

Data Summary Report

Closed Snipes Mountain Landfill

July 31, 2024

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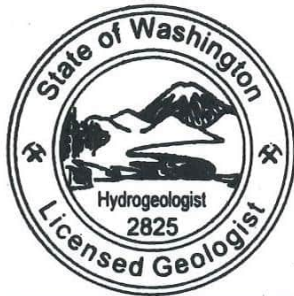
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Acronyms and Abbreviations

AO	Agreed Order
bgs	below ground surface
CFC 11	trichlorofluoromethane
CFC 12	dichlorodifluoromethane
CH ₄	methane
CO ₂	carbon dioxide
COC	Contaminant of Concern
COPC	Contaminant of Potential Concern
D&C Plan	Development and Closure Plan (Parametrix, 1991)
DBCP	1,2-Dibromo-3-chloropropane
DCE	dichloroethene
DNR	Washington State Department of Natural Resources
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
ft	feet
GP	gas probe
gpm	gallons per minute
GW	gas well
in	inches
K	permeability coefficient
lbs	pounds
LEL	lower explosive limit
LFG	landfill gas
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MEK	2-butanone
MFS	Minimum Functional Standards
mg	milligrams
MSW	municipal solid waste
MMSW	mixed municipal solid waste
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
O ₂	oxygen
PAEs	phthalate acid esters
PAHs	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl

PCE	tetrachloroethene
ppt	part-per-trillion
PVC	polyvinyl chloride
PGG	Pacific Groundwater Group
RCW	Revised Code of Washington
SAP	sampling and analysis plan
Snipes Landfill	Closed Snipes Mountain Landfill
SHA	Site Hazards Assessment
SVOCs	semi-volatile organic compounds
TCA	trichloroethane
TCE	trichloroethene
Tem	Elephant Mountain Member of the Saddle Mountain Basalt
Ter	Rattlesnake Ridge Member of the Ellensburg Formation
Teu-C	Undifferentiated Upper Ellensburg Formation – Coarse
Teu-F	Undifferentiated Upper Ellensburg Formation – Fine
TOC	total organic carbon
ug	micrograms
VC	Vinyl Chloride
VOCs	volatile organic compounds
PLP	Potentially Liable Person
WAC	Washington Administrative Code

1 Introduction

This Data Summary Report summarizes historical groundwater and landfill gas data collected at Yakima County Public Services' closed Snipes Mountain Landfill (Snipes Landfill) located in the vicinity of 1150 Luther Road, Sunnyside, WA 98944. Snipes Landfill was listed on the Washington State Department of Ecology (Ecology) Hazardous Sites List on August 27, 1991 (Facility site ID: 501; Cleanup Site ID: 3402) (Ecology, 2024a). Ecology completed a Site Hazard Assessment (SHA) on August 1, 1991, and assigned a score of 4 out of a possible 5 (score of 1 indicates the highest risk). In 2021, Ecology provided the County a notice of release and preliminary determination of liability (Ecology, 2021). This was followed by an Agreed Order effective February 29, 2024 (Ecology, 2024b).

This report was prepared for the County to satisfy the requirements of Agreed Order No. DE 22514 (AO) between the County and Ecology. Yakima County (County), including Yakima County Public Services, a department of Yakima County, is collectively referred to in this report as the Potentially Liable Person (PLP). The Site, as defined in the AO, includes, but is not limited to, Yakima County Tax Assessor's Parcel Numbers 22103031001, 22103032001, 22103032002, 22103032003, 22103042001 (Figure 1-1)¹.

The purpose of this report is to compile data from previous investigations conducted within Snipes Landfill up to and including ongoing groundwater and landfill gas monitoring relevant to the remedial investigation. Those existing data are used to identify data gaps regarding the nature and extent of contamination and contaminants of potential concern (COPCs). After finalization of this report, the County will perform the following AO-required activities:

- Prepare a Remedial Investigation Work Plan
- Conduct a Remedial Investigation
- Prepare a Remedial Investigation/Feasibility Study Report
- Quarterly Progress Reports

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¹ Note that the AO, Exhibit A. Site Location Map identifies the 5 tax parcels listed above, whereas the AO text identifies 3 tax parcels: 22103031001, 22103032001, and 22103032003.

2 Site History

2.1 Site Location

Snipes Landfill is in the southwest portion of Section 30, Township 10 North, Range 22 East (Figure 1-1). The approximately 60-acre Snipes Landfill was purchased by the County from the Washington State Department of Natural Resources (DNR) prior to 1991 (Parametrix, 1991). The Snipes Landfill includes two parcels: 22103031001 (51.48 acres) and 22103032003 (8.36 acres). Snipes Landfill is about five miles west of the downtown area of the City of Sunnyside on Luther Road in a canyon area of Snipes Mountain. Luther Road is an all-weather, paved road in decent condition.

Snipes Landfill is bordered to the north and northwest by a gravel mining operation and residential property owned by O.L. Luther, Co., an asphalt, gravel, and excavation company (NPDES Permit WAG505014). O.L. Luther, Co. tax parcels 22103032001 and 22103032002 included in the AO Site description. All other surrounding parcels are zoned for agricultural land uses, primarily growing apples and wine grapes, several of which contain one or few onsite residences. Between 2006 and 2009, agricultural fields were added to the parcel on the western boundary of Snipes Landfill (21102531001). The Yakima River is located less than one half mile from the southwestern corner of Snipes Landfill, separated by Emerald Road and two agricultural parcels.

2.2 Facility History

Prior to opening Snipes Landfill there were no documented site uses (Parametrix, 1991). Operations at Snipes Landfill started in 1968 and were taken over by the County in 1972 (Parametrix, 1991). Available records indicate land ownership was transferred from the DNR to the County in 1993.

In 1976, Snipes Landfill was designated by the Yakima County Urban and Rural Solid Waste Management Plan, adopted by the County and approved by Ecology, to remain in operation after December 1976 (Board of County Commissioners, 1974). After 1985, Snipes Landfill operated per WAC 173-304, which was issued in 1985.

In 1991, Parametrix published the Development and Closure Plan (D&C Plan) that provided the engineering design framework for closure (Parametrix, 1991). In the D&C Plan, Parametrix evaluated and found the landfill to be in compliance with Locational Standards per WAC 173-304-130. Notably, Parametrix determined that because annual precipitation was less than 12 inches, arid landfill design standards applied. Arid climate design requires no bottom liner for leachate collection and removal.

The landfill remained operational until March 30, 1994, when it was closed in accordance with WAC 173-304 and the Development and Closure Plan (D&C Plan) (Parametrix, 1991). The final cover was applied in accordance with WAC 173-351. The final cover design included 6 inches of low permeable soil on the prepared subgrade, 18 inches of cover soil, 6 inches of seeded topsoil (Parametrix, 1994).

