8	
	8:11	1/25/2011	4.4	4.2	17.1	74.3	
	10:40	4/25/2011	24.0	5.5	16.3	54.2	
	8:24	7/13/2011	5.5	3.8	17.4	73.3	
	16:15	9/15/2011	13.0	13.8	9.9	63.3	
	8:22	9/21/2011	34.0	26.8	2.9	36.3	
	9:28	9/21/2011	18.5	18.4	6.5	56.6	
	9:20	9/22/2011	22.5	22.6	3.7	51.2	
	10:05	9/22/2011	17.0	18.0	7.0	58.0	
	10:51	9/22/2011	18.0	18.8	6.0	57.2	
	10:32	10/3/2011	6.0	8.4	13.9	71.7	
	13:43	10/24/2011	7.5	10.0	12.0	70.5	
	10:50	10/26/2011	7.5	16.4	5.8	70.3	
	10:33	11/7/2011	5.5	7.4	14.6	72.5	
	9:11	11/14/2011	5.0	6.4	14.8	73.8	
	10:20	12/12/2011	7.5	4.8	16.6	71.1	
	10:10	12/27/2011	6.5	5.0	15.8	72.7	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	9:10	1/10/2012	6.0	6.0	14.4	73.6	
	10:17	1/25/2012	3.1	2.4	17.6	76.9	
	9:08	2/20/2012	3.1	3.0	19.3	74.6	
	9:35	3/8/2012	8.0	7.2	14.8	70.0	
	10:15	4/2/2012	4.3	4.4	17.4	73.9	
	8:55	4/16/2012	5.0	4.8	16.4	73.8	
	9:45	4/30/2012	7.5	7.4	13.6	71.5	
	9:08	5/14/2012	7.5	7.6	14.2	70.7	
	9:00	5/29/2012	5.5	5.2	15.7	73.6	
	7:38	6/11/2012	7.0	6.0	15.5	71.5	
	9:35	6/25/2012	4.8	4.6	16.3	74.4	
	8:55	7/9/2012	5.0	5.0	15.6	74.4	
	8:20	7/23/2012	6.0	8.0	13.0	73.0	
	10:17	7/25/2012	7.0	8.9	12.1	72.0	
	8:49	8/6/2012	3.9	5.6	15.0	75.6	
	9:10	8/21/2012	4.7	6.6	14.2	74.6	
	9:07	9/4/2012	4.5	6.8	13.5	75.2	
	8:50	10/1/2012	4.4	7.6	13.0	75.1	
	8:25	10/15/2012	4.8	8.4	12.2	74.7	
	7:25	12/6/2012	8.5	9.8	11.6	70.1	
	9:50	12/17/2012	7.5	7.8	12.4	72.3	
	8:40	12/31/2012	10.5	9.0	12.5	68.0	
	8:30	1/9/2013	12.0	10.6	11.6	65.8	
	9:40	1/16/2013	13.5	9.8	11.3	65.4	
	8:55	1/28/2013	6.5	5.4	17.1	71.0	
	10:25	2/11/2013					have to fix drop tube for readings
	9:10	2/25/2013	1.0	0.8	20.9	77.3	
	7:20	3/8/2013					No readings
	8:40	3/22/2013					No readings
	13:40	4/8/2013	6.0	5.8	15.7	72.5	
	15:10	4/22/2013	6.5	7.2	14.9	71.4	
	9:35	4/29/2013	3.5	4.6	16.3	75.7	
	8:22	5/13/2013	3.0	4.4	16.6	76.0	
	13:08	5/28/2013	3.9	5.6	15.2	75.3	
	8:39	6/7/2013	4.5	6.6	14.3	74.6	
	8:09	6/21/2013	5.5	8.4	12.7	73.4	
	8:40	7/5/2013	4.8	7.8	12.9	74.6	
	7:44	7/22/2013	5.5	8.6	12.4	73.5	
	8:50	8/5/2013	6.5	9.0	12.3	72.2	
	8:08	8/19/2013	6.0	8.6	12.4	73.0	
	8:24	9/5/2013	5.0	7.8	13.6	73.6	
	8:38	9/16/2013	6.5	8.6	13.4	71.5	
	7:24	9/30/2013	12.0	10.8	11.9	65.3	
	7:24	10/14/2013	11.0	10.2	12.6	66.2	
	8:00	10/28/2013	11.5	9.8	14.0	64.7	
	7:55	11/19/2013	8.5	7.4	15.5	68.6	
	7:23	12/2/2013	11.5	7.8	15.1	65.6	
	7:05	12/16/2013	9.5	7.2	15.3	68.0	
	7:30	12/27/2013					Blower off
	7:02	1/13/2014	12.5	7.8	14.4	65.3	
	7:05	1/30/2014	14.5	9.4	14.0	62.1	
	7:21	2/12/2014	13.0	7.4	14.8	64.8	
	7:40	2/24/2014	8.5	6.2	14.6	70.7	
	8:07	3/10/2014	13.0	8.4	14.1	64.5	
	9:15	3/24/2014	16.0	14.4	8.1	61.5	
	7:45	4/7/2014	11.0	8.6	12.8	67.6	
	7:42	4/22/2014	8.5	9.0	12.5	70.0	
	7:28	5/7/2014	7.5	6.2	14.8	71.5	
	7:38	5/19/2014	4.7	5.0	16.4	74.0	
	7:05	5/30/2014	2.9	3.0	18.2	76.0	
	8:00	6/16/2014	4.0	4.8	15.8	75.5	
	7:40	6/30/2014	4.7	6.6	18.4	70.3	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	7:48	7/14/2014	3.1	6.0	15.8	75.1	
	8:48	7/28/2014	3.0	6.0	15.8	75.2	
	8:05	8/11/2014	3.0	7.0	13.8	76.2	
	13:15	8/25/2014	3.1	7.8	13.2	76.0	
	7:37	9/8/2014	3.5	8.2	12.7	75.7	
	7:23	9/22/2014	3.1	7.0	14.5	75.4	
	7:35	10/7/2014	4.5	9.0	11.2	75.4	
	7:36	10/20/2014	5.5	10.2	10.8	73.5	
	7:21	11/3/2014	6.5	8.6	14.8	70.1	
	7:18	11/17/2014	10.0	11.4	10.3	68.3	
	7:25	12/2/2014	9.0	9.8	11.6	69.6	
	7:50	12/15/2014	NA	NA	NA	NA	Blower off
	8:05	12/18/2014	12.0	11.2	11.3	65.5	
	7:15	1/2/2015	11.5	11.2	11.6	65.7	
	7:12	1/16/2015	8.0	7.2	14.3	70.5	
	7:20	1/26/2015	11.0	14.0	7.8	67.2	
	7:21	2/9/2015	6.5	7.2	14.3	72.0	
	7:45	2/24/2015	13.0	8.4	13.4	65.2	
	8:14	3/9/2015	9.0	8.2	12.7	70.1	
	7:12	3/23/2015	7.5	8.8	11.3	72.4	
	7:22	4/6/2015	7.0	8.2	11.8	73.0	
	9:00	4/22/2015	5.0	8.0	12.7	74.3	
	7:08	5/4/2015	6.5	9.2	10.2	74.1	
	7:15	5/18/2015	8.0	10.6	10.2	71.2	
	7:08	6/1/2015	7.0	10.8	10.0	72.2	
	7:20	6/15/2015	9.0	11.4	9.1	70.5	
	7:21	6/29/2015	8.5	10.8	10.6	70.1	
	7:18	7/14/2015	7.5	11.4	9.8	71.3	
	7:11	7/27/2015	5.5	9.6	11.1	73.8	
	7:18	8/10/2015	6.0	10.0	10.2	73.8	
	7:15	8/24/2015	5.0	9.2	10.9	74.9	
	7:25	9/8/2015	8.0	12.6	9.1	70.3	
	7:40	9/21/2015	4.5	8.6	12.2	74.7	
	7:16	10/5/2015	7.0	11.4	10.4	71.2	
	7:22	10/19/2015	7.0	10.2	11.3	71.5	
	7:38	11/2/2015	4.7	8.4	12.4	74.5	
	7:20	11/16/2015	6.5	10.0	11.3	72.2	
	10:50	11/30/2015	7.4	10.2	12.0	70.4	
	7:10	12/15/2015	4.3	6.8	13.9	75.1	
	7:20	12/28/2015	5.5	7.2	14.3	73.0	
	8:05	1/9/2016	7.0	8.0	12.5	72.5	
	7:40	1/25/2016	6.5	6.2	15.5	71.8	
	7:35	2/8/2016	5.0	5.2	16.0	73.8	
	8:21	2/22/2016	7.0	6.4	14.7	71.9	
	7:35	3/7/2016	9.0	7.2	13.5	70.3	
	8:18	3/21/2016	6.5	6.6	14.7	72.2	
	7:40	4/4/2016	3.8	4.8	16.1	75.4	
	7:45	4/18/2016	3.8	4.0	16.8	75.5	
	8:50	5/3/2016	4.2	3.6	16.9	75.4	
	7:38	5/16/2016	4.0	3.4	17.6	75.1	
	7:35	6/2/2016	2.6	2.8	17.9	76.7	
	7:37	6/14/2016	3.1	3.0	18.0	75.9	
	7:38	6/27/2016	2.2	2.4	18.1	77.4	
	10:10	7/14/2016	2.5	3.0	17.8	76.7	
	7:44	7/25/2016	2.1	3.0	18.0	76.9	
	7:35	8/8/2016	2.7	3.4	17.6	76.4	
	8:00	8/25/2016	2.6	3.6	17.2	76.6	
	7:20	9/6/2016	3.0	3.6	17.4	76.1	
	9:45	10/3/2016	3.4	4.8	16.5	75.3	
	7:50	10/19/2016	2.8	4.4	16.9	76.0	
	8:33	10/31/2016	3.7	16.1	5.4	74.8	
	7:59	11/14/2016	4.1	5.6	16.0	74.3	
	8:49	11/28/2016	6.5	7.4	14.3	71.8	
	9:04	12/9/2016	3.7	4.8	17.2	74.3	
	7:40	12/22/2016	4.6	5.4	15.9	74.1	

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

Monitoring Points	Time	Date	CH_4 (%) variable	CO_2 (%) variable	O_2 (%) <5	N (%) <40	Comments target percentages
System Exhaust	7:40	1/4/2017	6.5	6.0	15.6	71.9	
	7:15	1/13/2017	6.8	6.2	14.8	72.2	
	7:08	1/27/2017	9.5	7.6	14.5	68.4	
	7:43	2/13/2017	7.5	5.8	14.8	71.9	
	7:40	2/27/2017	9.0	6.6	14.2	70.2	
	8:06	3/13/2017	11.5	7.0	15.4	66.1	
	7:07	3/28/2017	11.5	7.4	14.4	66.7	
	7:49	4/12/2017	9.0	7.4	14.8	68.8	
	6:50	4/18/2017	12.5	8.8	13.8	64.9	
	7:04	4/25/2017	12.5	13.9	8.4	65.2	
	7:07	5/8/2017	9.8	7.6	14.7	67.9	
	7:15	5/22/2017	9.0	7.6	13.9	69.5	
	7:26	6/5/2017	7.5	7.6	13.9	71.0	
	7:20	6/19/2017	5.0	6.8	14.6	73.6	
	8:23	7/4/2017	2.9	3.6	17.4	76.2	
	7:42	7/18/2017	1.8	2.4	18.6	77.2	
	7:43	3/1/1900	2.1	2.6	18.5	76.8	
	7:57	8/14/2017	2.5	2.8	18.6	76.2	
	8:04	8/29/2017	2.1	2.6	18.8	76.6	
	7:53	9/12/2017	2.5	2.8	18.8	75.9	
	8:03	9/25/2017	2.2	2.6	18.7	76.6	
	8:07	10/10/2017	1.9	2.2	14.4	81.6	
	7:46	10/23/2017	2.5	2.6	19.5	75.4	
	7:53	11/6/2017	1.6	1.8	20.0	76.7	
	8:01	11/17/2017	2.7	2.6	19.0	75.7	
	7:58	12/1/2017	1.7	1.8	19.4	77.1	
	8:07	12/18/2017	2.0	2.2	19.2	76.6	
	8:42	1/3/2018	0.1	1.0	20.8	78.1	
	7:54	1/11/2018	0.5	2.4	18.7	78.4	
	7:46	1/26/2018	8.0	9.6	12.4	70.0	
	8:01	2/13/2018	4.4	7.4	13.8	74.5	
	7:38	2/27/2018	3.2	4.6	15.9	76.3	
	7:36	3/13/2018	3.8	5.2	15.8	75.3	
	8:00	3/28/2018	0.1	3.8	17.3	78.8	
	8:14	4/10/2018	2.3	2.6	18.6	76.6	
	7:44	4/25/2018	2.6	3.2	17.5	76.8	
	7:59	5/8/2018	2.8	3.6	17.0	76.6	
	7:47	5/21/2018	2.6	3.4	17.5	76.6	
	8:05	6/5/2018	3.0	3.8	17.1	76.2	
	7:42	6/20/2018	3.7	4.2	16.7	75.4	
	8:01	6/28/2018	3.1	4.0	17.0	76.0	
	5:54	8/2/2018	2.7	6.2	16.1	75.0	Rental meter read "over" for methane
	6:24	9/15/2018	7.0	5.4	16.6	71.0	
	8:23	9/26/2018	4.8	4.5	16.7	74.1	

Notes:
A rental landfill gas meter was used on 8/2/18, it only read "over" for all values over 33% LEL and 5% volume
For calculation and graphical representation purposes, an average of the previous 10 methane readings is used

CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen

FIGURES

N

WASHKOVICK

SCHROEDER

CO TRUNK HWY PP

CTY HWY FF

GP-10 GP-11

P-101 MW-101

GP-12

GP-2

GV-4 GV-5 GV-12

LC-1

GP-1

GP-5

GV-3 GV-6 GV-11

LC-2

P-104 MW-104

MW-102 P-102

GP-8

GV-2 GV-7 GV-10

LC-3

GV-1 GV-8 GV-9

P-106 MW-106

MW-108 P-108

MW-112

MW-103 P-103

GP-3

GP-4

P-103D

GP-6

GP-7

P-107D

P-107

MW-107

P-111

MW-111 P-111D

MW-3A MW-3B

BICYCLE PATH

BICYCLE PATH

P-118

P-117

ALTNAU (abandoned)

GAASTRA

P-114 (EHSTER)

CHARLES STREET

SOUTH KORO ROAD

P-116 (HADEL)

BANECK

P-115 (WIESE)

MILLER (abandoned)

ROHDE

P-113A

P-113B

EXPLANATION

P-104 / MW-104 — MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION

LC-2 — LEACHATE HEAD WELL LOCATION, DESIGNATION

OUTLINE OF CLOSED LANDFILL

GP-1 — GAS PROBE LOCATION AND DESIGNATION

GV-1 — GAS VENT LOCATION AND DESIGNATION

SCALE

0 800

Feet

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

S:\CAD\RIPON\SEPTEMBER 2018\SITE LAYOUT_9-20-18.DWG

FF/NN LANDFILL
RIPON, WISCONSIN

SITE LAYOUT

DATE:	9/20/18
DESIGNED:	AAW
CHECKED:	AAW
APPROVED:	MRN
DRAWN:	CMP
PROJ.:	117-2202061

TETRA TECH

Figure 1

N

WASHKOVICK

SCHROEDER

CO TRUNK HWY PP

CTY HWY FF

GP-10 GP-11 P-101 MW-101 GP-12

GP-2 GV-4 LC-1 GV-5 GV-12 GP-1

GV-3 GV-6 GV-11 GP-5

LC-2 P-104 MW-104 MW-102 P-102

GP-8 GV-2 GV-7 GV-10 LC-3

GV-1 GV-8 GV-9 P-106 MW-106

MW-112 MW-103 P-103 GP-3 GP-4

GP-6 P-103D 822.13 GP-7

P-107D P-107 MW-107

MW-108 P-108

MW-111 P-111 P-111D 820.69

P-118 817.69

P-117 817.75

BICYCLE PATH

BICYCLE PATH

MW-3A MW-3B 819.94

ALTNAU (abandoned)

SOUTH KORO ROAD

GAASTRA

(EHSTER) P-114 818.92

CHARLES STREET

(HADEL) BANECK

P-116 818.43

(WIESE) P-115 818.99

MILLER (abandoned)

ROHDE

P-113A P-113B 818.73

LAYER 3 DIRECTION OF FLOW

819 819.5 820 820.5 821 821.5 822

818.5 818 821.5 821 820.5 820 819.5 819 818.5 818

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

EXPLANATION

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

SCALE

0 800

Feet

S:\CAD\RIPON\SEPTEMBER 2018\GE ELEVATIONS LAYER 3 AUGUST 2018_9-20-18.DWG

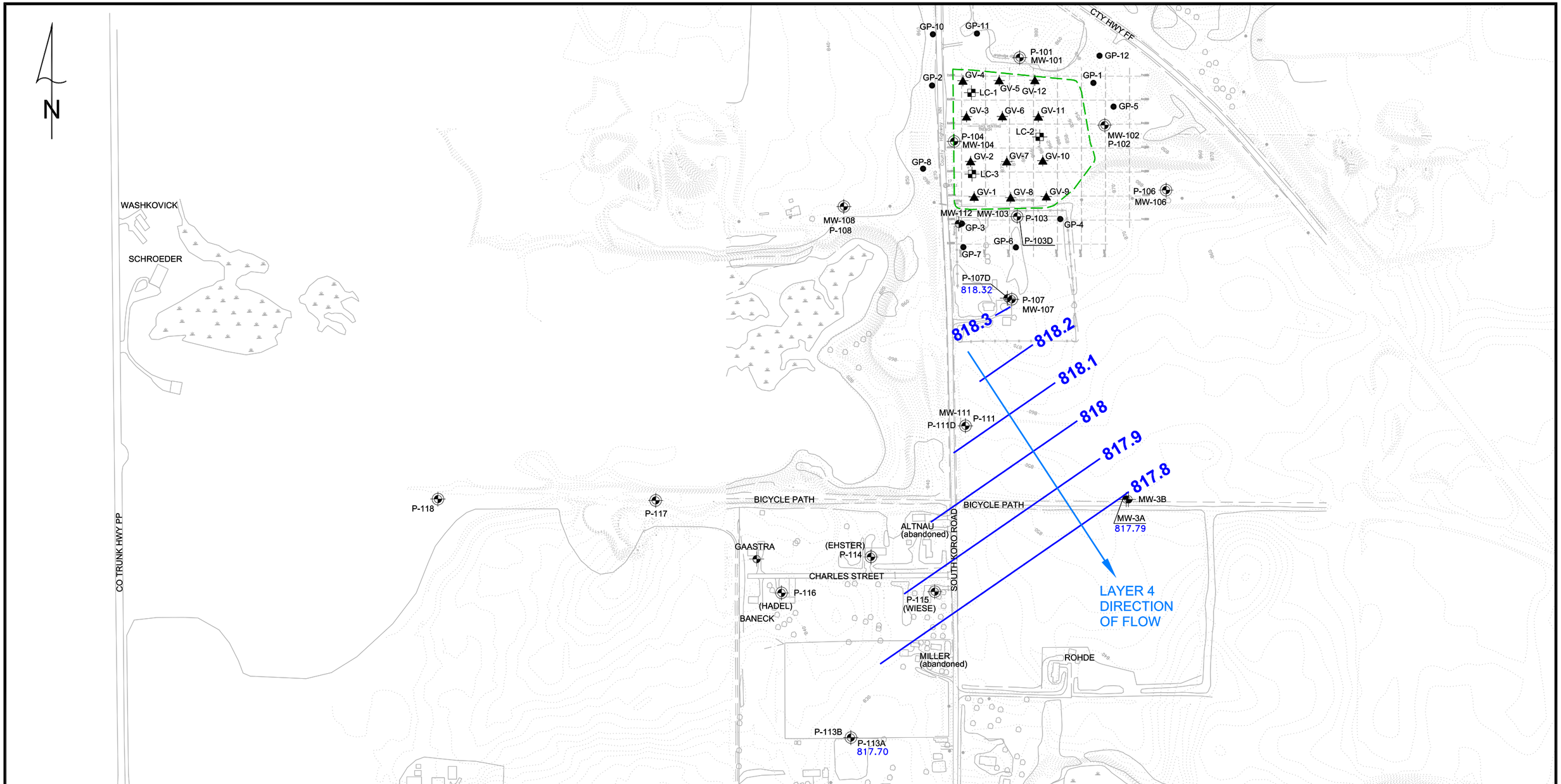
FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 3 WELLS
AUGUST 2018