The waste accepted at Snipes Landfill was mixed municipal solid waste (MMSW) and included industrial, commercial, residential waste, and construction and demolition debris. Specifically, the following wastes were accepted at the landfill (Parametrix, 1991):

- Agricultural
- Animal carcasses
- Ashes (quenched/cold), not including special incinerator ash regulated by RCW 70.138 and WAC 173-306
- Bulky waste
- Clean earth material
- Demolition/construction (defined in Federal Register, Vol. 53, No. 168, 8-30-88)
- Household garbage
- Industrial solids
- Inert
- Medical
- Putrescible
- Solid waste
- Vegetation
- Wood
- Woodwaste

At the time of closure, the landfill covered approximately 22.0 acres². According to a 1989 estimate, the annual mixed municipal waste stream was about 12,911 tons (Parametrix, 1991).

Septage was historically disposed of in three unlined septage ponds since at least 1977 (Figures 2-1 through 2-5). The historical photos indicate three septage pond locations, the largest within the waste footprint, which was covered at closure, and two smaller locations to the southeast. It is unclear if these eastern ponds were also covered by low permeability soil at closure in 1994.

In 1989, the facility accepted about 2,500 wet-tons (550,000 gallons at 9 lbs/gal) of liquid septage, sewage, and wet sludge for disposal in the onsite evaporation/infiltration septage pond. The last septage pond to be used was the western-most pond shown in Figures 2-1 through 2-5. Liquid waste acceptance ceased at the end of 1990 and the last septage pond was pumped out in May 1991.

Snipes Landfill currently includes structures for a toll booth/employee building, a pump house, and the Lower Valley Transfer Station, operated by Yakima County Solid Waste from 1997 to 2022 (HDR, 2017).

² Parametrix estimated that a 5.8-acre expansion area (referred to as "Phase 1" by Parametrix) along the south side would need to be filled to enhance surface water drainage, and along with a 100-ft buffer requirement, for a total Landfill footprint of 27.8 acres (Parametrix, 1991).

3 Physical Site Setting

This section summarizes geologic and hydrologic conditions in and around the Snipes Landfill.

3.1 Climate

The Köppen-Geiger climate classes in Yakima County range from Dsa (hot, dry-summer continental climate) in the western third to Bwk (cold, arid desert climate) in most of the remaining eastern two-thirds of the county. Snipes Landfill is located in the eastern third of the county. Wet and dry seasons are typical of those found in much of the Pacific Coast region, with the greatest period of precipitation occurring between October and February. The average annual precipitation in Yakima County ranges from seven inches in the Yakima Valley to over 36 inches in the vicinity of Mt. Adams, WA. Snipes Landfill receives an average of approximately seven inches of precipitation per year, based on measurements in Sunnyside, WA between 2000 and 2023 (NOAA, 2024). The number of days with measurable precipitation in the City of Sunnyside has ranged from 56 to 104 between the years 2000 and 2023, with an average of 75 days per year in which there is measurable precipitation (NOAA, 2024).

Temperatures in Yakima County vary between the extremes of -14°F and 113°F. In the City of Sunnyside, maximum summer temperatures equal or exceed 95°F on 4-48 days and reach 100°F or higher on 0-24 days. Average daily maximum temperatures exceed 80°F from June through August, and average summer minimums are in the upper 40s, producing a daily temperature range of about 40-50°F. Average maximum temperatures during the winter months are in the 30s and lower 40s, while minimums range from the 10s to the lower 20s. Between 2000-2023, minimum temperatures in the City of Sunnyside drop to 20°F or lower on 6-49 nights and 0°F or lower on 0-4 nights.

Between mid-December and mid-February, most precipitation falls as snow. Snow seldom remains on the ground for longer than six weeks at the lower elevations and accumulations range from 1-8 inches. Snow depths in the mountains will remain until spring and early summer. The predominant wind direction in Yakima County is westerly to northerly. The strongest winds occur during the fall and winter when major storms pass over the area.

3.2 Geology

Snipes Landfill is located on Snipes Mountain in the Yakima Valley of the Columbia Plateau. The Columbia Plateau covers most of central and eastern Washington and extends into Idaho and Oregon. It comprises a thick sequence of basalt flows overlain by, and occasionally interbedded with, sedimentary rock. Snipes Landfill is located on the western margin of the plateau where sedimentary rock layers are extensive.

The sequence of basalt flows covering the region has been identified as the Columbia River Basalts. The basalt flows are generally dark gray, fine-grained, and dense. The younger flows comprise the Yakima Basalt Subgroup. This subgroup is present in the Snipes Mountain area and is divided into three formations (from youngest to oldest): Saddle Mountain, Wanapum, and Grande Ronde Basalts. The Wanapum Basalt crops out within the Snipes Landfill area.

The geologic units under Snipes Landfill are shown in Figure 3-1. These units have been correlated with regionally named formations based on interpretation of boring logs (Appendices B and C) and a geologic map by Campbell (1977). The units penetrated by wells in the study area are, from shallowest to deepest (PGG, 1992):

- Eolian Silt: A wind-blown (eolian) silt (also known as loess) that mantles Snipes Landfill and much of the surrounding lands. It is a loose, light-brown silt that is usually dry and creates dust when disturbed. Figures 3-1 and 3-2 depict the distribution of the deposit where it is thick enough over a large area to hide the underlying older deposits. Many of the gravel and basalt “outcrops” indicated in Figure 3-2 are actually mantled by a thin layer of the eolian silt.
- Undifferentiated Upper Ellensburg Formation – Coarse (Columbia River gravels or Teu-C): A layer of clean to slightly silty, variously cemented, sandy gravel with cobbles occurring below the eolian silt. Apparent thickness of the gravel ranged from 7 to 165 ft in the onsite borings. The gravel pinches to zero thickness near the basalt outcrop that cuts from southeast to northwest across Snipes Landfill (Figure 3-2). The deposit thickens as the hill rises north of the basalt outcrop. It is also thick south of the outcrop at SMW-2 because of the tight fold axis and steep southerly dips.
- Undifferentiated Upper Ellensburg Formation – Fine (Teu-F): A layer of pale yellowish-brown, soft clay/siltstone underlying the gravels and overlying the basalt. Apparent thickness ranged from 0 to 60 ft in the onsite borings. Campbell (1977) placed the coarse Ellensburg facies stratigraphically above the Elephant Mountain member and did not identify this fine-grained facies.
- Elephant Mountain Member of the Saddle Mountain Basalt (Tem): A layer of basalt comprising two individual basalt flows, the basalt of Ward Gap (a flow lobe of the Elephant Mountain basalt) and the basalt of Elephant Mountain (both of the Elephant Mountain member), that occurs below the Upper Ellensburg. Apparent thickness of the basalt ranged from 81 to 91 ft in the onsite borings. In the borings, the basalt was described as dense, relatively fresh, fine-to-medium grained, and vesicular at flow tops grading to non-vesicular elsewhere. In SMW-3, a sand lens separates the Ward Gap from the Elephant Mountain flow. The basalt crops out in a pattern extending from the southeast corner of Snipes Landfill to the northwest corner (Figure 3-2). Based on field observations and Campbell (1977), the dip of the basalt along the outcrop is to the north and northeast.
- Rattlesnake Ridge Member of the Ellensburg Formation (fine grained; Ter): A unit of soft, dark yellow to brown, finely layered clay, silt, and sand underlying the basalt. The unit was encountered in both monitoring wells that penetrated the bottom of the basalt (SMW-2 and SMW-3). Well SMW-3 penetrated about 200 ft of the unit without encountering the bottom; however, the bottom 30 ft of the formation was different than the upper portions, consisting of 22 ft of blue and olive-gray clay overlain by 8 ft of sand. The unit is exposed onsite only at the small outcrop in the center of Snipes Landfill and on the extreme northwest corner of the area covered by the geologic map (Figure 3-2).