TETRA TECH

DATE:	9/20/18
DESIGNED:	AAW
CHECKED:	AAW
APPROVED:	MRN
DRAWN:	CMP
PROJ.:	117-2202061

Figure 3



EXPLANATION

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

SCALE
0 800
Feet

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

S:\CAD\RIPON\SEPTEMBER 2018\GE ELEVATIONS LAYER 4 AUGUST 2018_9-20-18.DWG

FF/NN LANDFILL
RIPON, WISCONSIN

GROUNDWATER ELEVATIONS
LAYER 4 WELLS
AUGUST 2018

DATE:	9/20/18
DESIGNED:	AAW
CHECKED:	AAW
APPROVED:	MRN
DRAWN:	CMP
PROJ.:	117-2202061

TETRA TECH

Figure 4

CHARTS

Chart 3: Layer 3 Historic Water Level Data

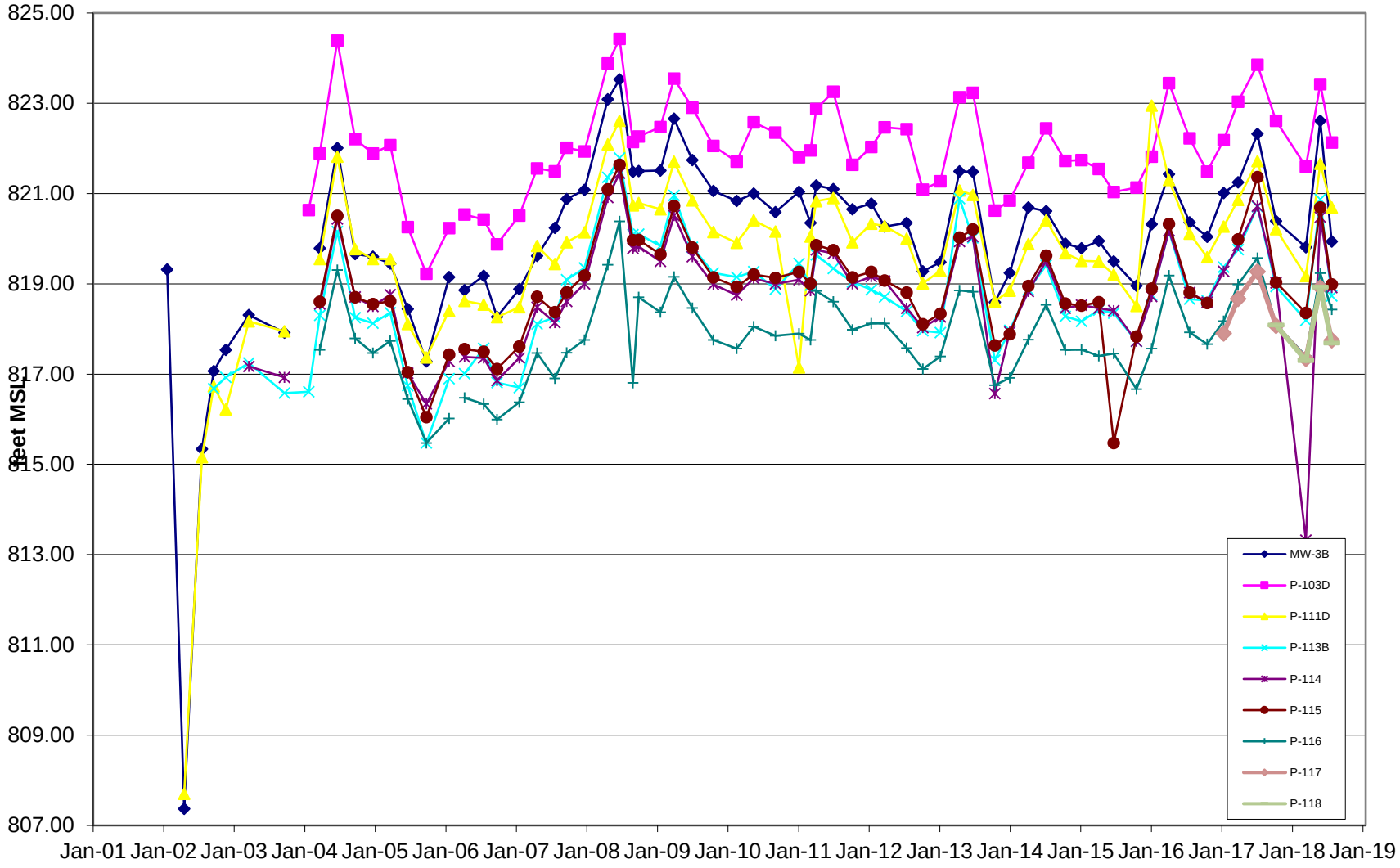


Chart 4: Layer 4 Historic Water Level Data

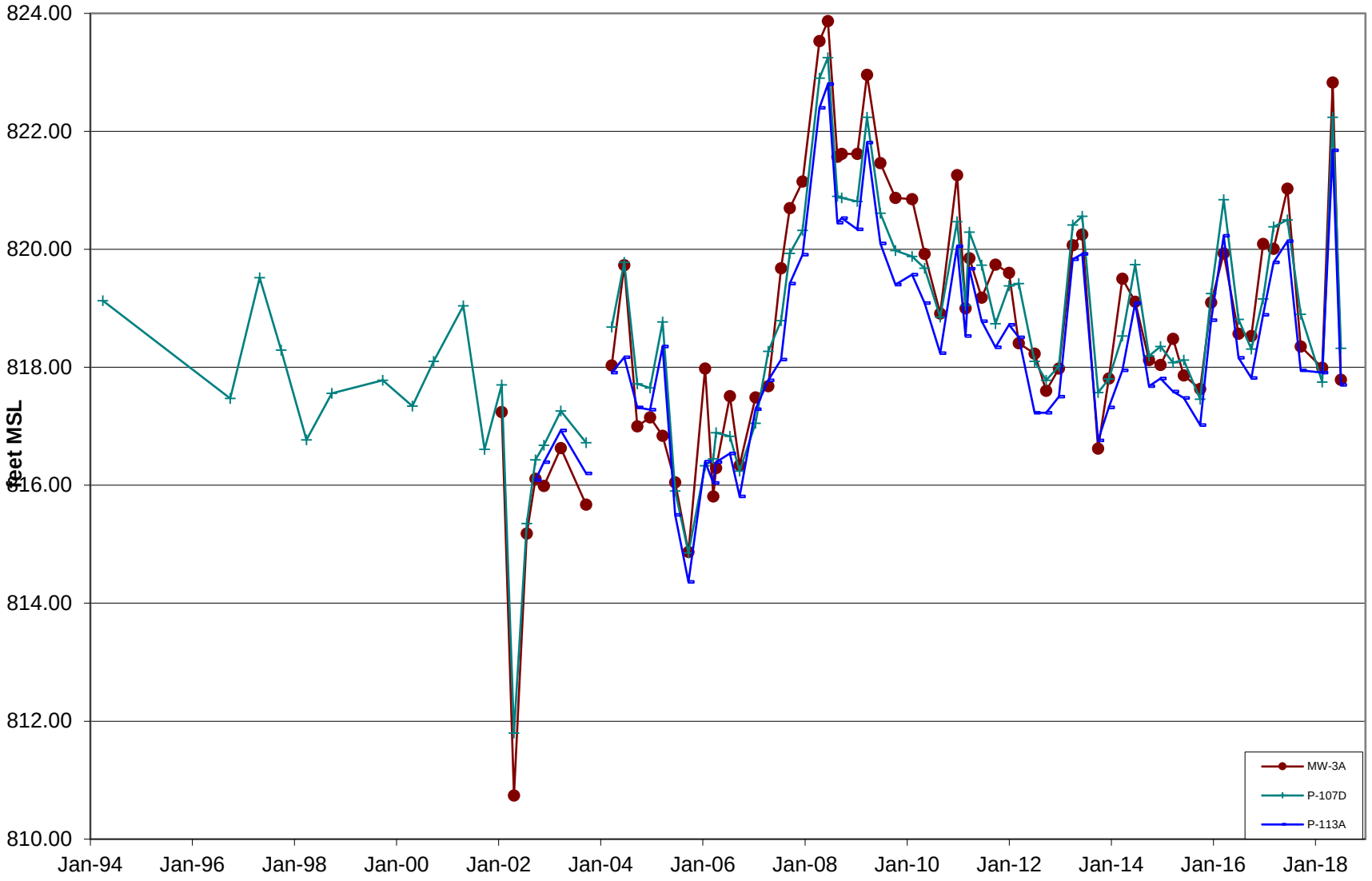


Chart 53: P-103D
Layer 3 Well

10' Down gradient

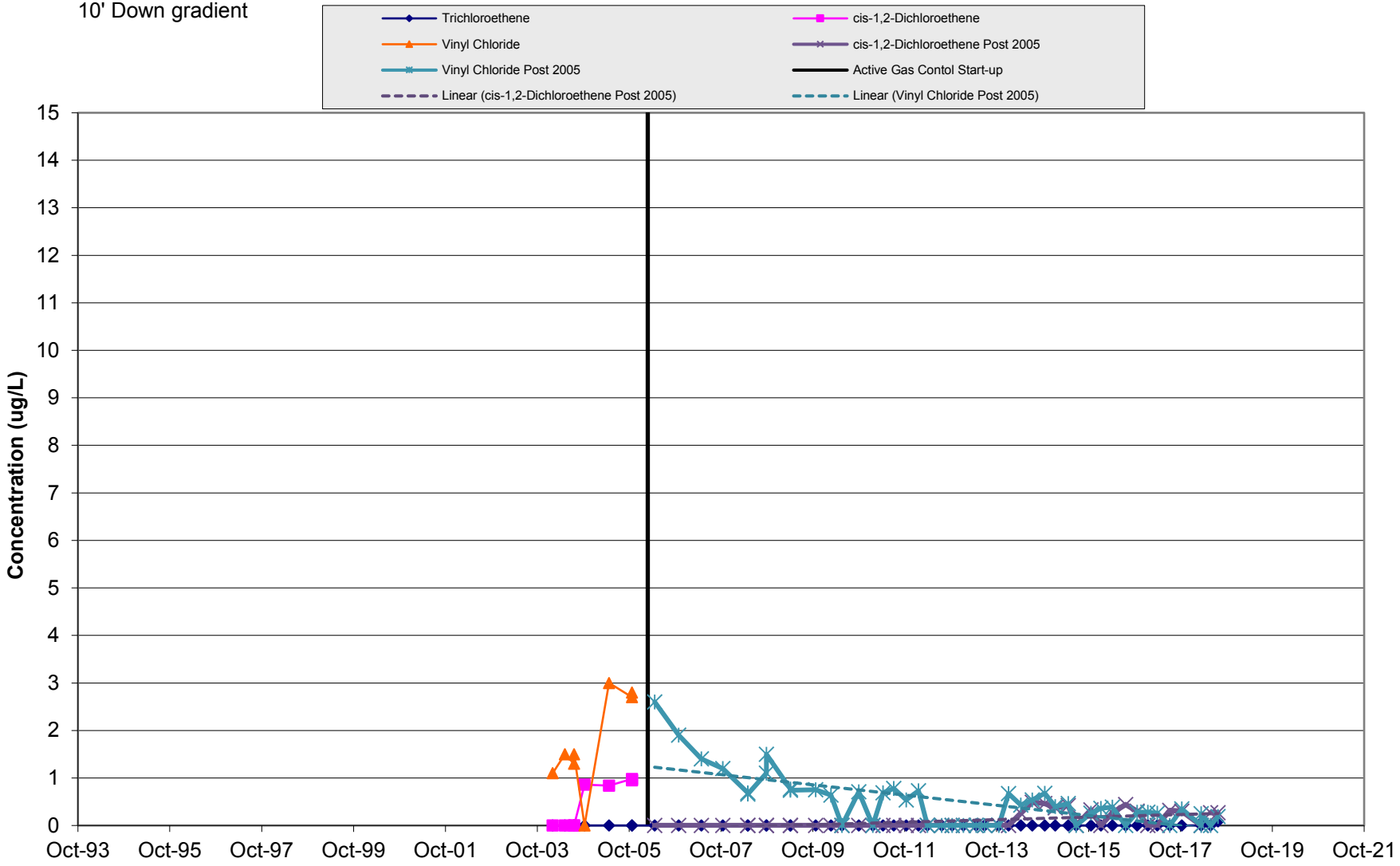


Chart 54: P-111D
Layer 3 Well

900' Down gradient

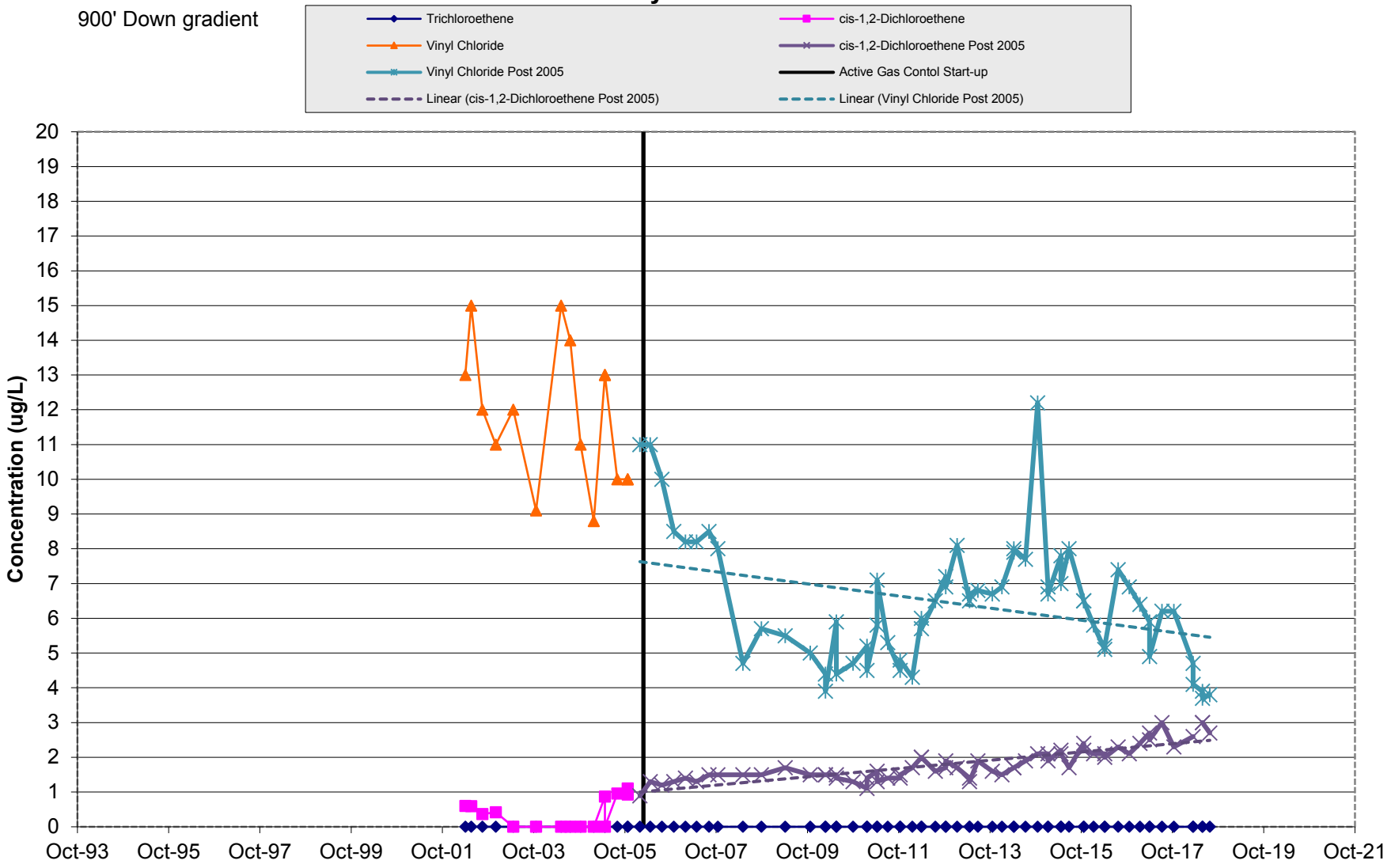


Chart 55: MW-3B
Layer 3 Well

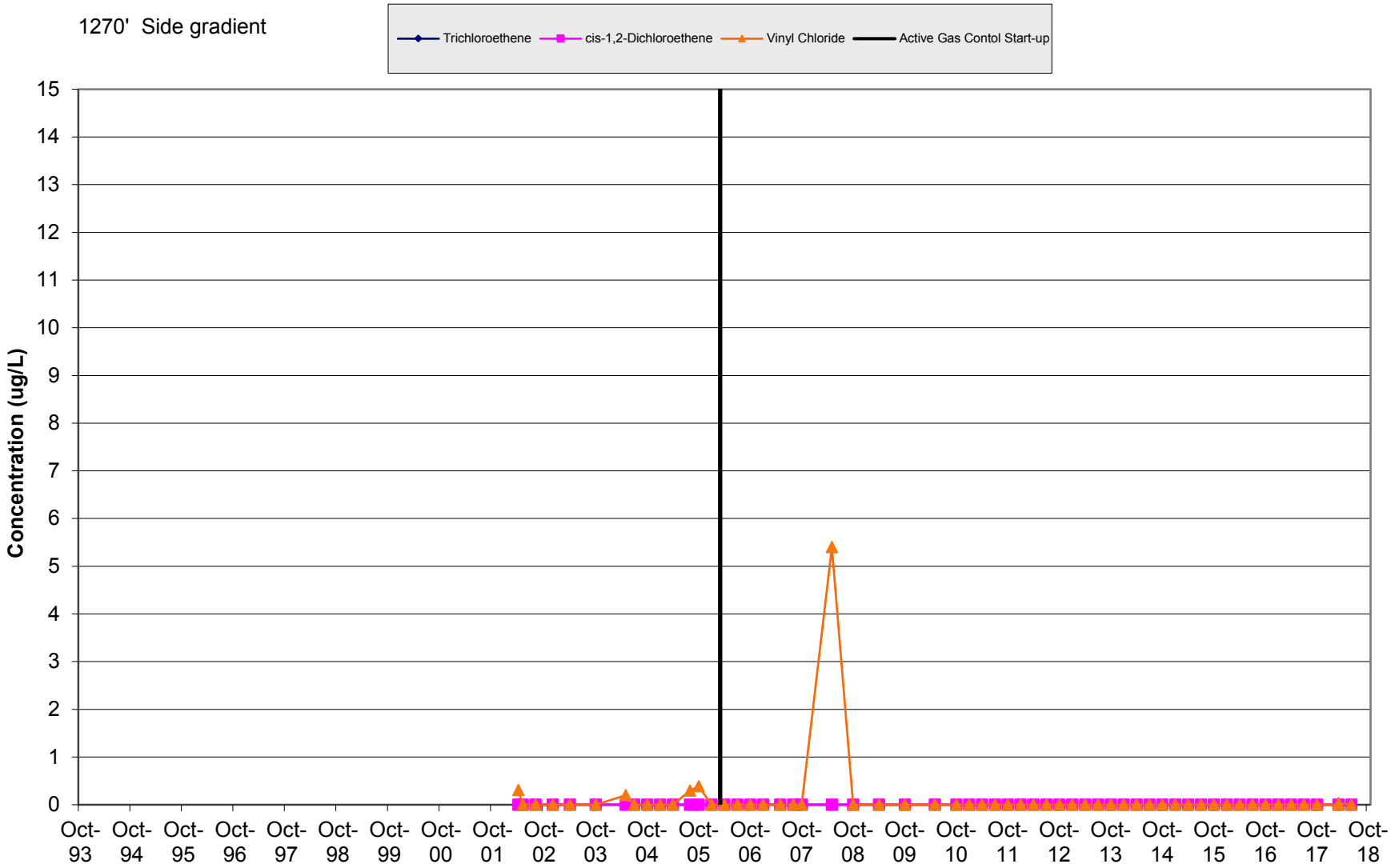


Chart 57: P-114
Layer 3 Well

1550' Down gradient

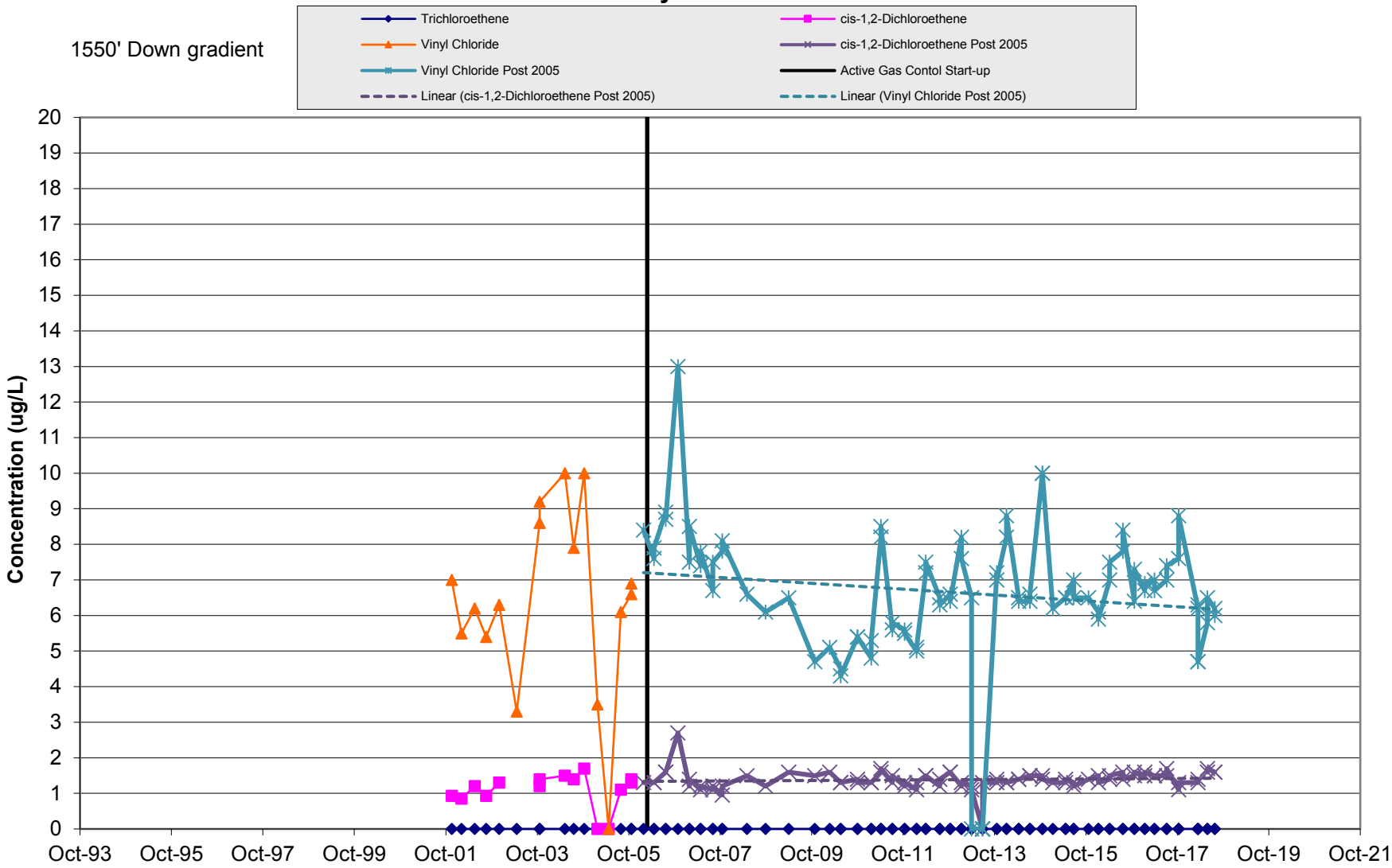


Chart 58: P-115
Layer 3 Well

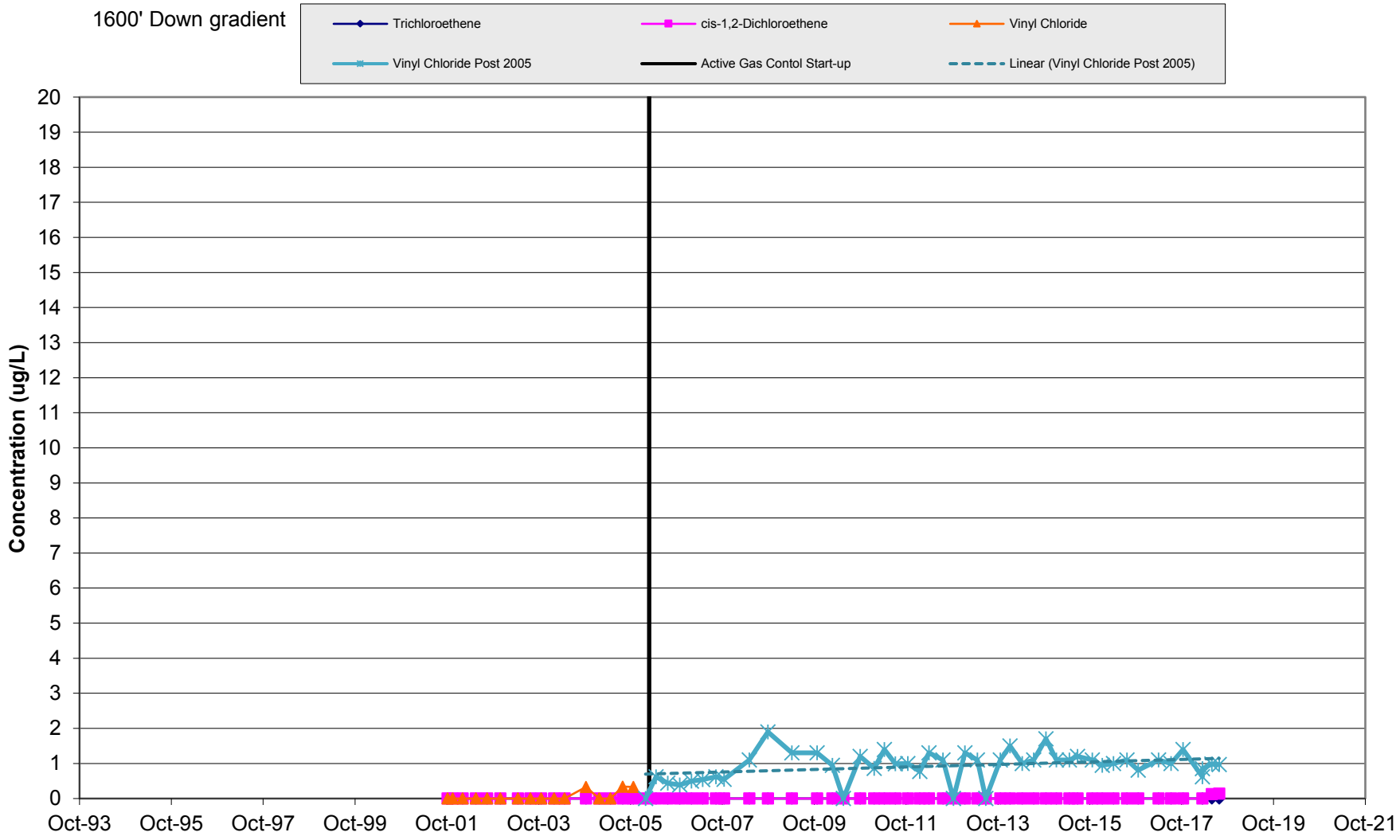


Chart 60: P-117
Layer 3 Well

1975' Downgradient

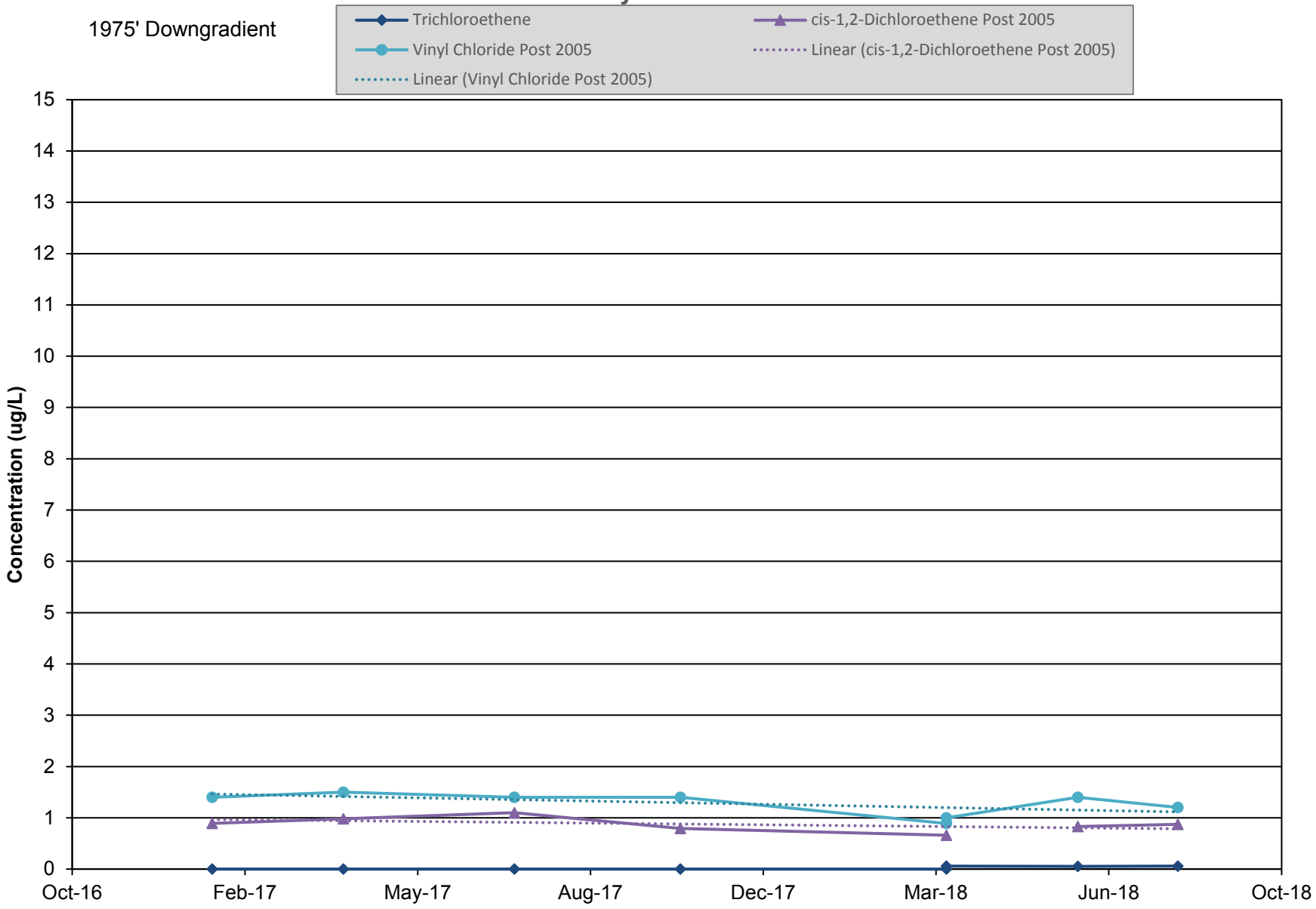
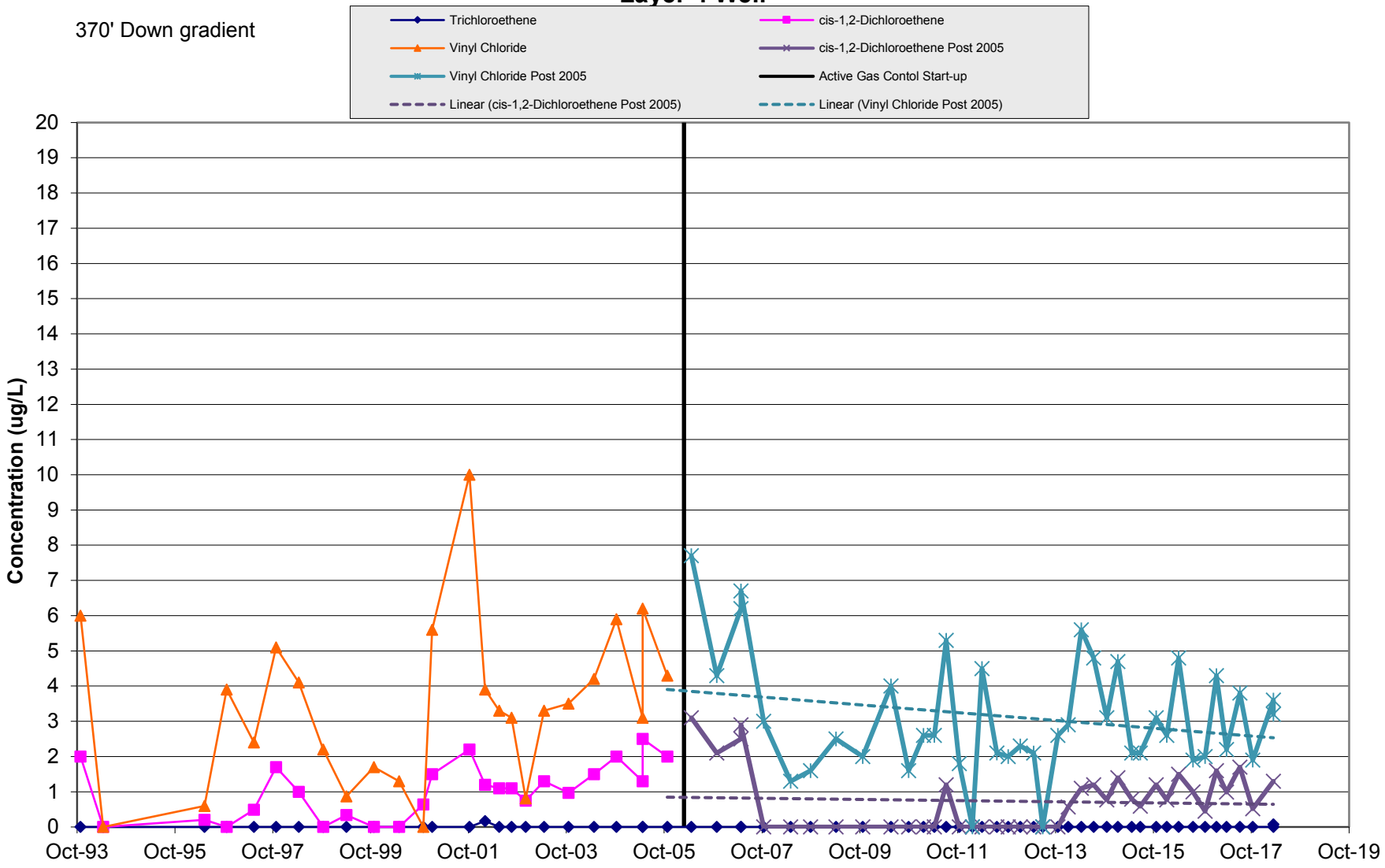


Chart 63: P-107D
Layer 4 Well

370' Down gradient



ATTACHMENTS

ATTACHMENT A
STRATIGRAPHIC GROUPING TABLE

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
	P-117	673.7	sandstone
	P-118	665.5	dolomite
Layer 4 wells	MW-3A	570.0	sandstone
	P-107D	544.0	granite
	P-113A	507.8	sandstone

p:\ripon landfill\Stratigraphic groupings table.xls, Layers

ATTACHMENT B
LABORATORY ANALYTICAL RESULTS

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

CT LABORATORIES
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CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TETRA TECH
ASHLEY WAGNER
175 N. CORPORATE DR.
SUITE 100
BROOKFIELD, WI 53045

Copy: SEE LIST

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Contract #: 3183
Project #: 117-2202061.01
Folder #: 138406
Purchase Order #:

Arrival Temperature: 4.1
Report Date: 08/23/2018
Date Received: 08/08/2018
Reprint Date: 08/24/2018

CT LAB Sample#: 162199 Sample Description: P-103D License/Well #: 00467/141 Sampled: 08/02/2018 0950

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.63**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**50.78**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-49**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**726**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**822.30**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**6.88**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.5**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 19:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162199 Sample Description: P-103D License/Well #: 00467/141 Sampled: 08/02/2018 0950

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 19:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 19:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 19:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 19:00	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 19:00	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:00	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 19:00	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 19:00	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 19:00	RLD	EPA 8260C
Benzene	**0.031**	ug/L	0.018 *	0.059	1			08/15/2018 19:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162199 Sample Description: P-103D License/Well #: 00467/141 Sampled: 08/02/2018 0950

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:00	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 19:00	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 19:00	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1	Y		08/15/2018 19:00	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 19:00	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:00	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:00	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:00	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:00	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.27**	ug/L	0.070	0.23	1			08/15/2018 19:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 19:00	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:00	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:00	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:00	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:00	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:00	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:00	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162199 Sample Description: P-103D License/Well #: 00467/141 Sampled: 08/02/2018 0950

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:00	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:00	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:00	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:00	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 19:00	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 19:00	RLD	EPA 8260C
Trichloroethene	**0.089**	ug/L	0.050 *	0.17	1			08/15/2018 19:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 19:00	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 19:00	RLD	EPA 8260C
Vinyl chloride	**0.19**	ug/L	0.019	0.064	1			08/15/2018 19:00	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:00	RLD	EPA 8260C

CT LAB Sample#: 162200 Sample Description: P-107D License/Well #: 00467/119 Sampled: 08/02/2018 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**5.81**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**53.58**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**8**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162200 Sample Description: P-107D License/Well #: 00467/119 Sampled: 08/02/2018 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**544**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**818.40**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.32**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**11.0**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 19:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 19:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 19:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162200 Sample Description: P-107D License/Well #: 00467/119 Sampled: 08/02/2018 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 19:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 19:28	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 19:28	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:28	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 19:28	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 19:28	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 19:28	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 19:28	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:28	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 19:28	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 19:28	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 19:28	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 19:28	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:28	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:28	RLD	EPA 8260C
Chloroethane	**0.35**	ug/L	0.070	0.23	1			08/15/2018 19:28	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:28	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.55**	ug/L	0.070	0.23	1			08/15/2018 19:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 19:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162200 Sample Description: P-107D License/Well #: 00467/119 Sampled: 08/02/2018 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:28	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:28	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:28	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:28	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:28	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:28	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:28	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:28	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:28	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:28	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 19:28	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 19:28	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 19:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162200 Sample Description: P-107D License/Well #: 00467/119 Sampled: 08/02/2018 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 19:28	RLD	EPA 8260C
Vinyl chloride	**1.6**	ug/L	0.019	0.064	1			08/15/2018 19:28	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:28	RLD	EPA 8260C

CT LAB Sample#: 162201 Sample Description: P-111D License/Well #: 00467/130 Sampled: 08/02/2018 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.20**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**34.87**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-76**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**796**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**820.92**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.37**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.3**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 19:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162201 Sample Description: P-111D License/Well #: 00467/130 Sampled: 08/02/2018 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 19:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 19:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:56	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:56	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 19:56	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 19:56	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 19:56	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:56	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 19:56	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 19:56	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 19:56	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 19:56	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162201 Sample Description: P-111D License/Well #: 00467/130 Sampled: 08/02/2018 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 19:56	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 19:56	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 19:56	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 19:56	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:56	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:56	RLD	EPA 8260C
Chloroethane	**0.96**	ug/L	0.070	0.23	1			08/15/2018 19:56	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:56	RLD	EPA 8260C
Chloromethane	**0.048**	ug/L	0.040 *	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	**2.7**	ug/L	0.070	0.23	1			08/15/2018 19:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 19:56	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:56	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:56	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 19:56	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 19:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:56	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 19:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 19:56	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:56	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:56	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 19:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162201 Sample Description: P-111D License/Well #: 00467/130 Sampled: 08/02/2018 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 19:56	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 19:56	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 19:56	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 19:56	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 19:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 19:56	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 19:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 19:56	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 19:56	RLD	EPA 8260C