All of the penetrated geologic units below Snipes Landfill fold across the Snipes Mountain anticline, which is one of many folds of the Yakima Fold Belt. Figure 3-2 shows the estimated axis of the anticline. Snipes Landfill lies at a bend in the generally west-northwest/east-southeast trending anticline. Most of the landfill refuse and the former septage lagoon sites lie on the north side of the axis where the units dip north. Dips on the southern limb are as steep as 70 degrees (Campbell, 1977) whereas those on the north limb appear less steep based on correlation of borehole data and outcrops very close to Snipes Landfill. Campbell (1977) measured dips on the northern limb to be 50 degrees on either side of the bend in the anticline axis within which the landfill lies. The anticline appears to plunge to the northwest between MW-3 and the alignment of the cross section (Figure 3-1) although on a more regional scale it is relatively flat (Campbell, 1977).

3.3 Hydrogeology

Three onsite monitoring wells, SMW-1 through SMW-3, were installed in the summer of 1989. Three additional monitoring wells, SMW-4, SMW-5s and SMW-5d, were installed in November of 1993, where SMW-5s and SMW-5d are a nested completion in a single borehole. Monitoring

well installation and boring log information is summarized in Table 3-1 and boring logs are presented in Appendix B.

Wells SMW-1 through SMW-3 range in depth from 250 to 310 feet and each penetrates the upper-most aquifer at their respective locations. Well SMW-1 first encountered saturated conditions within the interflow zone between two basalt flows of the Tem. Well SMW-2 first encountered saturated conditions at the contact of the Tem and the underlying Ter, and SMW-3 first encountered saturated conditions within the Ter, about 200 feet stratigraphically below the Tem (Figure 3-1).

Well SMW-4 was drilled to a depth of 320 feet. The boring for the SMW-5 wells was drilled to a depth of 475 feet and two wells were constructed in that borehole with a seal between the screened sections. SMW-4 and SMW-5d were installed in the Tem aquifer to compliment SMW-1 in providing groundwater flow direction information in the regime north of the anticlinal axis and additional monitoring capability in the Tem aquifer, which showed early evidence of contamination at SMW-1. SMW-5s, screened in the Teu-C, provides monitoring of the shallowest aquifer at the SMW-5 location which is about 220 feet above the Elephant Mountain aquifer (PGG,1994). See Section 4 for discussion of water-levels and groundwater flow directions.

3.3.1 Domestic and Supply Wells

In addition to onsite monitoring wells, the following three offsite domestic and irrigation wells have been used in the past to provide local geologic and water level monitoring data (PGG, 1992). The boring logs for these three offsite wells are included in Appendix C.

DNR well: The “DNR” well is a high-capacity irrigation well located about 2000 feet north of Snipes Landfill (Figure 3-3). The DNR well typically yielded in excess of 1000 gallons per minute (gpm) prior to 1992 when operating. It operates seasonally, from April through October with periodic breaks for irrigation use and year-round domestic use. During 1992 the pumping rates were increased to around 1400 gpm, and current water rights allow instantaneous quantity of 1800 gpm. Water from the DNR well is used for irrigating 200 acres of agricultural land on the north side of Snipes Mountain near the landfill. The well appears to draw water from the Tem aquifer (Figure 3-1).

Newhouse well: The “Newhouse” well is an irrigation well located about 800 feet south of the landfill property and on the same side of the anticline axis as SMW-2 (Figure 3-3). Water rights records indicate an instantaneous pumping rate of 300 gpm to be split between four irrigation wells, including the mapped “Newhouse” well. It is used to irrigate agricultural land adjacent to the landfill on the south. An extensive open borehole is indicated in the well log that apparently crosses multiple geologic units and potentially multiple water bearing zones (Figure 3-1).

Luther well: The “Luther” well is a water supply well at O.L. Luther, Co.’s gravel mining operation northwest of the landfill that serves the industrial needs of the mining operation, one residence (DNR-owned residence just east of the landfill gate; Figure 3-3), and drinking water spigots accessible on the DNR-owned residence property. Water rights records indicate a year-round instantaneous pumping rate of 150 gpm and groundwater uses of commercial, industrial, and single domestic.

There is an additional onsite supply well, drilled in June 1995, located near the transfer center structure. The boring log for this well is included in Appendix C. The Supply well was drilled to a

depth of 415 ft bgs. The geologic information for this well has not been included in prior geologic interpretations.

Supply Well The Yakima County Public Works (Supply) well is a water supply well used for dust abatement, firefighting, and bathroom facilities (Figure 1-1). Water rights records indicate a year-round instantaneous pumping rate of 15 gpm and groundwater uses of irrigation and 2 domestic connections. This well appears to draw water from the Ter.

Ecology's well construction and licensing search shows 16 additional domestic water supply wells within Section 30, Township 10 North, Range 22 East. The location of 14 of these domestic wells can be reasonably verified to be north or northeast of Snipes Landfill. The only industrial or irrigation wells within Section 30, Township 10 North, Range 22 East are the DNR and Luther wells. In the vicinity of Snipes Landfill, there are four additional irrigation water rights with instantaneous quantities of 300-1500 gpm. The associated wells are predominantly located to the south and east in neighboring Sections.