Vinyl chloride	**3.8**	ug/L	0.019	0.064	1			08/15/2018 19:56	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 19:56	RLD	EPA 8260C

CT LAB Sample#: 162202 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 08/02/2018 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.94**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**32.81**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-81**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162202 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 08/02/2018 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Conductivity (Field)	**531**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**817.96**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**SOME**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.34**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.7**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 20:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 20:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 20:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162202 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 08/02/2018 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 20:24	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 20:24	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 20:24	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:24	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 20:24	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 20:24	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 20:24	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 20:24	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:24	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 20:24	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 20:24	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 20:24	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 20:24	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:24	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:24	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:24	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:24	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 20:24	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 20:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162202 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 08/02/2018 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:24	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:24	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:24	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:24	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:24	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 20:24	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:24	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:24	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:24	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 20:24	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 20:24	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 20:24	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 20:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162202 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 08/02/2018 1155

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.019	ug/L	0.019	0.064	1			08/15/2018 20:24	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:24	RLD	EPA 8260C

CT LAB Sample#: 162203 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 08/02/2018 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.40**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**30.95**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-176**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**623**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**820.09**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**SOME**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.74**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**9.9**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 20:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 20:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162203 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 08/02/2018 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 20:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 20:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 20:52	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 20:52	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:52	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 20:52	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 20:52	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 20:52	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 20:52	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:52	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 20:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162203 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 08/02/2018 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 20:52	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 20:52	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 20:52	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:52	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:52	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:52	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:52	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 20:52	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 20:52	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 20:52	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 20:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:52	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 20:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 20:52	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:52	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:52	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 20:52	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162203 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 08/02/2018 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 20:52	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 20:52	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 20:52	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 20:52	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 20:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 20:52	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 20:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 20:52	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 20:52	RLD	EPA 8260C
Vinyl chloride	**0.038**	ug/L	0.019 *	0.064	1			08/15/2018 20:52	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 20:52	RLD	EPA 8260C

CT LAB Sample#: 162204 Sample Description: P-117 License/Well #: 00467/144 Sampled: 08/02/2018 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.47**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**16.21**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-104**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**698**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162204 Sample Description: P-117 License/Well #: 00467/144 Sampled: 08/02/2018 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Groundwater Elevation (Field)	**817.81**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.36**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.7**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 21:20	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 21:20	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:20	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:20	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 21:20	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:20	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 21:20	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:20	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:20	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:20	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:20	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162204 Sample Description: P-117 License/Well #: 00467/144 Sampled: 08/02/2018 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 21:20	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 21:20	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 21:20	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:20	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 21:20	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 21:20	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 21:20	RLD	EPA 8260C
Benzene	**0.020**	ug/L	0.018 *	0.059	1			08/15/2018 21:20	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:20	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 21:20	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 21:20	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 21:20	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 21:20	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:20	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:20	RLD	EPA 8260C
Chloroethane	**0.30**	ug/L	0.070	0.23	1			08/15/2018 21:20	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:20	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.87**	ug/L	0.070	0.23	1			08/15/2018 21:20	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 21:20	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 21:20	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 21:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162204 Sample Description: P-117 License/Well #: 00467/144 Sampled: 08/02/2018 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:20	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:20	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:20	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:20	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:20	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:20	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:20	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 21:20	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:20	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:20	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:20	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 21:20	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:20	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 21:20	RLD	EPA 8260C
Trichloroethene	**0.058**	ug/L	0.050	0.17	1	*		08/15/2018 21:20	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 21:20	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 21:20	RLD	EPA 8260C
Vinyl chloride	**1.2**	ug/L	0.019	0.064	1			08/15/2018 21:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162204 Sample Description: P-117 License/Well #: 00467/144 Sampled: 08/02/2018 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:20	RLD	EPA 8260C