3.4 Hydrology

The Columbia River is the primary stream draining the Columbia Plateau. Surface water drainage in the area of Snipes Landfill is to the Yakima River, which is a major tributary of the Columbia River. Surface water for irrigation is diverted from the Yakima River and routed through canals that run along both sides of Snipes Mountain. The use of surface water for irrigation water has substantially raised groundwater level in parts of the Yakima Valley (Parametrix, 1991).

Deep percolation of surface moisture from precipitation is probably limited largely to those areas of Snipes Landfill covered by coarse gravels. The surrounding areas that are covered by eolian silt have high moisture retention capacity, lower infiltration capacity, and therefore lower deep percolation and groundwater recharge. The final cap at Snipes Landfill used available onsite soil, which consists of clay/silt loess (wind-blown) over gravelly silt/clay. Testing results showed the onsite soils have a very low permeability ($K < 2 \times 10^{-6}$ cm/sec) and therefore meet the cover material requirements for arid climate landfills (Parametrix, 1991).

The acreage surrounding the landfill to the north, east, and south are agricultural parcels (Section 2.1) and are irrigated from late spring to fall. Thirty to thirty-five inches of water are applied to the parcels each season (Parametrix, 1991). The irrigation is a dominant source of water to surrounding areas and influences flow in the uppermost aquifer; however, it probably does not influence the shallow vadose flow regime below Snipes Landfill.

4 Water Levels and Groundwater Flow Directions

Table 4-1 presents well survey and water level data for the monitoring wells. The data presented in Table 4-1 is plotted in Figure 4-1 as hydrographs. Changes in monitoring well water levels reflect influences of regional and local groundwater withdrawals for irrigation. Water levels in wells SMW-1, SMW-2, SMW-4, and SMW-5d have historically declined during the irrigation season and recovered when irrigation wells are not pumping. This effect is less evident in recent data because the semi-annual measurements are not sufficient to fully document the highs and lows. SMW-1, SMW-2, SMW-4, SMW-5d, DNR, and the Newhouse well are all screened in the Tem aquifer.

In contrast to water levels in the irrigation-influenced wells, water levels in SMW-3 and SMW-5s remain nearly constant over the course of the year. The lack of response in these wells is attributed to their completion intervals, which are stratigraphically below (SMW-3) and above (SMW-5s) the Tem aquifer.

The difference in water level responses at SMW-3 compared with SMW-1 and SMW-2 indicate that low-hydraulic conductivity layers occur between the stratigraphic positions within which the monitoring wells are screened (PGG, 1994). The potential for groundwater flow directions to not be perpendicular to potentiometric surface contours is therefore high. Groundwater movement across bedding planes is reduced and groundwater movement along bedding planes is increased under these conditions. Particularly important in this case is the fact that Tem occurs above the potentiometric surface in the core of the anticline. The near-surface portion of the core of the anticline is composed of Ter which probably contains the low-hydraulic-conductivity layers responsible for the lack of response in SMW-3. Groundwater flow is likely to be reduced substantially across the barrier formed by this layer.

Groundwater heads in wells north of Snipes Mountain (SMW-1, SMW-4, SMW-5, DNR well) are 740 to 790 feet above sea level, while heads in wells south of Snipes Mountain (SMW-2, Newhouse offsite well) are 630 to 720 feet elevation (Table 4-1). Therefore, a strong apparent hydraulic gradient with about a 100-foot head differential exists across the anticlinal axis; however, because of the layering within the anticline, groundwater may not flow directly down the hydraulic gradient. Based on the response of water levels in wells presented above, the layering of the anticline appears to have a major impact on water levels and groundwater flow directions.

Although water levels at SMW-3 are not highly seasonal, they have declined approximately 4 feet from 2000 Q2 levels (Table 4-1). Water levels in SMW-3 have been too low for groundwater sample collection since 2005. In 2007, Yakima County Health District approved reducing sampling at SMW-3 to monitoring water levels with the contingency that if site conditions change significantly, sampling at SMW-3 may be required (Yakima Health, 2007). Similar, but less pronounced, declining trends are observed at SMW-1, SMW-4, SMW-5s and SW-5d (Figure 4-1). In contrast, water levels at SMW-2 have risen approximately 2 feet since 2000 Q2.

Groundwater flow direction is estimated from wells screened in the Tem aquifer including SMW-1, SMW-4 and SMW-5d. As seen in the hydrographs in Figure 4-1, the pumping of the irrigation wells changes water levels in the Tem aquifer, which also influences groundwater flow direction and gradient. When the irrigation wells are pumping, the hydraulic gradient in the Tem aquifer is towards the northeast in the north limb of the anticline (Figure 4-2). The hydraulic gradient in the Tem aquifer has historically shifted to a more southerly flow direction during the December

water level measurement when the irrigation wells are not pumping (Figure 4-3). The gradient is typically steeper during irrigation at approximately 0.0158 in 2023 Q2 and 0.004 in 2023 Q4.

Groundwater south of the anticline axis likely flows towards the Yakima River, although the number of wells is too few to triangulate direction and horizontal gradient. The vertical gradient appears to be substantial based on a 45-foot head difference between SMW-2 and the Newhouse well when the Newhouse well was not pumping (PGG, 1994). High heads in the deep Newhouse well, relative to the shallower SMW-2, indicates upward groundwater flow. Upward groundwater flow is typical near low-elevation rivers.

5 Site Characterization

5.1 Previous Environmental Investigations

Groundwater monitoring data has been collected at Snipes Landfill on an ongoing basis since the installation of monitoring wells SMW-1, SMW-2, and SMW-3 in 1989. Routine monitoring includes analytical parameters included the Minimum Functional Standard (MFS) suite defined in WAC 173-304-490 and volatile organic compounds (VOCs). Routine monitoring, while ongoing, is separate and distinct from the investigation and clean-up of the Snipes Landfill Site under WAC 173-340, Model Toxics Control Act (MTCA). Discussion of routine monitoring data is included for the purposes of data summarization relevant to identification of data gaps and workplan development. Additional priority pollutant metals, pesticides, PCBs, and herbicides have been analyzed, but are not part of routine monitoring. A summary of monitoring activities, including variances and modifications to monitoring at Snipes Landfill include:

- In September 1989, wells (SMW-1, SMW-2, and SMW-3) were sampled for pesticides/PCBs, organophosphorus pesticides, and herbicides. There were no detections no subsequent analysis for pesticides has been performed.
- In September 1989, wells (SMW-1, SMW-2, and SMW-3) were sampled for priority pollutant metals (i.e. arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Concentrations did not exceed the state primary and secondary drinking water standards and were reported to be “in the range of expected ambient values based on published data and typical aquifer chemistry nearby the site” (Parametrix, 1991). No subsequent analysis for priority pollutant metals has been performed.
- The 1989 data were collected following a sampling and analysis plan (SAP) for the Snipes Mountain Landfill Environmental Assessment (Parametrix, 1989). Based on the 1989 results, the SAP was revised to include MFS parameters and VOCs (Appendix D of the D&C Plan, Parametrix, 1991).
- In December 1989, the O.L. Luther, Co. (Luther) well in the north of the Snipes Landfill was sampled for VOCs and none were detected in the absence of blank contamination.
- Prior to 1991, three gas monitoring probes were installed at the north, northeast, and southwest edges of Snipes Landfill to a depth of 50 ft (Figure 1-1).
- In November 1993, monitoring well SMW-4 was installed approximately 500 feet (ft) to the east of SMW-1 to provide groundwater flow information and monitoring in the Tem.
- In November 1993, monitoring wells SMW-5s and SMW-5d were installed in a single borehole approximately 760 ft to the north of SMW-1 to provide groundwater flow information and monitoring in the Tem.
- In 1993, the DNR well was sampled for MFS analytes and VOCs. No VOCs were detected in the absence of blank contamination (PGG, 1994).
- In 1994, the landfill was closed and capped, and a passive landfill gas collection system was installed (specific installation date unknown).
- In 1997, total coliform sampling was discontinued per Yakima Health Department (May 22, 1997) (PGG, 1997).
- In August 1998, a variance was granted allowing monitoring at the landfill to be conducted on a semi-annual basis as opposed to a quarterly basis (Ecology and Dept. of Health, 1998).
- In March 2007, the Yakima Health District approved reducing sampling at SMW-3 to only water level measurements due to declining water levels preventing the collection of samples with the existing pump configuration (Yakima Health, 2007).

- In July and August 2010, five offsite wells extending north to Gap Road and east to Floral Lane were sampled for VOCs, which were not detected (Figure 3-3).
- In June 2012, the potable water at the DNR-owned house near the entrance to Snipes Landfill was sampled for VOCs and none were detected. The DNR property gets potable water from a well located on the Luther facility property northwest of Snipes Landfill.
- In October 2014, three offsite wells, including the Luther well and two residences along Gap Road, were sampled for VOCs.
- In November 2014, two offsite wells, including the Luther well and one residence along Gap Road, were sampled for VOCs to verify prior detections.
- In December 2014, two offsite wells, including the Luther well and one residence along Luther Road, were sampled for VOCs to verify prior detections.
- In June 2015, groundwater samples were collected at the Luther well and the DNR well on Luther Road and analyzed for VOCs.
- In March 2016, groundwater samples were collected at the Luther well and the DNR well on Luther Road and analyzed for VOCs.
- In June 2016, groundwater samples were collected from the DNR well on Luther Road and analyzed for VOCs.
- In December 2018, groundwater samples were collected at the Luther well and analyzed for VOCs. PCE was detected at 7.27 ug/L, above the MCL (5 ug/L).
- On January 2, 2019, Yakima County notified O.L. Luther, Co. and the lessee of the DNR Land and residence, served by the Luther well, of the exceedance. Yakima County notified the Yakima Health District on January 3, 2019. Yakima County began providing bottled water to the DNR-owned residence on January 5, 2019 (PGG, 2019).
- In April 2019, groundwater samples were collected at the Luther well and the DNR well on Luther Road and analyzed for VOCs.

See Section 5.2.3 for a summary of VOC detections at monitoring and offsite wells.

5.2 Groundwater Monitoring Analytical Results

Groundwater monitoring began at Snipes Landfill in September 1989 following the installation and sampling of wells SMW-1, SMW-2, and SMW-3. Initial analyses included results for pesticides/PCBs, organophosphorus pesticides, herbicides, and for priority pollutant metals (i.e. arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). These data were collected following a sampling and analysis plan (SAP) for the Snipes Mountain Landfill Environmental Assessment (Parametrix, 1989). Based on the 1989 results, the SAP was revised to include MFS parameters and VOCs (Appendix D of the D&C Plan, Parametrix, 1991). Groundwater monitoring results and collected field parameters are presented in Appendix A.

Volatile organic compounds were detected at SMW-1, notably tetrachloroethene (PCE). Monitoring wells SMW-4, SMW-5s, and SMW-5d were installed in November 1993 and included in the ongoing monitoring program in response to PCE detections at SMW-1 and to improve the understanding of groundwater flow north of the landfill (PGG, 1994). The geologic and chemical data from drilling and sampling operations generally confirmed the site hydrogeologic conceptual model (Figure 3-1).

5.2.1 Conventional Parameters

Summary statistics for conventional parameters chloride, nitrate, sulfate, total organic carbon (TOC) and selected organics for the onsite monitoring wells are presented in Table 5-1. All onsite groundwater monitoring results from 2019-2023, including collected field parameters, are detailed in Tables 5-2a through 5-6b. Water quality results for the conventional parameters do not exceed site screening levels. However, the increasing trends in chloride, nitrate, sulfate, and

specific conductance at SMW-5s through 2014 followed by declines over the last year are consistent with the arrival of a groundwater plume with a decreasing source. This is qualitatively consistent with the site conceptual model of a set of releases at Snipes Landfill that stopped concurrent with landfill closure (Mott MacDonald, 2024).

5.2.2 Metals

Concentrations of metals, including dissolved iron, manganese and zinc, for onsite monitoring wells from 2019-2023 are detailed in Tables 5-2a through 5-6b. Time series plots of metals concentrations are presented in Figures 5-5 through 5-7. Historical exceedances include:

- Dissolved iron has infrequently exceeded the screening level (0.3 mg/L) at SMW-1 (n = 3 of 73), and SMW-2 (n = 1 of 86), SMW-5s (n = 1 of 66) (Figure 5-5). None of the exceedances occurred during consecutive sampling events.
- Dissolved manganese concentrations approach and exceed the screening level (0.05 mg/L) at SMW-1 (n = 5 of 73), SMW-2 (n = 2 of 86), SMW-5s (n = 3 of 66), and SMW-5d (n = 44 of 58) (Figure 5-6). Dissolved manganese last exceeded the screening level at SMW-5d in June 2018³.
 - SWM-1 exceeded the screening level in consecutive events 2004 Q2 and 2004 Q4.
 - SMW-2 did not exceed the screening level in consecutive events.
 - SMW-5s exceeded the screening level in consecutive events 2023 Q2 and 2023 Q4.
 - SMW-5d exceeded the screening level frequently since installation. The dissolved manganese concentrations in SMW-5d had a long-term decreasing trend followed by stabilization from 2013 through 2016.
- Dissolved zinc has not exceeded the screening level (5 mg/L) at any monitoring well since groundwater sampling began (Figure 5-7).

5.2.3 Volatile Organic Compounds

5.2.3.1 Onsite Monitoring Wells

A limited number of volatile organic compounds (VOCs) have been consistently detected in wells SMW-1 and SMW-4 since monitoring began in 1989 and 1994, and at SMW-5s since 2010. Reporting limits for VOC analyses were lowered 2013 to conform to current laboratory standards of practice. Several constituents are now detected at concentrations below the previous standard reporting limits. Concentrations of VOCs for onsite monitoring wells from 2019-2023 are detailed alongside the respective screening levels in Tables 5-2a through 5-6b.

PCE is the highest-concentration VOC contaminant at Snipes Landfill and the most frequently detected analyte above the most stringent groundwater screening level from CLARC (5 ug/L, drinking water standard (MCL)) (Ecology, 2012 and Ecology, 2024c). Key PCE results include:

- PCE has been detected at SMW-1 in every sample collected since 1989, and frequently above the MCL (n = 68 of 73) (Figure 5-8).
- PCE has also been consistently detected in SMW-4 since the well was installed in 1994, and frequently above the MCL (n = 43 of 55).
- PCE has been detected in SMW-5s consistently since 2010, and above the MCL n = 2 of 70 times (Figure 5-8).
- PCE has not been detected in SMW-2 or SMW-5d.

³ Monitoring well SMW-5d was unable to be sampled between June 2018 (2018 Q2) and January 2023 (2022 Q4) due to repeated pump failures.

- There have not been any detections of PCE degradation products trans-1,2-dichloroethene (DCE) or vinyl chloride, although cis-1,2-DCE has been detected at SMW-1 and SMW-4 (Figure 5-9).

Of the other VOCs commonly detected onsite, only Dichloromethane (Methylene Chloride) at SMW-1 has exceed drinking water MCLs in a single disconfirmed result from 1994 Q2. Key VOC results include:

- 1,1-Dichloroethene has been detected at SMW-1 (n=6), below the screening level (7 ug/L).
- 2-Butanone (MEK) has been detected at SMW-4 (n = 6), SMW-5s (n = 7), and SMW-5d (n = 5), below the screening level (4800 ug/L). MEK has not been detected in any well since December 1995.
- Acetone has been detected at SMW-1 (n = 3), SMW-2 (n = 2), SMW-4 (n = 5), SMW-5s (n = 3), SMW-5d (n = 3), below the screening level (7200 ug/L).
- Carbon tetrachloride has been detected at SMW-1 (n = 14) below the MCL (5 ug/L), with one exception in 1990 Q1. Carbon tetrachloride has not been detected since March 1995.
- Cis-1,2-DCE has been detected at SMW-1 (n = 1) and SMW-4 (n = 8), below the MCL (16 ug/L). The first cis-1,2-DCE detection at SMW-4 was in December 2013.
- Dichloromethane (Methylene Chloride) has been detected at SMW-1 (n = 9) above the MCL (5 ug/L) in a single disconfirmed result from 1994 Q2 (303 ug/L), and with 7 detections with “B” flags indicating blank contamination (0.6 to 4 ug/L), and one unqualified detection of 1.1. Also, Dichloromethane (Methylene Chloride) has been detected once in the other wells below the MCL (5 ug/L).
- Dichlorodifluoromethane (CFC 12) has been detected at SMW-1 (n = 13), SMW-4 (n = 9), and SMW-5s (n = 4) well below the screening level (1600 ug/L).
- Trichloroethene (TCE) has been detected at SMW-1 (n = 33), SMW-4 (n = 11), and SMW-5s (n = 14) (Figure 5-10). TCE detections are below the “Adjusted EPA/State” MCL (4 ug/L) (Ecology, 2020).
- Trichlorofluoromethane (CFC 11) has been detected at SMW-1 (n = 19) and SMW-4 (n = 1) below the screening level (2400 ug/L).

VOCs rarely detected, including unconfirmed detections, onsite include:

- SMW-1:
 - n = 1: Acrolein and Dibromochloromethane
 - n = 2: 1,1,1-Trichloroethane (TCA) and Benzene
- SMW-4:
 - n = 1: Acrolein and Chloroethane
 - n = 2: 1,1,1-TCA and Benzene
- SMW-5d:
 - n = 1: Acrolein and 1,1,2-Trichloro-1,2,2-trifluoroethane
- SMW-5s:
 - n = 1: Acrolein, 1,2-Dibromo-3-chloropropane (DBCP), and Chloroethane
 - n = 3: 1,1,2-Trichloro-1,2,2-trifluoroethane

5.2.3.2 Offsite Wells

Yakima County has collected samples and tested for VOCs at offsite wells intermittently since 1993, with the most recent round of samples collected in 2020 Q2 (Section 5.1). With the

exception of the Luther well, no offsite wells exhibit regular VOC detections or trends (Table 5-7). Since 2010 the following offsite wells have been sampled: Luther, DNR Well, 2250 Gap Rd, 388 Luther Road, 2610 Gap Rd, 2780 Gap Rd, 3010 Gap Rd, 3018 Gap Rd. Detections in offsite wells sampled since 2010 are summarized below.

- The Luther well (n = 9):
 - The Luther well was sampled in 2012 Q2 (via DNR-owned residence), 2014 Q4, 2014 Q4.1, 2014 Q4.2, 2015 Q2, 2016 Q1, 2018 Q4, 2019 Q1.2, and 2020 Q2.
 - PCE was detected at the Luther well in eight samples with concentrations above the drinking water MCL (5 ug/L) in 2018 Q4 (7.27 ug/L) (Figure 5-11).
 - TCE was detected once at 0.37 ug/L in 2018 Q4, below the MCL (4 ug/L).
 - Carbon tetrachloride was detected once at 0.2 ug/L in the 2014 Q4.2 sample, below the MCL (5 ug/L).
- DNR Well (n = 5):
 - The DNR well was sampled in 2010 Q2.5, 2015 Q3, 2016 Q1, 2016 Q2, 2019 Q1.2, and 2020 Q2 and analyzed for VOCs.
 - Carbon disulfide was detected once (0.91 ug/L) at the DNR well in 2016 Q2, below the most stringent screening level value (800 ug/L, MTCA Method B).
 - Acetone was detected once (7.94 ug/L) at the DNR well in 2019 Q1.2, below the screening level (7200 ug/L).
 - PCE, TCE, and other VOCs have not been detected in DNR well samples.
- 2250 Gap Road (n = 2):
 - The 2250 Gap Road well was sampled in 2014 Q4.1 and 2014 Q4.2 and analyzed for VOCs.
 - Carbon disulfide was detected at 2250 Gap Road at 0.24 ug/L in 2014 Q4.2, below the most stringent screening level value (800 ug/L, MTCA Method B).
 - PCE, TCE, and other VOCs have not been detected in 2250 Gap Road well samples.
- 388 Luther Road (n = 2):
 - The 388 Luther Road well was sampled in 2014 Q4.1 and 2014 Q4.2 and analyzed for VOCs.
 - Chloroform was detected at 388 Luther Road at 0.64 ug/L 2014 Q4.2, below the most stringent screening level value (14.1 ug/L, MCL).
 - PCE, TCE, and other VOCs have not been detected in 388 Luther Road well samples.
- 2610 Gap Road, 2780 Gap Road, 3010 Gap Road, and 3018 Gap Road:
 - No VOCs were detected in the samples collected at these wells.