CT LAB Sample#: 162205 Sample Description: P-118 License/Well #: 00467/145 Sampled: 08/02/2018 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.48**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**9.05**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-89**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**542**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**817.88**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.44**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**11.4**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 21:48	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 21:48	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:48	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:48	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 21:48	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:48	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162205 Sample Description: P-118 License/Well #: 00467/145 Sampled: 08/02/2018 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 21:48	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:48	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:48	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:48	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:48	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 21:48	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 21:48	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 21:48	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:48	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 21:48	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 21:48	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 21:48	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 21:48	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:48	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 21:48	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 21:48	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162205 Sample Description: P-118 License/Well #: 00467/145 Sampled: 08/02/2018 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 21:48	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 21:48	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:48	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:48	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:48	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:48	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:48	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 21:48	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 21:48	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 21:48	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 21:48	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 21:48	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:48	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 21:48	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 21:48	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:48	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:48	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 21:48	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162205 Sample Description: P-118 License/Well #: 00467/145 Sampled: 08/02/2018 1320

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 21:48	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 21:48	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 21:48	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 21:48	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 21:48	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 21:48	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 21:48	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 21:48	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 21:48	RLD	EPA 8260C
Vinyl chloride	**0.070**	ug/L	0.019	0.064	1			08/15/2018 21:48	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 21:48	RLD	EPA 8260C

CT LAB Sample#: 162206 Sample Description: P-113A License/Well #: 00467/136 Sampled: 08/02/2018 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.76**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**15.46**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-91**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**504**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**817.63**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162206 Sample Description: P-113A License/Well #: 00467/136 Sampled: 08/02/2018 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.48**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**12.6**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:16	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 22:16	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:16	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:16	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 22:16	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:16	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 22:16	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:16	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:16	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:16	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:16	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162206 Sample Description: P-113A License/Well #: 00467/136 Sampled: 08/02/2018 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 22:16	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 22:16	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 22:16	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:16	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 22:16	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 22:16	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 22:16	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 22:16	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:16	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 22:16	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 22:16	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 22:16	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 22:16	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:16	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:16	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:16	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:16	RLD	EPA 8260C
Chloromethane	**0.048**	ug/L	0.040	0.13	1	*		08/15/2018 22:16	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:16	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 22:16	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 22:16	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:16	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:16	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162206 Sample Description: P-113A License/Well #: 00467/136 Sampled: 08/02/2018 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:16	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:16	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:16	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:16	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:16	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:16	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 22:16	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:16	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:16	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:16	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 22:16	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:16	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 22:16	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:16	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 22:16	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 22:16	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.064	1			08/15/2018 22:16	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:16	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162206 Sample Description: P-113A License/Well #: 00467/136 Sampled: 08/02/2018 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

CT LAB Sample#: 162207 Sample Description: P-113B License/Well #: 00467/138 Sampled: 08/02/2018 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.57**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**14.43**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-112**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**601**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**818.67**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.56**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.5**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 22:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 22:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162207 Sample Description: P-113B License/Well #: 00467/138 Sampled: 08/02/2018 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 22:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 22:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 22:43	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 22:43	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:43	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 22:43	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 22:43	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 22:43	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 22:43	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:43	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 22:43	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 22:43	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162207 Sample Description: P-113B License/Well #: 00467/138 Sampled: 08/02/2018 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 22:43	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 22:43	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:43	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:43	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:43	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:43	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 22:43	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 22:43	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 22:43	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 22:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:43	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 22:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 22:43	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:43	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:43	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 22:43	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 22:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162207 Sample Description: P-113B License/Well #: 00467/138 Sampled: 08/02/2018 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 22:43	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 22:43	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 22:43	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 22:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 22:43	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 22:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 22:43	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 22:43	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.064	1			08/15/2018 22:43	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 22:43	RLD	EPA 8260C

CT LAB Sample#: 162208 Sample Description: P-116 License/Well #: 00467/143 Sampled: 08/02/2018 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.67**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**27.43**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-79**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**PINKISH**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**488**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**817.91**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162208 Sample Description: P-116 License/Well #: 00467/143 Sampled: 08/02/2018 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
pH (Field)	**7.63**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**11.5**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**SLIGHT**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 23:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 23:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 23:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 23:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162208 Sample Description: P-116 License/Well #: 00467/143 Sampled: 08/02/2018 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 23:11	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 23:11	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:11	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 23:11	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 23:11	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 23:11	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 23:11	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:11	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 23:11	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 23:11	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 23:11	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 23:11	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:11	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:11	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:11	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:11	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 23:11	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 23:11	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:11	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162208 Sample Description: P-116 License/Well #: 00467/143 Sampled: 08/02/2018 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:11	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:11	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:11	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:11	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 23:11	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:11	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:11	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:11	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 23:11	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 23:11	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 23:11	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 23:11	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.064	1			08/15/2018 23:11	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162209 Sample Description: P-114 License/Well #: 00467/140 Sampled: 08/02/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**0.32**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**20.44**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-108**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**681**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**818.91**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.46**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.5**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 23:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 23:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 23:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162209 Sample Description: P-114 License/Well #: 00467/140 Sampled: 08/02/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 23:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 23:39	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 23:39	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:39	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/15/2018 23:39	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/15/2018 23:39	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/15/2018 23:39	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/15/2018 23:39	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:39	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/15/2018 23:39	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/15/2018 23:39	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/15/2018 23:39	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/15/2018 23:39	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:39	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162209 Sample Description: P-114 License/Well #: 00467/140 Sampled: 08/02/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	**0.44**	ug/L	0.070	0.23	1			08/15/2018 23:39	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:39	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	**1.6**	ug/L	0.070	0.23	1			08/15/2018 23:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/15/2018 23:39	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/15/2018 23:39	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 23:39	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/15/2018 23:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:39	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 23:39	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 23:39	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:39	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:39	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 23:39	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 23:39	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 23:39	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 23:39	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 23:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162209 Sample Description: P-114 License/Well #: 00467/140 Sampled: 08/02/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 23:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 23:39	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 23:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 23:39	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 23:39	RLD	EPA 8260C
Vinyl chloride	**6.2**	ug/L	0.019	0.064	1			08/15/2018 23:39	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 23:39	RLD	EPA 8260C

CT LAB Sample#: 162210 Sample Description: P-114 DUP License/Well #: 00467/140 Sampled: 08/02/2018 1530

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/16/2018 00:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/16/2018 00:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162210 Sample Description: P-114 DUP License/Well #: 00467/140 Sampled: 08/02/2018 1530

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/16/2018 00:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/16/2018 00:07	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/16/2018 00:07	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/16/2018 00:07	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:07	RLD	EPA 8260C
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/16/2018 00:07	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/16/2018 00:07	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/16/2018 00:07	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/16/2018 00:07	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:07	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/16/2018 00:07	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/16/2018 00:07	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/16/2018 00:07	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/16/2018 00:07	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162210 Sample Description: P-114 DUP License/Well #: 00467/140 Sampled: 08/02/2018 1530

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:07	RLD	EPA 8260C
Chloroethane	**0.28**	ug/L	0.070	0.23	1			08/16/2018 00:07	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:07	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	**1.6**	ug/L	0.070	0.23	1			08/16/2018 00:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/16/2018 00:07	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/16/2018 00:07	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:07	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:07	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:07	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:07	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:07	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/16/2018 00:07	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:07	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:07	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162210 Sample Description: P-114 DUP License/Well #: 00467/140 Sampled: 08/02/2018 1530

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/16/2018 00:07	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/16/2018 00:07	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/16/2018 00:07	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/16/2018 00:07	RLD	EPA 8260C
Vinyl chloride	**6.0**	ug/L	0.019	0.064	1			08/16/2018 00:07	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:07	RLD	EPA 8260C

CT LAB Sample#: 162211 Sample Description: P-115 License/Well #: 00467/142 Sampled: 08/02/2018 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Dissolved Oxygen (Field)	**1.65**	mg/L	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Depth to Groundwater (Field)	**23.68**	Feet	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
OX/REDOX (Field)	**-105**	MV	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Color (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Conductivity (Field)	**576**	umhos/cm	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Groundwater Elevation (Field)	**819.03**	Feet MSL	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Odor (Field)	**NONE**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
pH (Field)	**7.54**	S.U.	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Temperature (Field)	**10.5**	Deg. C	N/A	N/A	1			08/02/2018 00:00	BMS	FIELD
Turbidity (Field)	**CLEAR**		N/A	N/A	1			08/02/2018 00:00	BMS	FIELD

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162211 Sample Description: P-115 License/Well #: 00467/142 Sampled: 08/02/2018 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/16/2018 00:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/16/2018 00:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/16/2018 00:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:35	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/16/2018 00:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/16/2018 00:35	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/16/2018 00:35	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:35	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162211 Sample Description: P-115 License/Well #: 00467/142 Sampled: 08/02/2018 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Hexanone	<0.24	ug/L	0.24	0.81	1			08/16/2018 00:35	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24	0.82	1			08/16/2018 00:35	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30	1.0	1			08/16/2018 00:35	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018	0.059	1			08/16/2018 00:35	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:35	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030	0.099	1			08/16/2018 00:35	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016	0.054	1			08/16/2018 00:35	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080	0.28	1			08/16/2018 00:35	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070	0.25	1			08/16/2018 00:35	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:35	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:35	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:35	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:35	RLD	EPA 8260C
Chloromethane	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	**0.14**	ug/L	0.070 *	0.23	1			08/16/2018 00:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011	0.038	1			08/16/2018 00:35	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030	0.10	1			08/16/2018 00:35	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060	0.19	1			08/16/2018 00:35	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040	0.15	1			08/16/2018 00:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:35	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162211 Sample Description: P-115 License/Well #: 00467/142 Sampled: 08/02/2018 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/16/2018 00:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/16/2018 00:35	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:35	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:35	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/16/2018 00:35	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/16/2018 00:35	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/16/2018 00:35	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/16/2018 00:35	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/16/2018 00:35	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/16/2018 00:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/16/2018 00:35	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/16/2018 00:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/16/2018 00:35	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/16/2018 00:35	RLD	EPA 8260C
Vinyl chloride	**0.97**	ug/L	0.019	0.064	1			08/16/2018 00:35	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/16/2018 00:35	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162212 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 08/02/2018

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.050	ug/L	0.050	0.17	1			08/15/2018 18:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.017	ug/L	0.017	0.057	1			08/15/2018 18:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.050	ug/L	0.050	0.16	1			08/15/2018 18:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.060	ug/L	0.060	0.19	1			08/15/2018 18:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.060	ug/L	0.060	0.20	1			08/15/2018 18:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.060	ug/L	0.060	0.19	1			08/15/2018 18:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	ug/L	0.040	0.14	1			08/15/2018 18:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 18:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.040	ug/L	0.040	0.12	1			08/15/2018 18:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.090	ug/L	0.090	0.29	1			08/15/2018 18:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.070	ug/L	0.070	0.23	1			08/15/2018 18:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.050	ug/L	0.050	0.18	1			08/15/2018 18:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.070	ug/L	0.070	0.23	1			08/15/2018 18:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 18:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
1,4-Dioxane	<7.0	ug/L	7.0	23	1			08/15/2018 18:04	RLD	EPA 8260C
2,2-Dichloropropane	<0.050	ug/L	0.050	0.15	1			08/15/2018 18:04	RLD	EPA 8260C
2-Butanone	<0.50	ug/L	0.50	1.5	1			08/15/2018 18:04	RLD	EPA 8260C
2-Chlorotoluene	<0.030	ug/L	0.030	0.11	1			08/15/2018 18:04	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162212 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 08/02/2018

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Hexanone	<0.24	ug/L	0.24		0.81	1			08/15/2018 18:04	RLD	EPA 8260C
4-Chlorotoluene	<0.040	ug/L	0.040		0.12	1			08/15/2018 18:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.24	ug/L	0.24		0.82	1			08/15/2018 18:04	RLD	EPA 8260C
Acetone	<0.30	ug/L	0.30		1.0	1			08/15/2018 18:04	RLD	EPA 8260C
Benzene	<0.018	ug/L	0.018		0.059	1			08/15/2018 18:04	RLD	EPA 8260C
Bromobenzene	<0.040	ug/L	0.040		0.15	1			08/15/2018 18:04	RLD	EPA 8260C
Bromochloromethane	<0.030	ug/L	0.030		0.099	1			08/15/2018 18:04	RLD	EPA 8260C
Bromodichloromethane	<0.016	ug/L	0.016		0.054	1			08/15/2018 18:04	RLD	EPA 8260C
Bromoform	<0.040	ug/L	0.040		0.12	1			08/15/2018 18:04	RLD	EPA 8260C
Bromomethane	<0.080	ug/L	0.080		0.28	1			08/15/2018 18:04	RLD	EPA 8260C
Carbon disulfide	<0.070	ug/L	0.070		0.25	1			08/15/2018 18:04	RLD	EPA 8260C
Carbon tetrachloride	<0.050	ug/L	0.050		0.18	1			08/15/2018 18:04	RLD	EPA 8260C
Chlorobenzene	<0.040	ug/L	0.040		0.15	1			08/15/2018 18:04	RLD	EPA 8260C
Chloroethane	<0.070	ug/L	0.070		0.23	1			08/15/2018 18:04	RLD	EPA 8260C
Chloroform	<0.030	ug/L	0.030		0.11	1			08/15/2018 18:04	RLD	EPA 8260C
Chloromethane	**0.057**	ug/L	0.040	*	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.070	ug/L	0.070		0.23	1			08/15/2018 18:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.011	ug/L	0.011		0.038	1			08/15/2018 18:04	RLD	EPA 8260C
Dibromochloromethane	<0.030	ug/L	0.030		0.10	1			08/15/2018 18:04	RLD	EPA 8260C
Dibromomethane	<0.050	ug/L	0.050		0.17	1			08/15/2018 18:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.060	ug/L	0.060		0.19	1			08/15/2018 18:04	RLD	EPA 8260C
Diisopropyl ether	<0.040	ug/L	0.040		0.14	1			08/15/2018 18:04	RLD	EPA 8260C
Ethylbenzene	<0.040	ug/L	0.040		0.15	1			08/15/2018 18:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.050	ug/L	0.050		0.16	1			08/15/2018 18:04	RLD	EPA 8260C
Isopropylbenzene	<0.040	ug/L	0.040		0.12	1			08/15/2018 18:04	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 162212 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 08/02/2018

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
m & p-Xylene	<0.070	ug/L	0.070	0.23	1			08/15/2018 18:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.040	ug/L	0.040	0.12	1			08/15/2018 18:04	RLD	EPA 8260C
Methylene chloride	<0.050	ug/L	0.050	0.16	1			08/15/2018 18:04	RLD	EPA 8260C
n-Butylbenzene	<0.030	ug/L	0.030	0.11	1			08/15/2018 18:04	RLD	EPA 8260C
n-Propylbenzene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
Naphthalene	<0.030	ug/L	0.030	0.10	1			08/15/2018 18:04	RLD	EPA 8260C
o-Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 18:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
sec-Butylbenzene	<0.050	ug/L	0.050	0.16	1			08/15/2018 18:04	RLD	EPA 8260C
Styrene	<0.030	ug/L	0.030	0.11	1			08/15/2018 18:04	RLD	EPA 8260C
tert-Butylbenzene	<0.040	ug/L	0.040	0.14	1			08/15/2018 18:04	RLD	EPA 8260C
Tetrachloroethene	<0.050	ug/L	0.050	0.18	1			08/15/2018 18:04	RLD	EPA 8260C
Tetrahydrofuran	<0.40	ug/L	0.40	1.5	1			08/15/2018 18:04	RLD	EPA 8260C
Toluene	<0.040	ug/L	0.040	0.13	1			08/15/2018 18:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.040	ug/L	0.040	0.14	1			08/15/2018 18:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.019	ug/L	0.019	0.063	1			08/15/2018 18:04	RLD	EPA 8260C
Trichloroethene	<0.050	ug/L	0.050	0.17	1			08/15/2018 18:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.090	ug/L	0.090	0.14	1			08/15/2018 18:04	RLD	EPA 8260C
Vinyl acetate	<0.22	ug/L	0.22	0.73	1			08/15/2018 18:04	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.064	1			08/15/2018 18:04	RLD	EPA 8260C
Total Xylene	<0.040	ug/L	0.040	0.14	1			08/15/2018 18:04	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
Louisiana NELAP (primary) ID# ACC20160002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
Maryland Lab ID# WI00061
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20160002

Preventative Action Limit (PAL) Exceedances

08/24/2018

Location/Landfill: RIPON FF/NN LANDFILL **License #: 00467**

Well Description: *MW-3B*	**Well #: *134***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.038	0.02	0.20	0.019	ug/L

Well Description: *P-103D*	**Well #: *141***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.19	0.02	0.20	0.019	ug/L

Well Description: *P-107D*	**Well #: *119***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	1.6	0.02	0.20	0.019	ug/L

Well Description: *P-111D*	**Well #: *130***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	3.8	0.02	0.20	0.019	ug/L

Well Description: *P-114*	**Well #: *140***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	6.2	0.02	0.20	0.019	ug/L

Well Description: *P-114 DUP*	**Well #: *140***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	6.0	0.02	0.20	0.019	ug/L

Well Description: *P-115*	**Well #: *142***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.97	0.02	0.20	0.019	ug/L

Well Description: *P-117*	**Well #: *144***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	1.2	0.02	0.20	0.019	ug/L

Well Description: *P-118*	**Well #: *145***			**Sample Date**	**08/02/2018**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.070	0.02	0.20	0.019	ug/L

Summary of Detected Organic Compounds

08/24/2018

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Well Description: ***MW-103*** **Well #:** ***112***

Parameter	Sample Date
	6/4/2018
Chloromethane	0.048
cis-1,2-Dichloroethene	0.21
Tetrachloroethene	0.27
trans-1,2-Dichloroethene	0.052
Trichloroethene	1.3

Well Description: ***MW-104*** **Well #:** ***113***

Parameter	Sample Date
	6/4/2018
1,2-Dichlorobenzene	0.042
1,4-Dichlorobenzene	1.6
Benzene	0.099
Chlorobenzene	3.6
Chloroethane	0.50
Chloromethane	0.051
cis-1,2-Dichloroethene	0.12
Dichlorodifluoromethane	0.15
Isopropylbenzene	0.14
Methyl tert-butyl ether	0.055
Vinyl chloride	0.041

Well Description: ***P-106*** **Well #:** ***116***

Parameter	Sample Date
	6/4/2018
Trichloroethene	0.15

Well Description: ***P-107*** **Well #:** ***118***

Parameter	Sample Date
	6/4/2018
Benzene	0.024
cis-1,2-Dichloroethene	0.29
Trichloroethene	0.067
Vinyl chloride	0.58

Well Description: ***P-107D*** **Well #:** ***119***

Parameter	Sample Date	
	8/2/2018	6/4/2018
Chloroethane	0.35	0.86
cis-1,2-Dichloroethene	0.55	0.78
Vinyl chloride	1.6	2.2

Well Description: ***MW-112*** **Well #:** ***121***

Parameter	Sample Date
	6/4/2018
Chlorobenzene	0.12
Chloromethane	0.042
cis-1,2-Dichloroethene	0.081
Tetrachloroethene	0.084
Trichloroethene	0.43

Well Description: ***P-111D*** **Well #:** ***130***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Chloroethane	0.96	1.4
Chloromethane	0.048	
cis-1,2-Dichloroethene	2.7	3.0
Dichlorodifluoromethane		0.065
Vinyl chloride	3.8	3.7

Well Description: ***MW-3A*** **Well #:** ***133***

Parameter	Sample Date
	6/5/2018
Carbon disulfide	0.076

Well Description: ***MW-3B*** **Well #:** ***134***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Carbon disulfide		0.17
Vinyl chloride	0.038	

Well Description: ***P-113A*** **Well #:** ***136***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Chloromethane	0.048	0.090

Well Description: ***P-113B*** **Well #:** ***138***

Parameter	Sample Date
	6/5/2018
Carbon disulfide	0.087
Chloromethane	0.065

Well Description: ***P-114*** **Well #:** ***140***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Carbon disulfide		0.086
Chloroethane	0.28	0.27
cis-1,2-Dichloroethene	1.6	1.6
Dichlorodifluoromethane		0.061
Vinyl chloride	6.0	5.8

Well Description: ***P-103D*** **Well #:** ***141***

Parameter	Sample Date	
	8/2/2018	6/4/2018
Benzene	0.031	0.025
Chloromethane		0.041
cis-1,2-Dichloroethene	0.27	0.27
Trichloroethene	0.089	
Vinyl chloride	0.19	

Well Description: ***P-115*** **Well #:** ***142***

Parameter	Sample Date	
	8/2/2018	6/5/2018
cis-1,2-Dichloroethene	0.14	0.13
Vinyl chloride	0.97	0.98

Well Description: ***P-116*** **Well #:** ***143***

Parameter	Sample Date
	6/5/2018
Carbon disulfide	0.30

Well Description: ***P-117*** **Well #:** ***144***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Benzene	0.020	0.019
Chloroethane	0.30	0.55
Chloromethane		0.044
cis-1,2-Dichloroethene	0.87	0.83
Trichloroethene	0.058	0.053
Vinyl chloride	1.2	1.4

Well Description: ***P-118*** **Well #:** ***145***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Carbon disulfide		0.15
Chloromethane		0.061
Vinyl chloride	0.070	

Well Description: ***LC-1*** **Well #:** ***301***

Parameter	Sample Date
	6/4/2018
1,1,2-Trichloroethane	17
1,2,3-Trichlorobenzene	340
1,2,4-Trimethylbenzene	650
1,3,5-Trimethylbenzene	1400
1,4-Dichlorobenzene	130
Benzene	57
Chlorobenzene	580
Dichlorodifluoromethane	13
Ethylbenzene	620
Isopropylbenzene	360
m & p-Xylene	2100
Naphthalene	1800
n-Butylbenzene	1100
n-Propylbenzene	310
o-Xylene	580
p-Isopropyltoluene	760
Tetrahydrofuran	220
Toluene	85
Total Xylene	2700

Well Description: ***LC-2*** **Well #:** ***302***

Parameter	Sample Date
	6/4/2018
1,2,4-Trimethylbenzene	86
1,3,5-Trimethylbenzene	21
1,4-Dichlorobenzene	18
Acetone	15
Benzene	14
Chlorobenzene	75
Dichlorodifluoromethane	1.4
Diisopropyl ether	1.9
Ethylbenzene	21
Isopropylbenzene	11
m & p-Xylene	530
Methyl tert-butyl ether	1.4
Naphthalene	12
n-Butylbenzene	2.3
n-Propylbenzene	9.8
o-Xylene	1.4
p-Isopropyltoluene	2.6
sec-Butylbenzene	1.2
Tetrahydrofuran	170
Toluene	1.1

Summary of Detected Organic Compounds

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

6/4/2018

Total Xylene	590
Vinyl chloride	0.77

Well Description: ***LC-3*** **Well #:** ***303***

Parameter	Sample Date
	6/4/2018
1,2,4-Trimethylbenzene	2.6
1,3,5-Trimethylbenzene	1.8
1,4-Dichlorobenzene	3.0
Acetone	200
Benzene	0.84
Carbon disulfide	1.2
Chlorobenzene	0.83
Chloromethane	0.52
cis-1,2-Dichloroethene	86
Ethylbenzene	8.0
m & p-Xylene	44
o-Xylene	19
p-Isopropyltoluene	0.64
Tetrachloroethene	0.54
Tetrahydrofuran	40
Toluene	31
Total Xylene	60
trans-1,2-Dichloroethene	0.50
Trichloroethene	5.7
Vinyl chloride	14

Well Description: ***TRIP BLANK*** **Well #:** ***999***

Parameter	Sample Date	
	8/2/2018	6/5/2018
Chloromethane	0.057	0.088

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-101*** **Well ID #:** ***110***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	60.81
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	823.99

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-102*** **Well ID #:** ***111***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	18.61
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	824.44

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-103*** **Well ID #:** ***112***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	4510
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	50.75
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	97
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	821.67
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.509
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.08
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	16.9
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-104*** **Well ID #:** ***113***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	51.23
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	823.92
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	1.124
pH (Field)	**00400**	**S.U.**		
			06/04/2018	6.95
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	16.7
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-103*** **Well ID #:** ***114***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	4540
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	48.92
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	96
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	824.00
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.501
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.08
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	16.76
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-104*** **Well ID #:** ***115***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	51.41
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	824.07

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-106*** **Well ID #:** ***116***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	570
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	54.54
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	<N/A
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	824.37
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.481
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.52
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	10.66
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-107*** **Well ID #:** ***117***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	52.66
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	819.12
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	1.776
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.41
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	16.1
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-107*** **Well ID #:** ***118***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	1080
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	51.25
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	<N/A
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	820.13
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.418
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.37
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	11.8
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-107D*** **Well ID #:** ***119***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	440
			08/02/2018	544
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	49.74
			08/02/2018	53.58
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	<N/A
			08/02/2018	5.81
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	822.24
			08/02/2018	818.40
Odor (Field)	**00001**			
			06/04/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.378
			08/02/2018	8
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.56
			08/02/2018	7.32
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	10.48
			08/02/2018	11.0
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR
			08/02/2018	CLEAR

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-108*** **Well ID #:** ***120***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	26.21
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	819.04

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-112*** **Well ID #:** ***121***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	1920
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	53.93
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	<N/A
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	820.62
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.627
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.14
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	17.81
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-102*** **Well ID #:** ***123***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	18.47
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	824.52

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-108*** **Well ID #:** ***125***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	23.91
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	821.70

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-111*** **Well ID #:** ***127***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	37.78
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	818.68

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-111*** **Well ID #:** ***129***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	37.90
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	818.23

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-111D*** **Well ID #:** ***130***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	2040
			08/02/2018	796
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	34.13
			08/02/2018	34.87
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	1.20
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	821.66
			08/02/2018	820.92
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.433
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.55
			08/02/2018	7.37
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.06
			08/02/2018	10.3
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-101*** **Well ID #:** ***131***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	61.30
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	823.96

Selected Indicators - Trends

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-106*** **Well ID #:** ***132***

Parameter	Parameter code	Units	Sample Date	Results
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	54.45
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	824.45

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-3A*** **Well ID #:** ***133***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	1480
			08/02/2018	531
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	27.94
			08/02/2018	32.81
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	0.94
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	822.83
			08/02/2018	817.96
Odor (Field)	**00001**			
			06/05/2018	WEAK
			08/02/2018	SOME
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.345
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.48
			08/02/2018	7.34
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	11.3
			08/02/2018	10.7
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***MW-3B*** **Well ID #:** ***134***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	300
			08/02/2018	623
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	28.43
			08/02/2018	30.95
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	0.40
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	822.61
			08/02/2018	820.09
Odor (Field)	**00001**			
			06/05/2018	SOME
			08/02/2018	SOME
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.359
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.6
			08/02/2018	7.74
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	9.84
			08/02/2018	9.9
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: RIPON FF/NN LANDFILL **License #:** 467

Sample Location: *P-113A* **Well ID #:** *136*

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	920
			08/02/2018	504
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	11.41
			08/02/2018	15.46
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	1.76
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	821.68
			08/02/2018	817.63
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.232
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.57
			08/02/2018	7.48
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	12.47
			08/02/2018	12.6
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-113B*** **Well ID #:** ***138***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	640
			08/02/2018	601
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	12.23
			08/02/2018	14.43
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	0.57
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	820.87
			08/02/2018	818.67
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.215
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.67
			08/02/2018	7.56
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.35
			08/02/2018	10.5
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-114*** **Well ID #:** ***140***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	280
			08/02/2018	681
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	18.87
			08/02/2018	20.44
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	0.32
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	820.48
			08/02/2018	818.91
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.328
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.7
			08/02/2018	7.46
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.33
			08/02/2018	10.5
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-103D*** **Well ID #:** ***141***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/04/2018	600
			08/02/2018	726
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/04/2018	49.65
			08/02/2018	50.78
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/04/2018	<N/A
			08/02/2018	0.63
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/04/2018	823.43
			08/02/2018	822.30
Odor (Field)	**00001**			
			06/04/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.439
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.38
			08/02/2018	6.88
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	10.67
			08/02/2018	10.5
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-115*** **Well ID #:** ***142***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	240
			08/02/2018	576
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	22.01
			08/02/2018	23.68
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	1.65
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	820.70
			08/02/2018	819.03
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.323
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.77
			08/02/2018	7.54
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.51
			08/02/2018	10.5
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-116*** **Well ID #:** ***143***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	GRAYISH
			08/02/2018	PINKISH
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	1680
			08/02/2018	488
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	26.10
			08/02/2018	27.43
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	1.67
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	819.24
			08/02/2018	817.91
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.243
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.79
			08/02/2018	7.63
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	11.67
			08/02/2018	11.5
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	SLIGHT

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-117*** **Well ID #:** ***144***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	680
			08/02/2018	698
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	15.10
			08/02/2018	16.21
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	0.47
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	818.92
			08/02/2018	817.81
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.277
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.48
			08/02/2018	7.36
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.36
			08/02/2018	10.7
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***P-118*** **Well ID #:** ***145***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR
Conductivity (Field)	**00094**	**umhos/cm**		
			06/05/2018	280
			08/02/2018	542
Depth to Groundwater (Field)	**72002**	**Feet**		
			06/05/2018	8.00
			08/02/2018	9.05
Dissolved Oxygen (Field)	**00299**	**mg/L**		
			06/05/2018	<N/A
			08/02/2018	1.48
Groundwater Elevation (Field)	**04189**	**Feet MSL**		
			06/05/2018	818.93
			08/02/2018	817.88
Odor (Field)	**00001**			
			06/05/2018	NONE
			08/02/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/05/2018	0.205
			08/02/2018	<N/A
pH (Field)	**00400**	**S.U.**		
			06/05/2018	7.55
			08/02/2018	7.44
Temperature (Field)	**00010**	**Deg. C**		
			06/05/2018	10.6
			08/02/2018	11.4
Turbidity (Field)	**00003**			
			06/05/2018	CLEAR
			08/02/2018	CLEAR

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **467**

Sample Location: ***ROHDE*** **Well ID #:** ***207***

Parameter	Parameter code	Units	Sample Date	Results
Color (Field)	**00002**			
			06/04/2018	CLEAR
Odor (Field)	**00001**			
			06/04/2018	NONE
OX/REDOX (Field)	**00090**	**MV**		
			06/04/2018	0.59
pH (Field)	**00400**	**S.U.**		
			06/04/2018	7.81
Temperature (Field)	**00010**	**Deg. C**		
			06/04/2018	15.28
Turbidity (Field)	**00003**			
			06/04/2018	CLEAR

Selected Indicators - Summary

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **00467** 08/24/2018

Sample Date		Sample ID					
		MW-3A	MW-3B	P-103D	P-107D	P-111D	P-113A
08/02/2018	Color (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
	Conductivity (Field)	531	623	726	544	796	504
	Depth to Groundwater	32.81	30.95	50.78	53.58	34.87	15.46
	Groundwater Elevation	817.96	820.09	822.30	818.40	820.92	817.63
	Odor (Field)	SOME	SOME	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	<N/A	<N/A	<N/A	8	<N/A	<N/A
	pH (Field)	7.34	7.74	6.88	7.32	7.37	7.48
	T/D Oxygen (Field)	0.94	0.40	0.63	5.81	1.20	1.76
	Temperature (Field)	10.7	9.9	10.5	11.0	10.3	12.6
	Turbidity (Field)	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR

		P-113B	P-114	P-115	P-116	P-117	P-118
08/02/2018	Color (Field)	CLEAR	CLEAR	CLEAR	PINKISH	CLEAR	CLEAR
	Conductivity (Field)	601	681	576	488	698	542
	Depth to Groundwater	14.43	20.44	23.68	27.43	16.21	9.05
	Groundwater Elevation	818.67	818.91	819.03	817.91	817.81	817.88
	Odor (Field)	NONE	NONE	NONE	NONE	NONE	NONE
	OX/REDOX (Field)	<N/A	<N/A	<N/A	<N/A	<N/A	<N/A
	pH (Field)	7.56	7.46	7.54	7.63	7.36	7.44
	T/D Oxygen (Field)	0.57	0.32	1.65	1.67	0.47	1.48
	Temperature (Field)	10.5	10.5	10.5	11.5	10.7	11.4
	Turbidity (Field)	CLEAR	CLEAR	CLEAR	SLIGHT	CLEAR	CLEAR

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QC SUMMARY REPORT

TETRA TECH **Project Name: RIPON FF/NN LANDFILL**

SDG #: 0 **Folder #: 138406** **Project #: 117-2202061.01**

Lab Control Spike Water

Analytical Run #:	152181	Analysis Date:	08/15/2018	Prep Batch #:		Matrix:	LIQUID
CTLab #:	165315	Analysis Time:	15:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.90	ug/L			4.00	98	78 --- 121		20
1,1,1-Trichloroethane	4.30	ug/L			4.00	108	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.75	ug/L			4.00	94	68 --- 128		20
1,1,2-Trichloroethane	3.75	ug/L			4.00	94	84 --- 114		20
1,1-Dichloroethane	4.14	ug/L			4.00	104	76 --- 122		20
1,1-Dichloroethene	4.31	ug/L			4.00	108	83 --- 123		20
1,1-Dichloropropene	4.28	ug/L			4.00	107	85 --- 120		20
1,2 Dichloroethane-d4	90.0	% Recovery			100	90.0	87 --- 107		
1,2,3-Trichlorobenzene	3.86	ug/L			4.00	96	78 --- 121		20
1,2,3-Trichloropropane	3.42	ug/L			4.00	86	62 --- 129		20
1,2,4-Trichlorobenzene	4.11	ug/L			4.00	103	80 --- 120		20
1,2,4-Trimethylbenzene	4.40	ug/L			4.00	110	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.56	ug/L			4.00	89	69 --- 125		20
1,2-Dibromoethane	3.58	ug/L			4.00	90	80 --- 118		20
1,2-Dichlorobenzene	4.01	ug/L			4.00	100	80 --- 117		20
1,2-Dichloroethane	3.82	ug/L			4.00	96	78 --- 118		20
1,2-Dichloropropane	4.08	ug/L			4.00	102	78 --- 121		20
1,3,5-Trimethylbenzene	4.43	ug/L			4.00	111	76 --- 126		20
1,3-Dichlorobenzene	4.23	ug/L			4.00	106	78 --- 119		20
1,3-Dichloropropane	3.73	ug/L			4.00	93	82 --- 117		20
1,4-Dichlorobenzene	4.21	ug/L			4.00	105	77 --- 118		20
1,4-Dioxane	202	ug/L			200	101	11 --- 220		20
2,2-Dichloropropane	4.79	ug/L			4.00	120	71 --- 133		20
2-Butanone	35.5	ug/L			40.0	89	80 --- 120		20
2-Chlorotoluene	4.25	ug/L			4.00	106	73 --- 124		20
2-Hexanone	37.4	ug/L			40.0	94	73 --- 127		20
4-Chlorotoluene	4.35	ug/L			4.00	109	74 --- 125		20
4-Methyl-2-pentanone	35.6	ug/L			40.0	89	77 --- 125		20
Acetone	35.6	ug/L			40.0	89	72 --- 117		20
Benzene	4.22	ug/L			4.00	106	82 --- 118		20
Bromobenzene	4.11	ug/L			4.00	103	77 --- 118		20
Bromochloromethane	3.92	ug/L			4.00	98	81 --- 116		20
Bromodichloromethane	3.90	ug/L			4.00	98	80 --- 122		20
Bromofluorobenzene	100	% Recovery			100	100	90 --- 108		
Bromoform	3.73	ug/L			4.00	93	72 --- 124		20

Lab Control Spike Water

Analytical Run #:	152181	Analysis Date:	08/15/2018	Prep Batch #:		Matrix:	LIQUID
CTLab #:	165315	Analysis Time:	15:45	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Bromomethane	4.62	ug/L			4.00	116	25 --- 156		20
Carbon disulfide	8.62	ug/L			8.00	108	81 --- 124		20
Carbon tetrachloride	4.35	ug/L			4.00	109	87 --- 129		20
Chlorobenzene	4.20	ug/L			4.00	105	78 --- 118		20
Chloroethane	4.10	ug/L			4.00	102	73 --- 126		20
Chloroform	4.15	ug/L			4.00	104	76 --- 119		20
Chloromethane	4.39	ug/L			4.00	110	70 --- 121		20
cis-1,2-Dichloroethene	4.21	ug/L			4.00	105	82 --- 118		20
cis-1,3-Dichloropropene	4.00	ug/L			4.00	100	81 --- 123		20
d8-Toluene	100	% Recovery			100	100	93 --- 108		
Dibromochloromethane	4.01	ug/L			4.00	100	76 --- 124		20
Dibromofluoromethane	96.0	% Recovery			100	96.0	93 --- 106		
Dibromomethane	3.78	ug/L			4.00	94	83 --- 115		20
Dichlorodifluoromethane	4.25	ug/L			4.00	106	78 --- 126		20
Diisopropyl ether	4.06	ug/L			4.00	102	75 --- 125		20
Ethylbenzene	4.41	ug/L			4.00	110	78 --- 125		20
Hexachlorobutadiene	3.84	ug/L			4.00	96	79 --- 123		20
Isopropylbenzene	4.51	ug/L			4.00	113	81 --- 124		20
m & p-Xylene	8.82	ug/L			8.00	110	80 --- 123		20
Methyl tert-butyl ether	3.70	ug/L			4.00	92	82 --- 116		20
Methylene chloride	6.97	ug/L			4.00	174	73 --- 128		20
n-Butylbenzene	4.32	ug/L			4.00	108	76 --- 127		20
n-Propylbenzene	4.49	ug/L			4.00	112	75 --- 129		20
Naphthalene	3.77	ug/L			4.00	94	64 --- 129		20
o-Xylene	4.39	ug/L			4.00	110	81 --- 121		20
p-Isopropyltoluene	4.53	ug/L			4.00	113	79 --- 126		20
sec-Butylbenzene	4.51	ug/L			4.00	113	76 --- 128		20
Styrene	4.40	ug/L			4.00	110	81 --- 122		20
tert-Butylbenzene	4.48	ug/L			4.00	112	76 --- 125		20
Tetrachloroethene	4.33	ug/L			4.00	108	82 --- 123		20
Tetrahydrofuran	33.9	ug/L			40.0	85	69 --- 122		20
Toluene	4.15	ug/L			4.00	104	82 --- 119		20
trans-1,2-Dichloroethene	4.42	ug/L			4.00	110	80 --- 122		20
trans-1,3-Dichloropropene	3.85	ug/L			4.00	96	83 --- 119		20
Trichloroethene	4.15	ug/L			4.00	104	82 --- 120		20
Trichlorofluoromethane	4.24	ug/L			4.00	106	78 --- 130		20
Vinyl acetate	39.4	ug/L			40.0	98	63 --- 136		20
Vinyl chloride	4.40	ug/L			4.00	110	73 --- 127		20

Method Blank Water

Analytical Run #:	152181	Analysis Date:	08/15/2018	Prep Batch #:		Matrix:	LIQUID
CTLab #:	165314	Analysis Time:	17:36	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.04	ug/L		U	0		0.04		
1,1,1-Trichloroethane	0.05	ug/L		U	0		0.05		
1,1,2,2-Tetrachloroethane	0.017	ug/L		U	0		0.017		
1,1,2-Trichloroethane	0.05	ug/L		U	0		0.05		
1,1-Dichloroethane	0.06	ug/L		U	0		0.06		
1,1-Dichloroethene	0.06	ug/L		U	0		0.06		
1,1-Dichloropropene	0.06	ug/L		U	0		0.06		
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	68 --- 120		
1,2,3-Trichlorobenzene	0.04	ug/L		U	0		0.04		
1,2,3-Trichloropropane	0.04	ug/L		U	0		0.04		
1,2,4-Trichlorobenzene	0.04	ug/L		U	0		0.04		
1,2,4-Trimethylbenzene	0.04	ug/L		U	0		0.04		
1,2-Dibromo-3-chloropropane	0.09	ug/L		U	0		0.09		
1,2-Dibromoethane	0.07	ug/L		U	0		0.07		
1,2-Dichlorobenzene	0.04	ug/L		U	0		0.04		
1,2-Dichloroethane	0.05	ug/L		U	0		0.05		
1,2-Dichloropropane	0.07	ug/L		U	0		0.07		
1,3,5-Trimethylbenzene	0.05	ug/L		U	0		0.05		
1,3-Dichlorobenzene	0.04	ug/L		U	0		0.04		
1,3-Dichloropropane	0.04	ug/L		U	0		0.04		
1,4-Dichlorobenzene	0.04	ug/L		U	0		0.04		
1,4-Dioxane	7	ug/L		U	0		7		
2,2-Dichloropropane	0.05	ug/L		U	0		0.05		
2-Butanone	0.5	ug/L		U	0		0.5		
2-Chlorotoluene	0.03	ug/L		U	0		0.03		
2-Hexanone	0.24	ug/L		U	0		0.24		
4-Chlorotoluene	0.04	ug/L		U	0		0.04		
4-Methyl-2-pentanone	0.24	ug/L		U	0		0.24		
Acetone	0.30	ug/L		U	0		0.30		
Benzene	0.018	ug/L		U	0		0.018		
Bromobenzene	0.04	ug/L		U	0		0.04		
Bromochloromethane	0.030	ug/L		U	0		0.030		
Bromodichloromethane	0.016	ug/L		U	0		0.016		
Bromofluorobenzene	100	% Recovery			100	100	68 --- 120		
Bromoform	0.04	ug/L		U	0		0.04		
Bromomethane	0.08	ug/L		U	0		0.08		
Carbon disulfide	0.07	ug/L		U	0		0.07		
Carbon tetrachloride	0.05	ug/L		U	0		0.05		
Chlorobenzene	0.04	ug/L		U	0		0.04		
Chloroethane	0.07	ug/L		U	0		0.07		
Chloroform	0.03	ug/L		U	0		0.03		
Chloromethane	0.04	ug/L		U	0		0.04		