5.2.3.3 VOC Concentration Trends

PCE is the highest-concentration and the most frequently detected VOC at Snipes Landfill. Mann-Kendall trend test result for the last 3 years, on 5-year intervals, and 10-year intervals for wells with frequent detections (SWM-1, SMW-4, and SMW-5S) is included as Table 5-8. Multiple time scales were evaluated for trend analysis because the shift to lower sampling frequency, intermittent pump issues, and concentration variability affect the three wells individually.

Key onsite PCE trends include (Figure 5-8):

- The timeseries plot of PCE concentrations at SMW-1 showed a decreasing trend for approximately seven years after the septage ponds were pumped out in 1991. The highest PCE detection was 350 ug/L in the second quarter of 1999, and the second highest was 17 ug/L in the second quarter of 2021; most results fall between 5 and 15 ug/L. Mann-Kendall results generally show negative tau values, indicating downward trends over the last 3, 5, and 10 year periods, while only the last 3 year downward trend is statistically significant ($p < 0.05$).
- The timeseries plot PCE concentrations at SMW-4⁴ are less variable than concentrations at SMW-1, having slowly increased between 1994 and 2000 and are generally stable through 2014, and decreasing in the range of 5 to 10 ug/L. Mann-Kendall results show a statistically significant downward trend ($p < 0.05$) over the last 10 year period while the trend analysis for the last 3 and 5 year periods is inconclusive due to low sample counts and concentration variability.
- PCE detection frequency and concentrations at SMW-5s increased beginning in 2010. Concentrations increased through 2012, stabilized below 5 ug/L, and appear to have decreased since 2020. Mann-Kendall results show a statistically significant downward trend ($p < 0.05$) over the last 5- and 10-year periods, and a downward trend (negative tau) but not significant decrease over the last 3 years.

The rise and recent declines in PCE concentrations at SMW-5s appear to be following the trends for chloride, sulfate, and nitrate. The inorganic compounds are common leachate indicators and the rising and falling trends may reflect a slug of landfill-impacted groundwater moving past well SMW-5s.

PCE concentrations at the Luther well are plotted alongside onsite monitoring well results in Figure 5-11. Detected concentrations in the Luther well generally fall between the concentrations observed at SMW-1 and SMW-4, however, a trend is unable to be discerned due to the limited duration of sampling relative to the onsite monitoring wells.

5.2.4 Additional Analytes

In September 1989, wells (SMW-1, SMW-2, and SMW-3) were sampled for pesticides/PCBs, organophosphorus pesticides, herbicides, and for priority pollutant metals (i.e. arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). There were no detections of pesticides/PCBs, organophosphorus pesticides, or herbicides. Subsequent analysis was not included in subsequent sampling events. Concentrations of priority pollutant metals did not exceed the state primary and secondary drinking water standards and were reported to be “in the range of expected ambient values based on published data and typical aquifer chemistry nearby the site” (Parametrix, 1991). These data were collected following a sampling and analysis plan (SAP) for the Snipes Mountain Landfill Environmental Assessment (Parametrix 1989). Based on the 1989 results, the SAP was revised to include MFS parameters and VOCs (Appendix D of the D&C Plan, Parametrix, 1991).

5.3 Landfill Gas Monitoring

Snipes Landfill has six soil gas probes (GP) installed in three borings around the perimeter of the landfill, 10 wells in the passive gas collection system, and a flare that are sampled quarterly (Figure 1-1). GP borings GP-1 through GP-3 were drilled prior to 1991 to provide landfill gas monitoring capability. The GP borings were terminated at a 50-ft depth in the vadose zone. Each gas probe boring contains a shallow probe that is screened between 5 and 25 ft below ground surface (bgs) and a deep probe that is screened between 30 and 50 ft bgs. Figure 5-12

⁴ Monitoring well SMW-4 was unable to be sampled between June 2015 (2015 Q2) and June 2020 (2020 Q2) due to repeated pump failures.

depicts the generalized gas probe design (Parametrix, 1991). All six soil GPs were constructed using 0.75-inch PVC. Landfill gas (LFG) monitoring activities consist of recording the percents methane (CH₄), carbon dioxide (CO₂), and oxygen (O₂) as well as the barometric and static pressures during groundwater monitoring events. The gas percentages for monitoring events conducted in 2019-2023 are reported in Tables 5-9a through 5-9e. Monitoring data indicate the maximum recorded methane detection in the gas probes along the property boundary is 0.6 percent (%), which is below the LEL (5.0%) indicating that the passive gas collection system is adequately preventing offsite migration (Table 5-10).

The 10 Gas Wells (GW-1 to GW-10) are presumed to have been installed during closure activities in 1994 to create a passive gas collection system that terminates at the flare north of GW-1 and GW-2. Available data records for the gas well monitoring, which begin in March 2003 at the 10 locations, indicate that methane has regularly been detected in the passive gas collection system. Methane concentrations tend to be higher at the monitoring points further from the flare and are approximately correlated with the measured static pressure. Methane percentages reached a maximum of 58.1% in 2004 Q3 at GW-10. Measured methane has exceeded the LEL in 534 of 877 measurements (60.9%) within the passive gas collection system, including measurements at the flare.

6 Preliminary Conceptual Model

Potential sources and pathways of groundwater contamination at Snipes Landfill include vadose zone transport of leachate from the refuse, vadose zone transport of liquids from former septage lagoons, and landfill gas vadose zone transport of VOCs to the water table. The following sections will discuss these sources and transport pathways to groundwater, groundwater fate and transport, groundwater exposure pathways, and site contaminants of potential concern.