Method Blank Water

Analytical Run #:	152181	Analysis Date:	08/15/2018	Prep Batch #:		Matrix:	LIQUID
CTLab #:	165314	Analysis Time:	17:36	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.07	ug/L		U	0		0.07		
cis-1,3-Dichloropropene	0.011	ug/L		U	0		0.011		
d8-Toluene	98.0	% Recovery			100	98.0	71 --- 117		
Dibromochloromethane	0.03	ug/L		U	0		0.03		
Dibromofluoromethane	102	% Recovery			100	102	67 --- 122		
Dibromomethane	0.05	ug/L		U	0		0.05		
Dichlorodifluoromethane	0.06	ug/L		U	0		0.06		
Diisopropyl ether	0.04	ug/L		U	0		0.04		
Ethylbenzene	0.04	ug/L		U	0		0.04		
Hexachlorobutadiene	0.05	ug/L		U	0		0.05		
Isopropylbenzene	0.04	ug/L		U	0		0.04		
m & p-Xylene	0.07	ug/L		U	0		0.07		
Methyl tert-butyl ether	0.04	ug/L		U	0		0.04		
Methylene chloride	0.05	ug/L		U	0		0.05		
n-Butylbenzene	0.03	ug/L		U	0		0.03		
n-Propylbenzene	0.04	ug/L		U	0		0.04		
Naphthalene	0.03	ug/L		U	0		0.03		
o-Xylene	0.04	ug/L		U	0		0.04		
p-Isopropyltoluene	0.04	ug/L		U	0		0.04		
sec-Butylbenzene	0.05	ug/L		U	0		0.05		
Styrene	0.03	ug/L		U	0		0.03		
tert-Butylbenzene	0.04	ug/L		U	0		0.04		
Tetrachloroethene	0.05	ug/L		U	0		0.05		
Tetrahydrofuran	0.4	ug/L		U	0		0.4		
Toluene	0.04	ug/L		U	0		0.04		
trans-1,2-Dichloroethene	0.04	ug/L		U	0		0.04		
trans-1,3-Dichloropropene	0.019	ug/L		U	0		0.019		
Trichloroethene	0.05	ug/L		U	0		0.05		
Trichlorofluoromethane	0.09	ug/L		U	0		0.09		
Vinyl acetate	0.22	ug/L		U	0		0.22		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Matrix Spike Duplicate Water

Analytical Run #:	152181	Analysis Date:	08/16/2018	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	165319	Analysis Time:	01:59	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	165316	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.87	ug/L	BDL		4.00	97	67 --- 122	5	21
1,1,1-Trichloroethane	4.26	ug/L	BDL		4.00	106	69 --- 128	6	20
1,1,2,2-Tetrachloroethane	3.59	ug/L	BDL		4.00	90	54 --- 130	8	22
1,1,2-Trichloroethane	3.60	ug/L	BDL		4.00	90	67 --- 116	4	25
1,1-Dichloroethane	4.01	ug/L	BDL		4.00	100	64 --- 124	6	25
1,1-Dichloroethene	4.15	ug/L	BDL		4.00	104	70 --- 130	8	24
1,1-Dichloropropene	4.05	ug/L	BDL		4.00	101	74 --- 127	6	21
1,2 Dichloroethane-d4	94.0	% Recovery			100	94.0	86 --- 106		7
1,2,3-Trichlorobenzene	3.83	ug/L	BDL		4.00	96	56 --- 134	5	31
1,2,3-Trichloropropane	2.82	ug/L	BDL		4.00	70	54 --- 117	0	26
1,2,4-Trichlorobenzene	3.98	ug/L	BDL		4.00	100	56 --- 133	8	29
1,2,4-Trimethylbenzene	4.10	ug/L	BDL		4.00	102	63 --- 132	8	36
1,2-Dibromo-3-chloropropane	3.22	ug/L	BDL		4.00	80	48 --- 121	4	34
1,2-Dibromoethane	3.58	ug/L	BDL		4.00	90	66 --- 114	4	22
1,2-Dichlorobenzene	3.77	ug/L	BDL		4.00	94	63 --- 124	4	23
1,2-Dichloroethane	3.86	ug/L	BDL		4.00	96	60 --- 117	4	21
1,2-Dichloropropane	3.84	ug/L	BDL		4.00	96	67 --- 121	2	19
1,3,5-Trimethylbenzene	4.10	ug/L	BDL		4.00	102	68 --- 130	6	34
1,3-Dichlorobenzene	3.93	ug/L	BDL		4.00	98	66 --- 126	6	22
1,3-Dichloropropane	3.66	ug/L	BDL		4.00	92	67 --- 114	6	23
1,4-Dichlorobenzene	3.90	ug/L	BDL		4.00	98	65 --- 125	9	22
1,4-Dioxane	197	ug/L	BDL		200	98	19 --- 208	12	20
2,2-Dichloropropane	3.91	ug/L	BDL		4.00	98	57 --- 136	7	21
2-Butanone	37.7	ug/L	BDL		40.0	94	67 --- 110	9	29
2-Chlorotoluene	3.93	ug/L	BDL		4.00	98	61 --- 134	6	20
2-Hexanone	38.9	ug/L	BDL		40.0	97	51 --- 128	6	28
4-Chlorotoluene	4.01	ug/L	BDL		4.00	100	65 --- 129	7	22
4-Methyl-2-pentanone	37.4	ug/L	BDL		40.0	94	55 --- 125	5	29
Acetone	36.5	ug/L	BDL		40.0	91	41 --- 101	10	39
Benzene	3.99	ug/L	0.031		4.00	99	71 --- 120	6	17
Bromobenzene	3.71	ug/L	BDL		4.00	93	63 --- 129	3	20
Bromochloromethane	3.90	ug/L	BDL		4.00	98	69 --- 113	6	22
Bromodichloromethane	3.71	ug/L	BDL		4.00	93	66 --- 119	7	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75 --- 124		7
Bromoform	3.43	ug/L	BDL		4.00	86	57 --- 116	3	28
Bromomethane	2.25	ug/L	BDL		4.00	56	11 --- 144	35	34
Carbon disulfide	8.33	ug/L	BDL		8.00	104	62 --- 136	6	31
Carbon tetrachloride	4.22	ug/L	BDL		4.00	106	80 --- 133	3	20
Chlorobenzene	4.02	ug/L	BDL		4.00	100	69 --- 120	7	21
Chloroethane	3.97	ug/L	BDL		4.00	99	61 --- 129	8	26
Chloroform	3.80	ug/L	BDL		4.00	95	64 --- 121	6	18
Chloromethane	3.88	ug/L	BDL		4.00	97	58 --- 120	10	21

Matrix Spike Duplicate Water

Analytical Run #:	152181	Analysis Date:	08/16/2018	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	165319	Analysis Time:	01:59	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	165316	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	4.49	ug/L	0.27		4.00	106	71 --- 117	10	21
cis-1,3-Dichloropropene	3.56	ug/L	BDL		4.00	89	66 --- 116	4	21
d8-Toluene	101	% Recovery			100	101	94 --- 105		7
Dibromochloromethane	3.71	ug/L	BDL		4.00	93	64 --- 115	7	23
Dibromofluoromethane	102	% Recovery			100	102	90 --- 108		7
Dibromomethane	3.90	ug/L	BDL		4.00	98	68 --- 111	6	21
Dichlorodifluoromethane	4.25	ug/L	BDL		4.00	106	68 --- 141	7	22
Diisopropyl ether	3.96	ug/L	BDL		4.00	99	57 --- 129	7	27
Ethylbenzene	4.12	ug/L	BDL		4.00	103	70 --- 128	6	24
Hexachlorobutadiene	4.07	ug/L	BDL		4.00	102	57 --- 146	10	30
Isopropylbenzene	4.33	ug/L	BDL		4.00	108	72 --- 131	7	24
m & p-Xylene	8.53	ug/L	BDL		8.00	107	70 --- 128	8	28
Methyl tert-butyl ether	3.88	ug/L	BDL		4.00	97	60 --- 116	9	33
Methylene chloride	3.60	ug/L	BDL		4.00	90	29 --- 139	3	36
n-Butylbenzene	4.19	ug/L	BDL		4.00	105	67 --- 136	6	24
n-Propylbenzene	4.17	ug/L	BDL		4.00	104	64 --- 143	7	23
Naphthalene	3.77	ug/L	BDL		4.00	94	58 --- 122	7	31
o-Xylene	4.13	ug/L	BDL		4.00	103	71 --- 123	7	26
p-Isopropyltoluene	4.29	ug/L	BDL		4.00	107	71 --- 135	7	27
sec-Butylbenzene	4.31	ug/L	BDL		4.00	108	71 --- 137	8	23
Styrene	4.11	ug/L	BDL		4.00	103	70 --- 125	6	40
tert-Butylbenzene	4.22	ug/L	BDL		4.00	106	70 --- 133	8	22
Tetrachloroethene	4.21	ug/L	BDL		4.00	105	75 --- 127	6	21
Tetrahydrofuran	34.9	ug/L	BDL		40.0	87	48 --- 111	5	28
Toluene	3.95	ug/L	BDL		4.00	99	71 --- 120	6	19
trans-1,2-Dichloroethene	4.15	ug/L	BDL		4.00	104	72 --- 121	8	28
trans-1,3-Dichloropropene	3.54	ug/L	BDL		4.00	88	69 --- 109	4	21
Trichloroethene	4.11	ug/L	0.089		4.00	101	73 --- 118	9	19
Trichlorofluoromethane	4.30	ug/L	BDL		4.00	108	75 --- 134	6	23
Vinyl acetate	36.7	ug/L	BDL		40.0	92	55 --- 127	6	25
Vinyl chloride	4.45	ug/L	0.19		4.00	106	61 --- 130	14	21

Matrix Spike Water

Analytical Run #:	152181	Analysis Date:	08/16/2018	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	165316	Analysis Time:	01:31	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	162199	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.68	ug/L	BDL		4.00	92	67 --- 122		21
1,1,1-Trichloroethane	4.03	ug/L	BDL		4.00	101	69 --- 128		20
1,1,2,2-Tetrachloroethane	3.31	ug/L	BDL		4.00	83	54 --- 130		22
1,1,2-Trichloroethane	3.46	ug/L	BDL		4.00	86	67 --- 116		25
1,1-Dichloroethane	3.78	ug/L	BDL		4.00	94	64 --- 124		25
1,1-Dichloroethene	3.84	ug/L	BDL		4.00	96	70 --- 130		24
1,1-Dichloropropene	3.81	ug/L	BDL		4.00	95	74 --- 127		21
1,2 Dichloroethane-d4	104	% Recovery			100	104	86 --- 106		7
1,2,3-Trichlorobenzene	3.63	ug/L	BDL		4.00	91	56 --- 134		31
1,2,3-Trichloropropane	2.81	ug/L	BDL		4.00	70	54 --- 117		26
1,2,4-Trichlorobenzene	3.66	ug/L	BDL		4.00	92	56 --- 133		29
1,2,4-Trimethylbenzene	3.77	ug/L	BDL		4.00	94	63 --- 132		36
1,2-Dibromo-3-chloropropane	3.08	ug/L	BDL		4.00	77	48 --- 121		34
1,2-Dibromoethane	3.43	ug/L	BDL		4.00	86	66 --- 114		22
1,2-Dichlorobenzene	3.62	ug/L	BDL		4.00	90	63 --- 124		23
1,2-Dichloroethane	3.70	ug/L	BDL		4.00	92	60 --- 117		21
1,2-Dichloropropane	3.75	ug/L	BDL		4.00	94	67 --- 121		19
1,3,5-Trimethylbenzene	3.88	ug/L	BDL		4.00	97	68 --- 130		34
1,3-Dichlorobenzene	3.68	ug/L	BDL		4.00	92	66 --- 126		22
1,3-Dichloropropane	3.44	ug/L	BDL		4.00	86	67 --- 114		23
1,4-Dichlorobenzene	3.58	ug/L	BDL		4.00	90	65 --- 125		22
1,4-Dioxane	175	ug/L	BDL		200	88	19 --- 208		20
2,2-Dichloropropane	3.65	ug/L	BDL		4.00	91	57 --- 136		21
2-Butanone	34.5	ug/L	BDL		40.0	86	67 --- 110		29
2-Chlorotoluene	3.70	ug/L	BDL		4.00	92	61 --- 134		20
2-Hexanone	36.5	ug/L	BDL		40.0	91	51 --- 128		28
4-Chlorotoluene	3.75	ug/L	BDL		4.00	94	65 --- 129		22
4-Methyl-2-pentanone	35.5	ug/L	BDL		40.0	89	55 --- 125		29
Acetone	32.9	ug/L	BDL		40.0	82	41 --- 101		39
Benzene	3.77	ug/L	0.031		4.00	93	71 --- 120		17
Bromobenzene	3.59	ug/L	BDL		4.00	90	63 --- 129		20
Bromochloromethane	3.68	ug/L	BDL		4.00	92	69 --- 113		22
Bromodichloromethane	3.45	ug/L	BDL		4.00	86	66 --- 119		20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75 --- 124		7
Bromoform	3.32	ug/L	BDL		4.00	83	57 --- 116		28
Bromomethane	1.58	ug/L	BDL		4.00	40	11 --- 144		34
Carbon disulfide	7.86	ug/L	BDL		8.00	98	62 --- 136		31
Carbon tetrachloride	4.08	ug/L	BDL		4.00	102	80 --- 133		20
Chlorobenzene	3.74	ug/L	BDL		4.00	94	69 --- 120		21
Chloroethane	3.65	ug/L	BDL		4.00	91	61 --- 129		26
Chloroform	3.59	ug/L	BDL		4.00	90	64 --- 121		18
Chloromethane	3.52	ug/L	BDL		4.00	88	58 --- 120		21

Matrix Spike Water

Analytical Run #:	152181	Analysis Date:	08/16/2018	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	165316	Analysis Time:	01:31	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	162199	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	4.04	ug/L	0.27		4.00	94	71 --- 117		21
cis-1,3-Dichloropropene	3.41	ug/L	BDL		4.00	85	66 --- 116		21
d8-Toluene	102	% Recovery			100	102	94 --- 105		7
Dibromochloromethane	3.44	ug/L	BDL		4.00	86	64 --- 115		23
Dibromofluoromethane	102	% Recovery			100	102	90 --- 108		7
Dibromomethane	3.69	ug/L	BDL		4.00	92	68 --- 111		21
Dichlorodifluoromethane	3.97	ug/L	BDL		4.00	99	68 --- 141		22
Diisopropyl ether	3.69	ug/L	BDL		4.00	92	57 --- 129		27
Ethylbenzene	3.89	ug/L	BDL		4.00	97	70 --- 128		24
Hexachlorobutadiene	3.68	ug/L	BDL		4.00	92	57 --- 146		30
Isopropylbenzene	4.04	ug/L	BDL		4.00	101	72 --- 131		24
m & p-Xylene	7.87	ug/L	BDL		8.00	98	70 --- 128		28
Methyl tert-butyl ether	3.57	ug/L	BDL		4.00	89	60 --- 116		33
Methylene chloride	3.51	ug/L	BDL		4.00	88	29 --- 139		36
n-Butylbenzene	3.96	ug/L	BDL		4.00	99	67 --- 136		24
n-Propylbenzene	3.90	ug/L	BDL		4.00	98	64 --- 143		23
Naphthalene	3.52	ug/L	BDL		4.00	88	58 --- 122		31
o-Xylene	3.87	ug/L	BDL		4.00	97	71 --- 123		26
p-Isopropyltoluene	3.98	ug/L	BDL		4.00	100	71 --- 135		27
sec-Butylbenzene	3.99	ug/L	BDL		4.00	100	71 --- 137		23
Styrene	3.87	ug/L	BDL		4.00	97	70 --- 125		40
tert-Butylbenzene	3.90	ug/L	BDL		4.00	98	70 --- 133		22
Tetrachloroethene	3.95	ug/L	BDL		4.00	99	75 --- 127		21
Tetrahydrofuran	33.3	ug/L	BDL		40.0	83	48 --- 111		28
Toluene	3.71	ug/L	BDL		4.00	93	71 --- 120		19
trans-1,2-Dichloroethene	3.84	ug/L	BDL		4.00	96	72 --- 121		28
trans-1,3-Dichloropropene	3.39	ug/L	BDL		4.00	85	69 --- 109		21
Trichloroethene	3.77	ug/L	0.089		4.00	92	73 --- 118		19
Trichlorofluoromethane	4.06	ug/L	BDL		4.00	102	75 --- 134		23
Vinyl acetate	34.4	ug/L	BDL		40.0	86	55 --- 127		25
Vinyl chloride	3.86	ug/L	0.19		4.00	92	61 --- 130		21

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 138406
Client: TETRA TECH

Print Date / Time: 08/08/2018 12:28
Received Date / Time / By: 08/08/2018 12:00 DRT

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI

Log-In Date / Time / By: 08/08/2018 12:14 DRT
Project #: 117-2202061.01 PM: BMS

Coolers: 5564
Custody Seals Present :

Temperature: 4.1 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact?
Ship Method: FEDEX EXPRESS
Adequate Packaging: **Y**

Numbers: N/A
Tracking Number: 772919827146
Temp Blank Enclosed? **Y**

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
162199 P-103D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			
162200 P-107D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			
162201 P-111D				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			
162202 MW-3A				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			

162203 MW-3B

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162204 P-117

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162205 P-118

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162206 P-113A

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162207 P-113B

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162208 P-116

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

162209 P-114

VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC
VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
162210 P-114 DUP				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
162211 P-115				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
162212 TRIP BLANK				
	Trip Blank	1	/	VOC
	Trip Blank	1	/	VOC
	Total # of Containers of Type (*Trip Blank*) = 2			

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 02/2017

CHAIN OF CUSTODY

Company: Tetra Tech
Project Contact: Ashley Wagner
Telephone: (262) 719-5242
Project Name: Ripon FF/NN Landfill
Project #: 117-2262061.01
Location: Ripon, WI
Sampled By: Ashley Wagner

CT

Folder #: 138406
Company: TETRA TECH
Project: RIPON FF/NN LANDFIL
Logged By: DRT PM: BM

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
QSM RCRA SDWA NPDES
Solid Waste Other ________

PO #

Report To:
EMAIL: ashley.wagner@tetratech.com
Company:
Address:

Invoice To:*
EMAIL: ashley.wagner@tetratech.com
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Please provide GEMS data package with results

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: ________
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

ANALYSES REQUESTED — Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	lowlevel VOCs	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
8.2.18	950	GW	G	1	P-103 D	N	✓			162199
	1040	↓	↓	2	P-107 D	↓	✓			162200
	1120			3	P-111 D		✓			162201
	1155			4	MW-3A		✓			162202
	1215			5	MW-3B		✓			162203
	1250			6	P-117		✓			162204
	1320			7	P-118		✓			162205
	1405			8	P-113A		✓			162206
	1420			9	P-113B		✓			162207
	1505			10	P-116		✓			162208
	1525			11	P-114		✓			162209
	1530	↓	↓	12	P-114 DUP	↓	✓			162210

Relinquished By: Ashley Wagner	Date/Time: 8.7.18 1600	Received By: R	Date/Time: 8/8/18 1200	Lab Use Only: Ice Present (Yes) No; Temp 4.1 IR Gun 9; Cooler # 5564
Received by:	Date/Time	Received for Laboratory by: R	Date/Time: 8/8/18 1214	

Rev. 02/2017

CHAIN OF CUSTODY

Company: Tetra Tech
Project Contact: Ashley Wagner
Telephone: (262)719-5242
Project Name: Ripon FF/NN Landfill
Project #: 117-2202061.01
Location: Ripon, WI
Sampled By: Ashley Wagner

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

138406

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL: ashley.wagner@tetratech.com
Company:
Address: mike.noel@tetratech.com

Invoice To:*
EMAIL: Same as above
Company:
Address:

****Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions***

Client Special Instructions
Please Provide GENS data package with results

Matrix:
GW – groundwater **SW** - surface water **WW** - wastewater **DW** - drinking water
S - soil/sediment **SL** - sludge **A** - air **M** - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: Low Level VOCs	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test			
8.2.18	1600	GW	G	13	P-115	N	✓			162211
		DI	G		Trip Blank	N	✓ lab prepared			162212

please email results to
Mike Noel mike.noel@tetratech.com
Ashley Wagner ashley.wagner@tetratech.com
Jeff Tracy jeff.tracy@bisgroup.com
Chris Liverse cliverise@cityofripon.com
Lon Rich Lrich@cityofripon.com

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Wagner	8.7.18 1600		8/8/18 1200
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
			8/8/18 1214

Lab Use Only
Ice Present Yes No
Temp 4.1 IR Gun 19
Cooler # 85564

CT Laboratories Terms and Conditions

Where a purchaser (Client) places an order for laboratory, consulting or sampling services from CT Laboratories (CTL), CTL shall provide the ordered services pursuant to these Terms and Conditions, and the related Quotation, or as agreed in a negotiated contract. In the absence of a written agreement to the contrary, the Order constitutes an acceptance by the Client of CTL's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by CTL in advance of the start of the project and in writing.

1. ORDERS AND RECEIPT OF SAMPLES (Sample Acceptance Policy)

1.1 The Client may place the Order (i.e., specify a Scope of Work) either by submitting a purchase order to CTL in writing, by telephone (confirmed in writing) or by negotiated contract. Whichever option the Client selects for placing the Order, the Order shall not be valid unless it contains sufficient information to enable CTL to carry out the Client's requirements. It is the policy of CTL that samples not meeting the acceptance criteria, outlined in the NELAC standards and Section 5.8.3.2 of the DOD QSM, will not be accepted by the laboratory or will be qualified on the final report. All samples submitted to the laboratory must: (a) be accompanied by proper, full and complete documentation, including sample identification, location, date and time of collection, the collector's name, type of preservation (if any), type of sample, any special comments concerning the sample and any additional pertinent fields on the chain-of-custody. In the absence of any of the required information, the laboratory will attempt to contact the client to obtain the information; if unable to obtain the necessary information, the final report will be qualified.
(b) samples must be labeled appropriately with a unique sample identification written with indelible ink on water resistant labels. If the laboratory cannot determine the identity of a sample, it may be rejected and the client will be contacted for further instructions or resampling. (c) samples must be in an appropriate sample container. If the container is inappropriate, the client will be contacted for further instructions or resampling. If analysis is possible, the final report will be qualified. CTL can provide a sampling guide containing approved containers and preservations for analytical methods requested. (d) adhere to method specified holding times. If samples are received with less than ½ the holding time remaining for the requested test, CTL will make its best effort to analyze the samples and notify the client. If holding times are exceeded, the final report will be qualified. (e) contain adequate sample volume to perform the necessary testing. If sufficient volume is not present, the sample may be rejected and the client will be contacted for further instructions or resampling. If samples show signs of damage, contamination or inadequate preservation, the client will be notified. If analysis can be performed, the final report will be qualified. If not, the samples will be rejected and the client notified for further instructions or resampling. It is the Client's responsibility to understand and package samples correctly and provide the proper amount of temperature control (ice) suitable to current weather conditions.
1.2 CTL must be supplied with complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. Where any samples which were not accompanied by the required disclosure, cause interruptions in the lab's ability to process work due to contamination of instruments or work areas, the Client will be responsible for the costs of clean up and recovery.
1.3 Prior to Sample Acceptance, the entire risk of loss or damage to samples remains with the Client. In no event will CTL have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from CTL's premises. Client is responsible to assure that any sample containing any hazardous substance which is to be delivered to CTL's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.
1.4 Clients using CTL's shipping account(s) do so at their own risk and must purchase separate insurance if they do not wish to assume risk of loss. CTL will not assume any risk whatsoever for any samples outside of CTL's control and not successfully delivered to the laboratory within specified hold times.
1.5 CTL will not accept liability for any sample(s), except sample(s) damaged or broken by log-in staff prior to successful log-in of the sample(s) into the CTL- LIMS system. This includes, but may not be limited to: complete, valid COC documentation, all sample receiving issues being resolved from a delay caused by the Client in CTL's ability to log-in samples, including missed turnaround and hold times, delay in processing and, ultimately, additional charges to the Client.
1.6 CTL will only reject samples per directions from the Client. CTL's sole liability is to inform the Client of any sample receipt issues, and may provide an indication how proceeding with the analysis may affect results and final acceptance by the regulating agency. Ultimately, suitability for use is between the Client and the regulating agency(s).
1.7 Signing of this COC by the Client or Client's representative, or directions to CTL via email or Fax constitutes acceptance of these Terms and Conditions, and guarantees payment by the Client to CTL.

2. PAYMENT TERMS

2.1 Services performed by CTL will be in accordance with prices quoted and later confirmed in writing or as stated in the Price Schedule. Invoices may be submitted to Client upon completion of any sample delivery group. Payment in advance is required for all Clients except those whose credit has been established with CTL. For Clients with approved credit, payment terms are net 30 days from the date of invoice by CTL. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) or the maximum rate permissible by law, per month or portion thereof from the due date until the date of payment. All fees are charged or billed directly to the Client. The billing of a third party will not be accepted without a statement, signed by the third party that acknowledges and accepts payment responsibility. CTL may suspend work and withhold delivery of data under this order at any time in the event Client fails to make timely payment of its invoices. Client shall be responsible for all costs and expenses of collection including reasonable attorney's fees. CTL reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit report.

3. CHANGE ORDERS, TERMINATION

3.1 Changes to the Scope of Work, price, or result delivery date may be initiated by CTL after Sample Acceptance due to any condition which conflicts with analytical, QA or other protocols warranted in these Terms and Conditions. CTL will not proceed with such changes until an agreement with the Client is reached on the amount of any cost, schedule change or technical change to the Scope of Work, and such agreement is documented in writing.
3.2 Changes to the Scope of Work, including but not limited to increasing or decreasing the work, changing test and analysis specification or acceleration in the performance of the work may be initiated by the Client after sample acceptance. Such a change will be documented in writing and may result in a change in cost and turnaround time commitment. CTL's acceptance of such changes is contingent upon technical feasibility and operational capacity.
3.3 Suspension or termination of all or any part of the work may be initiated by the Client. CTL will be compensated consistent with Section 2 of these Terms and Conditions. CTL will complete all work in progress and be paid in full for all work completed.

4. WARRANTIES AND LIABILITY

4.1 Where applicable, CTL will use analytical methodologies which are in substantial conformity with published test methods. CTL has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures and where the nature or composition of the sample requires it, CTL reserves the right to deviate from these methodologies as necessary or appropriate, based on the reasonable judgment of CTL, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or CTL's Laboratory Quality Manuals. Client may request that CTL perform according to a mutually agreed Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, CTL will proceed with analyses under its standard Quality Manuals then in effect, and CTL will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP.
4.2 CTL shall start preparation and/or analysis within holding times provided that Sample Acceptance occurs within 48 hours of sampling or 1/2 of the holding time for the test, whichever is less. Samples received that do not meet this provision will be charged as expedited samples and the appropriate rate will be added accordingly. Where resolution of inconsistencies leading to Sample Acceptance does not occur within this period, CTL will use its best efforts to meet holding times and will proceed with the work provided that, in CTL's judgment, the chain-of-custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with CTL's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met.
4.3 CTL warrants that it possesses and maintains all licenses and certifications which are required to perform services under these Terms and Conditions provided that such requirements are specified in writing to CTL prior to Sample Acceptance. CTL will notify the Client in writing of any decertification or revocation of any license, or notice of either, which affects work in progress.
4.4 The warranty obligations set forth in Sections 4.1, 4.2 and 4.3 are the sole and exclusive warranties given by CTL in connection with any services performed by CTL or any Results generated from such services, and CTL gives and makes NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. No representative of CTL is authorized to give or make any other representation or warranty or modify this warranty in any way.
4.5 Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by CTL, will be limited to repeating any services performed, contingent on the Client's providing, at the request of CTL and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense. If resampling is necessary, CTL's liability for resampling costs will be limited to actual cost or one hundred or one hundred fifty dollars ($150) per sample, whichever is less.
4.6 CTL's liability for any and all causes of action arising hereunder, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the services performed or $100,000. All claims, including those for negligence, shall be deemed waived unless suit thereon is filed within one year after CTL's completion of the services. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall CTL be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or by application or use of the reports prepared.
4.7 In no event shall CTL have any responsibility or liability to the Client for any failure or delay in performance by CTL which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of CTL. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown highly contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond CTL's reasonable control.

5. RESULTS, WORK PRODUCT

5.1 Data or information provided to CTL or generated by services performed under this agreement shall only become the property of the Client upon receipt in full by CTL of payment for the whole Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by CTL for performance of work will be retained by CTL, and Client shall not disclose such information to any third party.
5.2 Data and sample materials provided by Client or at Client's request, and the result obtained by CTL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay CTL for all services rendered or is otherwise in breach of these Terms and Conditions), subject to any disclosure required by law or legal process.
5.3 Should the Results delivered by CTL be used by the Client or Client's client, even though subsequently determined not to meet the warranties described in these Terms and Conditions, then the compensation will be adjusted based upon mutual agreement. In no case shall the Client unreasonably withhold CTL's right to independently defend its data.
5.4 CTL reserves the right to subcontract services ordered by the Client to another laboratory or laboratories, if, in CTL's sole judgment, it is reasonably necessary, appropriate or advisable to do so, and with the Client's permission. CTL will in no way be liable for any subcontracted services and all applicable warranties, guarantees and insurance are those of the subcontracted laboratory.
5.5 CTL shall dispose of the Client's samples and extracts 30 days after the analytical report is issued, unless instructed to store them for an alternate period of time or to return such samples to the Client, in a manner consistent with U.S. Environmental Protection Agency regulations or other applicable Federal, state or local requirements. Additional charges will apply for samples or extracts stored longer than 30 days at the Clients request. Any samples for projects that are canceled or not accepted, or for which return was requested, will be returned to the Client at Client expense. CTL reserves the right to return to the Client any sample or unused portion of a sample that is not within CTL's permitted capability or the capabilities of CTL's designated waste disposal vendor(s), or will make arrangements to dispose of these samples at Client direction and expense.
5.6 Unless a different time period is agreed to in any order under these Terms and Conditions, CTL agrees to retain all records for five (5) years.
5.7 In the event that CTL is required to respond to legal process related to services for Client, Client agrees to reimburse CTL for hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation.

6. INSURANCE

6.1 CTL shall maintain in force during the performance of services under these Terms and Conditions, Workers' Compensation and Employer's Liability Insurance in accordance with the laws of the states having jurisdiction over CTL's employees who are engaged in the performance of the work. CTL shall also maintain during such period, Comprehensive General and Contractual Liability (limit of $2,000,000 per occurrence/ aggregate), Comprehensive Automobile Liability, owned and hired, ($1,000,000 combined single limit), and Professional/Pollution Liability Insurance (limit of $5,000,000 per occurrence/aggregate). Any Client required changes to these limits or conditions will result in a change in cost to the Client.

7. AUDIT

7.1 Upon prior notice to CTL, the Client may audit and inspect CTL's records and accounts covering reimbursable costs related to work done for the Client, for a period of one (1) year after completion of the work. The purpose of any such audit shall be only for verification of such costs, and CTL shall not be required to provide access to cost records where prices are expressed as fixed fees or published unit prices.

FROM: Ashley Wagner (262) 792-1282
Tetra Tech
175 N CORPORATE DRIVE
STE 100
BROOKFIELD WI 53045
US

SHIP DATE: 07AUG18
ACTWGT: 35.00 LB
CAD: 1104355/INET4040

BILL SENDER

TO Brett Szymanski
CT LABORATORIES
1230 Lange Court

BARABOO WI 53913
(608) 356-2766
INV:
PO:
REF: 117-2202062.01
DEPT:

(US)

552J1/3309/DCA5

J182018072201uv

FedEx Ground

TRK# 7729 1982 7146

DSR
53913

9622 0015 6 (000 000 0000) 0 00 7729 1982 7146

138406 - Page 120 of 120

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:
At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day *Close Button. If required, print the pickup manifest that appears.* A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide and applicable tariff, available upon request. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability, can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special, incidental, or consequential damages, including, without limitation, loss of profit, loss to the intrinsic value of the package, loss of sale, interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Ice Present (Yes) No
Temperature 4.1
Initials
Date 8/8/18 Time 1300
Cooler # 3504

ATTACHMENT C
GROUNDWATER SAMPLING FIELD FORMS

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202061.01	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Wagner	DO	MP-20 Flow Cell

MONITOR WELL ID	MW-3A			MW-3B			P-113A		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	8-2-18			8-2-18			8-2-18		
STATIC WATER LEVEL (feet)*	32.81			30.95			15.46		
WELL DEPTH (feet)*	280.1			185.72			325.31		
PUMP INLET DEPTH (feet)*	67.5			54.5			73.5		
START PURGE TIME (Military)	11:35			11:55			13:40		
END PURGE TIME (Military)	11:55			12:10			14:00		
PURGE VOLUME (gallons)	0.75			0.75			1.0		
SAMPLE TIME (Military)	11:55			12:15			14:05		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0:00	1:00	2:00	3:00	4:00	5:00	0:00	2:00	4:00
TEMPERATURE (° C)	10.77	10.72	10.67	9.i91	9.91	9.92	12.75	12.69	12.56
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.524	0.515	0.531	0.607	0.634	0.623	0.507	0.509	0.504
DISSOLVED OXYGEN (ppm)	1.05	1.00	0.94	0.44	0.43	0.40	2.06	1.90	1.76
pH	7.40	7.37	7.34	7.88	7.79	7.74	7.60	7.55	7.48
DISSOLVED OXYGEN (% Sat.)	9.5	9.0	8.5	3.9	3.8	3.6	19.4	17.9	16.6
ORP (mV)	-82	-82	-81	-184	-180	-176	-89	-91	-91
COLOR	Clear			Clear			Clear		
ODOR	Rotten eggs			Weak rotten eggs			None		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260SIM)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Sample Blank (use water from well, zero)									
Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min)	0.0			0.0			0.0		
DI water with reagent powder pillow	0.04			0.91			0.14		
June results:	0.10			0.86			0.08		
NAME OF LABORATORY	CT Laboratories			CT Laboratories			CT Laboratories		
DATE SENT TO LAB	8- -18			8- -18			8- -18		
SAMPLER=S NAME	Ashley A. Wagner			Ashley A. Wagner			Ashley A. Wagner		

***Measured from top of well casing.**

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202061.01	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Wagner	DO	MP-20 Flow Cell

MONITOR WELL ID	P-113B			P-103D			P-107D		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	8-2-18			8-2-18			8-2-18		
STATIC WATER LEVEL (feet)*	14.43			50.78			53.58		
WELL DEPTH (feet)*	198.9			192.66			327.95		
PUMP INLET DEPTH (feet)*	48.5			87.5			76.5		
START PURGE TIME (Military)	14:05			9:30			10:25		
END PURGE TIME (Military)	14:15			9:45			10:40		
PURGE VOLUME (gallons)	0.5			1.5			1.0		
SAMPLE TIME (Military)	14:20			9:50			10:40		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0:00	1:00	2:00	0:00	1:00	2:00	0:00	1:00	2:00
TEMPERATURE (° C)	10.48	10.46	10.46	10.53	10.52	10.47	12.24	11.23	11.04
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.602	0.608	0.601	0.731	0.717	0,726	0.550	0.547	0.544
DISSOLVED OXYGEN (ppm)	0.72	0.65	0.57	0.65	0.66	0.63	8.65	7.82	5.81
pH	7.61	7.59	7.56	6.82	6.85	6.88	7.45	7.38	7.32
DISSOLVED OXYGEN (% Sat.)	6.5	5.8	5.2	5.8	5.9	5.7	80.9	71.4	52.9
ORP (mV)	-111	-111	-112	-40	-45	-49	0	6	8
COLOR	Clear			Clear			Clear		
ODOR	None			None			None		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260SIM)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
Sample Blank (use water from well, zero)	0.0			0.0			0.0		
Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min)	1.00			2.79			0.09		
DI water with reagent powder pillow									
June results:	0.69			2.67			NM		
NAME OF LABORATORY	CT Laboratories			CT Laboratories			CT Laboratories		
DATE SENT TO LAB	8- -18			8- -18			8- -18		
SAMPLER=S NAME	Ashley A. Wagner			Ashley A. Wagner			Ashley A. Wagner		

***Measured from top of well casing.**

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202061.01	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Wagner	DO	MP-20 Flow Cell

MONITOR WELL ID	P-111D			P-117			P-118		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	8-2-18			8-2-18			8-2-18		
STATIC WATER LEVEL (feet)*	34.87			16.21			9.05		
WELL DEPTH (feet)*	151.0			165.54			167.8		
PUMP INLET DEPTH (feet)*	151.0			163.0			165		
START PURGE TIME (Military)	11:05			12:28			13:03		
END PURGE TIME (Military)	11:20			12:45			13:20		
PURGE VOLUME (gallons)	1.0			2.5			2.0		
SAMPLE TIME (Military)	11:20			12:50			13:20		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	0:00	1:00	2:00	1:00	2:00	3:00	0:00	1:00	2:00
TEMPERATURE (° C)	10.28	10.28	10.30	10.53	10.655	10.70	11.20	11.25	11.35
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.796	0.796	0.796	0.680	0.690	0.698	0.543	0.541	0.542
DISSOLVED OXYGEN (ppm)	1.88	1.48	1.20	0.58	0.49	0.47	1.76	1.62	1.48
pH	7.39	7.37	7.37	7.52	7.41	7.36	7.52	7.50	7.44
DISSOLVED OXYGEN (% Sat.)	16.9	13.3	10.7	5.2	4.4	4.3	16.1	14.9	13.6
ORP (mV)	-68	-72	-76	-106	-104	-104	-91	-90	-89
COLOR	Clear			Clear			Clear		
ODOR	None			None			None		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260SIM)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No					
Sample Blank (use water from well, zero)	0.0			0.0			0.0		
Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min)	0.93			1.10			0.27		
DI water with reagent powder pillow									
June results:	1.19			1.31			0.17		
NAME OF LABORATORY	CT Laboratories			CT Laboratories			CT Laboratories		
DATE SENT TO LAB	8- -18			8- -18			8- -18		
SAMPLER=S NAME	Ashley A. Wagner			Ashley A. Wagner			Ashley A. Wagner		

***Measured from top of well casing.**

TETRA TECH

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

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	FF/NN Landfill	Temp. & pH	MP-20 Flow Cell
PROJECT NO.	117-2202061.01	Conductivity	MP-20 Flow Cell
LOCATION	Ripon, WI	ORP	MP-20 Flow Cell
PERSONNEL	Ashley A. Wagner	DO	MP-20 Flow Cell

MONITOR WELL ID	P-114/Dup			P-115			P-116		
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	8-2-18			8-2-18			8-2-18		
STATIC WATER LEVEL (feet)*	20.44			23.68			27.43		
WELL DEPTH (feet)*	181.72			179.57			163.19		
PUMP INLET DEPTH (feet)*	53.5			53.5			163		
START PURGE TIME (Military)	15:10			14:43			14:40		
END PURGE TIME (Military)	15:25			15:55			15:00		
PURGE VOLUME (gallons)	2.0			2.0			1.0		
SAMPLE TIME (Military)	15:25/15:30			16:00			15:05		
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	1:00	2:00	3:00	0:00	1:00	2:00	0:00	2:00	4:00
TEMPERATURE (° C)	10.34	10.38	10.48	10.59	10.38	10.52	11.66	11.49	11.50
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.701	0.697	0.681	0.576	0.573	0.576	0.485	0.490	0.488
DISSOLVED OXYGEN (ppm)	0.39	0.36	0.32	2.38	2.14	1.65	1.85	1.77	1.67
pH	7.79	7.68	7.46	7.54	7.56	7.54	7.67	7.65	7.63
DISSOLVED OXYGEN (% Sat.)	3.5	3.2	2.9	21.4	19.2	14.8	17.1	16.3	15.4
ORP (mV)	-109	-108	-108	-98	-103	-105	-81	-80	-79
COLOR	Clear			Clear			Clear		
ODOR	None			None			None		
CLARITY	Clear			Clear			Clear		
SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)								
VOCs (EPA Method SW 8260SIM)	3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No			3 – 40 ml; G; HCl – L; No		
	TOOK DUP AT 15:30								
Sample Blank (use water from well, zero)	0.0			0.0			0.0		
Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min)	0.90			0.84			0.17		
DI water with reagent powder pillow									
June results:	0.1			1.02			0.56		
NAME OF LABORATORY	CT Laboratories			CT Laboratories			CT Laboratories		
DATE SENT TO LAB	8- -18			8- -18			8- -18		
SAMPLER=S NAME	Ashley A. Wagner			Ashley A. Wagner			Ashley A. Wagner		

***Measured from top of well casing.**

TETRA TECH

ATTACHMENT D

LANDFILL GAS EXTRACTION SYSTEM MONITORING

TETRA TECH GEO

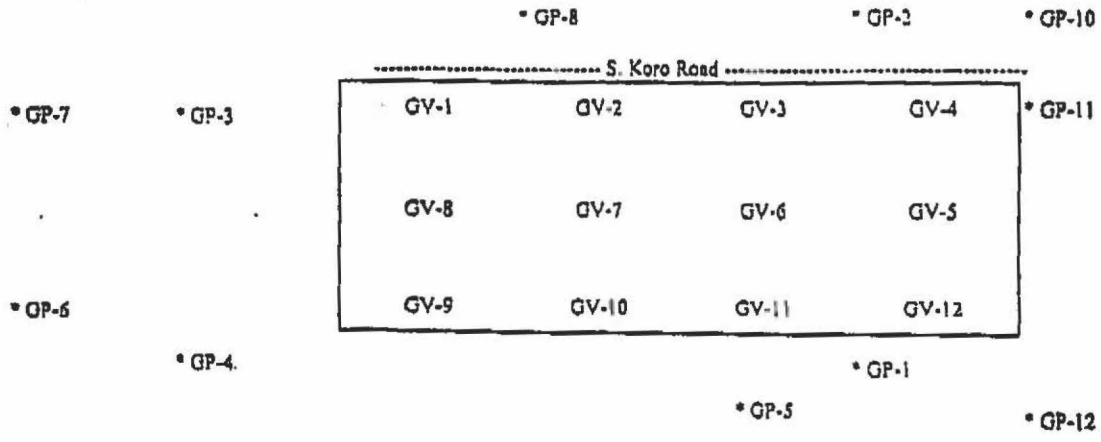
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Rinon, Wisconsin
Personnel: McKala Kiessling
Water level in buried knockout tank — "

Barometric Pressure: 28.9 Hg
Temperature (ambient): 59 F
Measuring Device: Eagle
In Trailer Vacuum Gage — "Hg

*LEL

Date	Time	Measurement Point	% CH_4	% CO_2	% O_2	Comments
8/2/18	0550	Background	0*	0.0	20.9	
	0558	LC-1	over*	3.0	18.7	
	0602	LC-2	over*	25.4	2.1	
	0604	LC-3	over*	25.2	3.5	
	0600	GV-6	over*	20.0	4.4	
	0557	GP-1	21*	6.2	11.7	
	0550	GP-1	~~5*~~ 15*	5.4	13.4	2nd Reading
	0554	Exhaust	over*	16.2	16.1	