6.1 Sources and Transport Pathways to Groundwater

Leachate is the liquid that drains from landfill materials. Leachate is generated as a result of excess rainwater infiltration through different waste layers. The primary factor that controls the quantity of leachate generated is annual precipitation, and to a lesser extent runoff, infiltration, evaporation, transpiration, ambient temperature, waste composition and density, initial waste moisture content and the thickness of the landfill materials, which are secondary factors.

6.1.1 Leachate

6.1.1.1 Leachate Quantity

Snipes Landfill receives an average of approximately seven inches of precipitation per year (Section 3.1), which is, as was noted in the 1991 D&C plan, below the arid design criteria of 12 inches per year applicable to unlined landfills (WAC 173-304-460). Accordingly, the 1991 D&C plan used the arid design criteria for the Snipes Landfill. In 1994, when the landfill was closed, as described in the 1991 D&C plan, the waste was covered with low permeability soil and graded to control runoff. The low permeability soil cover in place after 1994 minimizes rainwater infiltration into waste material and reduces leachate generation significantly as long as the cover integrity is maintained (Kjeldsen, et al. 2002). Leachate production may have increased over time from 1968 until closure in 1994, as the landfill footprint increased in size to 22 acres, and then significantly decreased after placement of the low permeability cover. The D&C Plan water balance model for the proposed design estimated that 5% of annual rainfall would become leachate and the other 95% lost to evapotranspiration and runoff, or 1,430 cubic feet/acre/year (0.4 acre-in) (Parametrix, 1991). The D&C Plan notes that the HELP2 model used in the analysis tends to overestimate infiltration, stating that “In fact, there may be no leachate generated by infiltration of precipitation” (Parametrix, 1991).

6.1.1.2 Leachate Chemistry

The dominant leachate indicators are influenced by waste types, economic and social development, rainfall and humidity, landfill age, and operation status (He et al., 2023; Moody & Townsend, 2017). For example, the concentrations of VOCs and SVOCs increase with the degradation of chemical waste such as plastics at the early stage of landfill, but gradually decrease after the landfill is closed (He et al., 2023).

The physical, chemical, and biological indicators of landfill leachate (EPA, 1979; Foley et al., 2012; Sabel & Clark, 1984; He et al., 2023) include:

- Physical: Conductivity, Oxidation-Reduction Potential, pH, Temperature
- Chemical, Organic: Chemical Oxygen Demand (COD), Chlorofluorocarbons (CFCs), Total Organic Carbon (TOC), VOCs, and Semi-Volatile Organic Compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), phthalate acid esters (PAEs) and phenols
- Chemical, Inorganic: Ammonia, Chloride, Heavy Metals (Iron, Manganese), Nitrate-N, Nitrite-N, Sulfate

With the exception of SVOCs, the leachate indicators listed above are part of routine groundwater monitoring (i.e. MFS parameters and VOCs). PCE, which is frequently detected in onsite monitoring wells SMW-1, SMW-4, and SMW-5s, is found in leachate as a result of landfilled consumer products.

More recently, Ecology completed a survey of PFAS in Washington state landfill leachate. Ecology collected leachate samples from 19 predominantly municipal solid waste landfills and analyzed 29 samples for PFAS. The study had a 100 percent PFAS detection rate with the highest PFAS sum of 173,029 ng/L (part-per-trillion; ppt) and a mean concentration of 32,220 ng/L (ppt) (Ecology, 2022). PFAS have not yet been analyzed for at Snipes Landfill.

6.1.1.3 Leachate Pathway to Groundwater

The presence of elevated chloride, sulfate, and nitrate in groundwater monitoring results at monitoring wells SMW-1 and SMW-5s is consistent with groundwater has been impacted by landfill leachate. Additionally, the presence of PCE, TCE, and Trichlorofluoromethane (CFC 11) are also consistent with a leachate source to groundwater. Chloride increased from 1989 through 2004 at SMW-1, followed by stabilization from 2006 through 2023. At SMW-5s, chloride increased from 2000 through 2012 and is stabilizing to decreasing with variability from 2015 through 2023 (Section 5.2.1).

Mann-Kendal trend results for PCE in SMW-1, SMW-4, and SMW-5s overall show downward concentrations (negative tau) over 3 year, 5 year, and 10 year time scales, and the following statistically significant downward trends:

- SMW-1 Downward (2021 to 2024)
- SMW-4 Downward (2014 to 2024)
- SMW-5s Downward (2019 to 2024 and 2014 to 2024)

Multiple time scales were evaluated for trend analysis because the shift to lower sampling frequency, intermittent pump issues, and concentration variability affect the three wells individually.

These trends are consistent with a decreasing source and a site conceptual model where leachate releases were curtailed concurrent with landfill closure (Mott MacDonald, 2024). The leachate pathway, while likely complete prior to 1994, appears to be incomplete at present.

6.1.2 Septage Ponds

Septage was historically disposed of in three unlined septage ponds since at least 1977 (Figures 2-1 through 2-5). In 1989, the facility accepted about 2,500 wet-tons (550,000 gallons at 9 lbs/gal) of liquid septage wastes. Liquid waste acceptance ceased at the end of 1990 and the last septage pond was pumped out in May 1991.

VOC detections are consistent with septage disposal into the landfill prior to 1991. Historically, TCE, PCE, 1,1,1-TCA (methyl chloroform), and methylene chloride (dichloromethane) were commonly used as septic tank cleaners either directly or as a brand name cleaner. TCE was an ingredient in septic tank cleaners in the 1970s and 1980s in the US and appear to have been largely phased-out by the mid-1980s (Morrison and Murphy, 2013). Similarly, 1,1,1-TCA was present in some formulations of septic tank cleaners in the 1970s and early 1980s (Morrison and Murphy, 2013). Also, 1,1,1-TCA was often stabilized with 1,4-dioxane and is a noted groundwater contaminant at some landfills that received septic waste (Mohr et al., 2020). Septic cleaning solvents containing 1,4-dioxane stabilized 1,1,1-TCA were used before such cleaners were banned in 1981 (Mohr et al., 2020).

As degreasers, the solvents were effective at breaking down the sludge built up in the septic tanks to extend intervals being pumping out the tanks (Appendix H of CRA, 2012). For example, a 1979 analysis of the Drainz product included PCE, 1,1,1-TCA, methylene chloride, and chloroform (Appendix H of CRA, 2012).

As noted for leachate, the presence of elevated PCE and TCE in groundwater monitoring results at monitoring wells SMW-1, SMW-4, and SMW-5s is consistent with groundwater that has been impacted by septage pond liquids. This potential historical transport pathway is not contradicted by the absence of detections of 1,1,1-TCA and methylene chloride in groundwater.

Similar to leachate, the septage lagoon to groundwater transport pathway may have been complete prior to 1991 and appears to be incomplete