TETRA TECH GEO

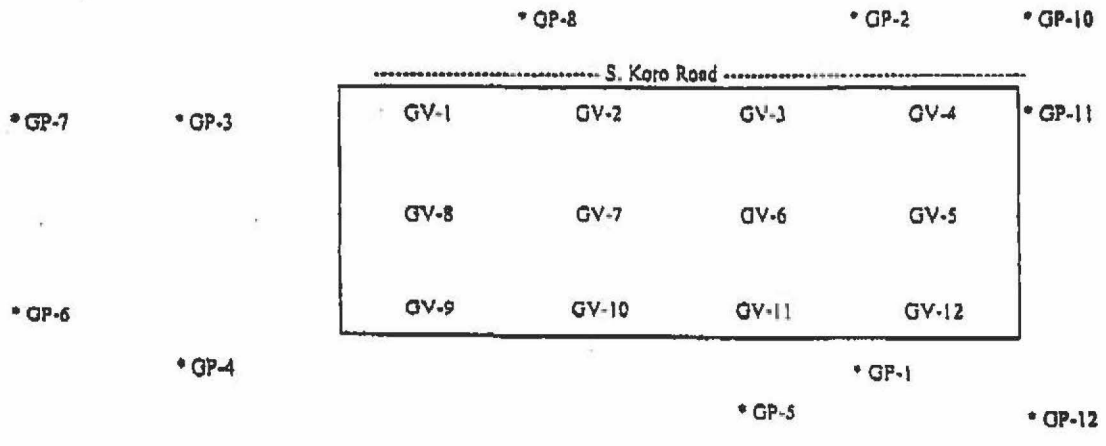
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Rinon, Wisconsin
Personnel: McKala Kiessling
Water level in burried knockout tank ~ "

Barometric Pressure: 29.7 Hg
Temperature (ambient): 10D F
Measuring Device: Eagle
In Trailer Vacuum Gage 0.1 "Hg

*LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Comments
9/15/18	0601	Background	0*	6.0	20.9	
	0630	LC-1	71*	3.0	18.6	
	0634	LC-2	43.5	26.4	1.9	
	0637	LC-3	37.0	26.7	3.1	
	0632	GV-6	33	35.8	3.4	
	0602	GP-1	0	45.2	9.8	
	0700	GP-1	0*	2.0	16.0	2nd Reading
	0624	Exhaust	2.0	5.4	16.6	



TETRA TECH GEO

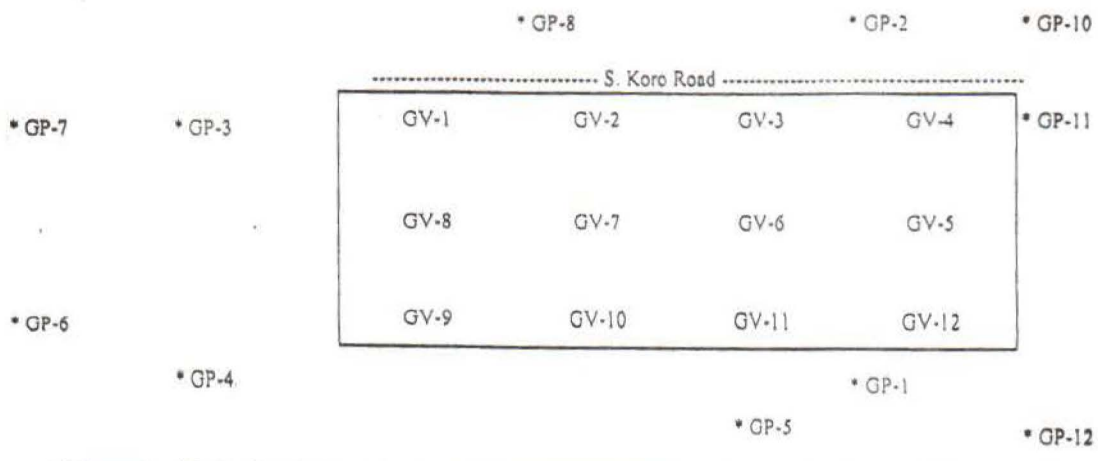
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill
Location: Rinon, Wisconsin
Personnel: McKala Kiessling
Water level in buried knockout tank — "

Barometric Pressure: 28.9 Hg
Temperature (ambient): 46 F
Measuring Device: Eagle
In Trailer Vacuum Gage 1 "Hg

*LEL

Date	Time	Measure-ment Point	% CH_4	% CO_2	% O_2	Comments
9/26/18	0820	Background	0*	0.0	20.9	
	0831	LC-1	58.4*	2.4	19.3	
	0840	LC-2	45.0	27.2	1.7	
	0837	LC-3	32.5	25.8	3.0	
	0835	GV-6	8.0	12.8	9.0	
	0825	GP-1	10*	9.2	4.1	
	0919	GP-1	19*	10.10	1.3	2nd Reading
	0823	Exhaust	95*	4.8	16.7	



ATTACHMENT E

GROUNDWATER MONITORING PROGRAM APPROVAL, APRIL 18, 2013 AND CONDITIONAL APPROVAL, JUNE 8, 2017

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
FAX 608-267-3579
TTY Access via relay - 711

April 18, 2013

Nelson Olavarria (Representative for the Ripon FF/NN Landfill Potentially Responsible Party (PRP) Group)
Cooper Industries
600 Travis Street, #5600
Houston, TX. 77210

SUBJECT: Conditional Approval of Revised Groundwater Monitoring Program for the Ripon HWY FF/NN Landfill
Ripon HWY FF/NN Landfill
License #467, Ripon, WI
WDNR BRRTS #02-20-000915

Dear Mr. Olavarria:

The Department and US EPA have completed the review of your request for revisions to the approved groundwater monitoring program, prepared for you by Tetra Tech Inc., received on March 21, 2013 as part of the Status Report and January, 2013 Sampling Event submittal. The Department is approving the revisions subject to the following condition.

The revised monitoring plan shall follow the attached Department revised monitoring schedule table 8 for wells to be sampled, sample parameters and sampling frequency.

The Department appreciates your efforts to restore the environment at this site. Should you have any questions regarding this letter, please call me at (608)267-7563 or email me at gary.edelstein@wisconsin.gov. Thank you for your cooperation.

Sincerely,

Gary A. Edelstein, P.E.
Waste Management Engineer
Remediation & Redevelopment Program

Attach.

cc: Kevin McKnight, DNR - ecopy
Bernard Schorle, EPA – ecopy - schorle.bernard@epa.gov
Mike Noel, Tetra Tech – ecopy – Mike.Noel@tetratech.com
Lori Rich, City of Ripon – ecopy – lrich@cityofripon.com

Table 8. Groundwater Monitoring Schedule
FF/NN Landfill, Ripon, WI

DNR

			Current Plan (4/8/11)				Proposed Plan		
Stratigraphic Layer	Sampling Point	Gradient	Water Level	MNA	VOCs	Results	Water Level	MNA	VOCs
Layer 1	MW-101	U	Q		A	ND	A		Drop
Layer 1	MW-102	S	Q		A	ND	A		Drop
Layer 1	MW-103	D	Q	Q	Q	TCE>PALs<ES	SA	SA	SA
Layer 1	MW-104	Within	Q		SA	chlorobenzene <PALs	A		A
Layer 1	MW-106	S	Q		A	ND	A		Drop
Layer 1	MW-107	D	Q		SA	ND	A		A
Layer 1	MW-108	S	Q		A	ND	A		Drop
Layer 1	MW-111	D	Q		A	ND	A		Drop
Layer 1	MW-112	D	Q	Q	Q	VC ND past 6 events	SA	SA	SA
Layer 2	P-101	U	Q		A	ND	A		Drop
Layer 2	P-102	S	Q		A	ND	A		Drop
Layer 2	P-103	D	Q	Q	Q	VC ND past 3 events	SA	SA	SA
Layer 2	P-104	Beneath	Q		A	ND	A		Drop
Layer 2	P-106	S	Q		A	ND	A		A
Layer 2	P-107	D	Q		SA	VC ND last event	A		A
Layer 2	P-108	S	Q		A	ND	A		Drop
Layer 2	P-111	D	Q		A	ND	A		Drop
Layer 3	MW-3B	D	Q	Q	Q	ND	Q	Q	Q
Layer 3	P-103D	D	Q	Q	Q	VC ND past 3 events	Q	Q	Q
Layer 3	P-111D	D	Q	Q	Q	VC>ES	Q	Q	Q
Layer 3	P-113B	D	Q	Q	Q	ND	Q	Q	Q
Layer 3	P-114	D	Q	Q	Q	VC>ES	Q	Q	Q
Layer 3	P-115	D	Q	Q	Q	VC>ES	Q	Q	Q
Layer 3	P-116	D	Q	Q	Q	ND	Q	Q	Q
Layer 4	MW-3A	D	Q	Q	Q	ND	Q	Q	Q
Layer 4	P-107D	D	Q	Q	Q	VC>ES	Q	Q	Q
Layer 4	P-113A	D	Q	Q	Q	ND	Q	Q	Q
Private Wells	Baneck	D			A				A
Private Wells	Gaastra	D			A				A
Private Wells	Rohde	D			A				A
Landfill	Leachate LH-1	Within	A		A		A		A
Landfill	Leachate LH-2	Within	A		A		A		A
Landfill	Leachate LH-3	Within	A		A		A		A
Landfill	Gas VOCs LH-1	Within			Q				A
Landfill	Gas VOCs LH-2	Within			Q				A
Landfill	Gas VOCs LH-3	Within			Q				A
Landfill	Gas VOCs GV-6	Within			Q				A
Landfill	Gas VOCs GP-3	D			Q				A
Landfill	Cap Inspection On Landfill	On Landfill			A				A

Q = Quarterly (Jan, Jul, Oct); A = Annual (Apr) SA = Semi-Annual

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
FAX 608-267-3579
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

June 8, 2017

Jeffrey Tracy (Representative for the Ripon FF/NN Landfill Potentially Responsible Party (PRP) Group)
Quantum Management Group, Inc.
216 N. Green Bay Road, Suite 201
Thiensville, WI 53002

SUBJECT: Proposed Second Replacement Sentinel Monitoring Well Work Plan Approval for the Ripon HWY FF/NN Landfill
License #467, Ripon, WI
WDNR BRRTS #02-20-000915

Dear Mr. Tracy:

The Department has reviewed the proposal for second new sentinel monitoring well (P-118) prepared by Tetra Tech and received by email on June 6, 2017. The proposal is approved subject to the following condition:

1. Monitoring well P-117 and new monitoring well P-118 shall follow the same sampling frequency and parameters as P-116. This is quarterly monitoring to include water levels, VOCs, and natural attenuation parameters. The groundwater monitoring plan that was approved in our April 18, 2013 letter approval is hereby amended to include this condition.

The Department will evaluate the need for monitoring of the 2 private wells at a regular frequency at N8851 CTH PP, the Schroeder and Washkovick wells, based on the monitoring results for new well P-118.

The Department appreciates your efforts to restore the environment at this site. Should you have any questions regarding this letter, please call me at (608)267-7563 or email me at gary.edelstein@wisconsin.gov. Thank you for your cooperation.

Sincerely,

Gary A. Edelstein
Waste Management Engineer
Remediation & Redevelopment Program

Attach.

cc: Rick Joslin, DNR - ecopy
Mary Tierney, EPA – ecopy – tierney.mary@epa.gov
Mike Noel, Tetra Tech – ecopy – Mike.Noel@tetratech.com
Lori Rich, City of Ripon – ecopy – lrich@cityofripon.com

ATTACHMENT F

REVISED WELL INFORMATION FORM (WIF)

Facility Name:	Facility ID Number:	License, Permit or Monitoring No.:	Date:	Completed By (Name and Firm):
Ripon FF/NN Landfill	431048200	467	9/14/2018	Ashley Wagner, Tetra Tech

WI Unique Well No	Well Name	DNR Well ID Number	Well Location (WTM_N / WTM_E)	DIR	Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enforcement Standards	Gradient	Distance to Waste
						Diameter	Type	Top of Well Casing	Ground Surface	MSL (y/n)	Site Datum (y/n)	Screen Top	Initial GW	Well Depth						
PG204	MW-101	110	1,239,506.8600 N 2,003,655.2600 E		5/13/1993	2.0	P	884.73	882.48	y	n	54.23	58.88	64.5	10.0	11/mw	A		U	75
PG215	P-101	131	1,239,511.2000 N 2,003,657.8000 E		5/26/1993	2.0	P	885.39	882.85	y	n	91.49	59.33	96.49	5.0	12/pz	A		U	75
PG205	MW-102	111	1,239,227.8000 N 2,004,006.5500 E		5/7/1993	2.0	P	843.9	840.88	y	n	14.00	16.36	24	10.0	11/mw	A		S	60
PJ951	P-102	123	1,239,227.4900 N 2,004,013.6100 E		5/28/1993	2.0	P	842.85	840.65	y	n	56.15	16.1	61.15	5.0	12/pz	A		S	60
PG206	MW-103	112	1,238,849.7500 N 2,003,648.0000 E		5/11/1993	2.0	P	872.3	869.63	y	n	43.70	50.00	53.7	10.0	11/mw	A		D	50
PG208	P-103	114	1,238,844.1500 N 2,003,647.1800 E		5/19/1993	2.0	P	872.74	870.74	y	n	77.34	47.39	82.34	5.0	12/pz	A		D	50
PG243	P-103D	141	1,238,847.6100 N 2,003,643.2200 E		12/10/2003	2.0	P	872.91	870.79	y	n	188.11		192.11	5.0	12/pz	A		D	50
PG207	MW-104	113	1,239,159.6200 N 2,003,380.8800 E		5/10/1993	2.0	P	875.20	872.3	y	n	44.90	48.10	54.9	10.0	11/mw	A		Within landfill	0
PG209	P-104	115	1,239,160.3300 N 2,003,387.0100 E		5/25/1993	2.0	P	875.4	872.56	y	n	87.80	48.31	92.8	5.0	12/pz	A		Within landfill	0
PG216	MW-106	132	1,238,956.1600 N 2,004,269.5400 E		6/8/1993	2.0	P	878.75	876.37	y	n	47.35	52.26	57.35	10.0	11/mw	A		S	320
PG210	P-106	116	1,238,956.6300 N 2,004,263.2400 E		6/9/1993	2.0	P	878.8	876.5	y	n	82.30	52.3	87.3	5.0	12/pz	A		S	320
PG211	MW-107	117	1,238,498.4600 N 2,003,622.9700 E		5/12/1993	2.0	P	871.69	869.36	y	n	45.29	51.36	55.29	10.0	11/mw	A		D	375
PG212	P-107	118	1,238,504.0100 N 2,003,623.4500 E		5/12/1993	2.0	P	871.33	869.15	y	n	82.13	50.52	87.13	5.0	12/pz	A		D	370
PG213	P-107D	119	1,238,506.2700 N 2,003,605.4700 E		10/22/1993	2.0	P	871.9	869.19	y	n	317.70	52.35	322.7	10.0	12/pz	A		D	370
PG214	MW-108	120	1,238,888.0900 N 2,002,921.1500 E		9/7/1993	2.0	P	845.08	842.83	y	n	20.28	25.16	30.28	10.0	11/mw	A		S	460
PJ952	P-108	125	1,238,888.9400 N 2,002,927.8400 E		9/7/1993	2.0	P	845.45	843.00	y	n	57.48	23.2	62.48	5.0	12/pz	A		S	460
PJ953	MW-111	127	1,237,970.5100 N 2,003,434.1900 E		4/4/1994	2.0	P	856.09	853.86	y	n	33.79	38.84	43.79	10.0	11/mw	A		D	900
PJ954	P-111	129	1,237,978.8500 N 2,003,433.4600 E		4/5/1994	2.0	P	856.28	853.59	y	n	77.68	38.99	82.68	5.0	12/pz	A		D	900
PG201	P-111D	130	1,237,973.4700 N 2,003,424.3000 E		4/2/2002	2.0	P	855.56	852.6	y	n	143.46	41.48	148.5	5.0	12/pz	A		D	900
LO787	MW-112	121	1,238,815.9500 N 2,003,402.7900 E		1996	2.0	P	874.7	872.64	y	n	50.47		60.47	10.0	11/mw	A		D	60

PG241	P-113A	136	1,236,675.4500	N		9/5/2002	2.0	P	833.16	830.44	y	n	320.31		325.31	5.0	12/pz	A		D	2275
			2,002,953.5400	E																	
PG242	P-113B	138	1,236,675.4500	N		9/6/2002	2.0	P	833.16	830.44	y	n	193.90		198.9	5.0	12/pz	A		D	2275
			2,002,953.5400	E																	
PG223	P-114	140	1,237,428.4800	N		1/28/2003	2.0	P	839.36	839.64	y	n	176.72		181.7	5.0	12/pz	A		D	1540
			2,003,037.0600	E																	
PG121	P-115	142	1,237,283.4200	N		4/16/2004	2.0	P	842.67	842.88	y	n	174.77	23.99	179.77	5.0	12/pz	A		D	1600
			2,003,302.8600	E																	
PG222	P-116	143	1,237,278.3300	N		4/15/2004	2.0	P	845.86	846.3	y	n	158.56	28.28	163.56	5.0	12/pz	A		D	1800
			2,002,664.3400	E																	
PG226	P-117	144	1,237,663.4900	N		11/17/2016	2.0	P	833.96	831.38	y	n	160.56	13.83	165.56	5.0	12/pz	A		D	1850
			2,002,140.1000	E																	
PG227	P-118	145	1,237,669.3100	N		8/11/2017	2.0	P	826.74	824.29	y	n	162.44	6.96	167.44	5.0	12/pz	A		D	2600
			2,001,233.2800	E																	
PG202	MW-3A	133	1,237,668.3500	N		1991	2.0	P	850.6	847.45	y	n	280.10		280.1		11/mw	A		D	1260
			2,004,099.9000	E																	
PG203	MW-3B	134	1,237,667.6400	N		1991	2.0	P	850.89	847.71	y	n	185.72		185.72		11/mw	A		D	1260
			2,004,109.7000	E																	
PR813	Rohde	207	1,236,997.0000	N		7/23/1970	8.0	S		844.98				18	228		13/pw	A		D	1930
			2,003,847.5000	E																	
	LC-1	301	1,239,362.2100	N		5/5/1993	4.0	P	876.15	872.8	y	n	7.00		27	20.0	25/lg	A		Within	0
			2,003,455.4000	E																	
	LC-2	302	1,239,178.4200	N		5/5/1993	4.0	P	866.05	862.03	y	n	16.00		26	10.0	25/lg	A		Within	0
			2,003,739.7600	E																	
	LC-3	303	1,239,023.6600	N		5/4/1993	4.0	P	877.34	874.33	y	n	6.00		26	20.0	25/lg	A		Within	0
			2,003,457.9600	E																	
	GV-1	304	1,238,928.6600	N			4.0	P		874.24	y	n					53/ge	I		Within	0
			2,003,466.9500	E																	
	GV-4	307	1,239,412.3500	N			4.0	P		873.59	y	n					53/ge	I		Within	0
			2,003,419.8800	E																	
	GV-6	309	1,239,263.8900	N			4.0	P		869.29	y	n					53/ge	A		Within	0
			2,003,584.4300	E																	
	GV-7	310	1,239,075.5700	N			4.0	P		869.75	y	n					53/ge	I		Within	0
			2,003,602.7100	E																	
	GV-9	312	1,238,929.4300	N			4.0	P		866.18	y	n					53/ge	I		Within	0
			2,003,767.2000	E																	
	GV-12	315	1,239,414.5200	N			4.0	P		859.82	y	n					53/ge	I		Within	0
			2,003,719.6100	E																	
	GP-1	400	1,239,403.6200	N		3/29/2004	2.0	P		846.47	y	n		6			51/gp	A		S	50
			2,003,963.7600	E																	
	GP-2	401	1,239,392.2400	N		5/20/2004	2.0	P		871.53	y	n					51/gp	A		S	90
			2,003,291.8600	E																	
	GP-3	402	1,238,817.1700	N		3/30/2004	2.0	P		872.18	y	n		30			51/gp	A		D	60
			2,003,415.9200	E																	
	GP-4	403	1,238,836.1700	N		3/30/2004	2.0	P		869.23	y	n		30			51/gp	A		D	50
			2,003,825.4600	E																	
	GP-5	404	1,239,304.4900	N		9/30/2004	2.0	P		840.7	y	n		3			51/gp	A		S	110
			2,004,047.5800	E																	

	GP-6	405	1,238,717.9800	N		10/1/2004	2.0	P		868.58	y	n		30			51/gp	A		D	140
			2,003,640.7400	E																	
	GP-7	406	1,238,719.1500	N		10/1/2004	2.0	P		870.74	y	n		30			51/gp	A		D	140
			2,003,421.8500	E																	
	GP-8	407	1,239,045.9400	N		9/30/2004	2.0	P		872.06	y	n		20			51/gp	A		S	140
			2,003,253.9900	E																	
	GP-10	408	1,239,605.9100	N		10/1/2004	2.0	P		868.58	y	n		30			51/gp	A		U	160
			2,003,294.8000	E																	
	GP-11	409	1,239,609.1100	N		9/30/2004	2.0	P		877.27	y	n		38			51/gp	A		U	150
			2,003,478.2900	E																	
	GP-12	410	1,239,516.6800	N		9/30/2004	2.0	P		858.05	y	n		12			51/gp	A		U	150
			2,003,988.8800	E																	
	GV-2	305	1,239,076.2000	N			4.0	P		873.81	y	n					53/ge	I		Within	0
			2,003,452.0000	E																	
	GV-3	306	1,239,262.8900	N			4.0	P		873.69	y	n					53/ge	I		Within	0
			2,003,434.9700	E																	
	GV-5	308	1,239,413.6300	N			4.0	P		868.45	y	n					53/ge	I		Within	0
			2,003,570.9500	E																	
	GV-8	311	1,238,925.4600	N			4.0	P		870.61	y	n					53/ge	I		Within	0
			2,003,618.8800	E																	
	GV-10	313	1,239,079.2100	N			4.0	P		863.35	y	n					53/ge	I		Within	0
			2,003,752.7500	E																	
	GV-11	314	1,239,262.5800	N			4.0	P		861.74	y	n					53/ge	I		Within	0
			2,003,734.3600	E																	

Prepared By: AAW
Checked By: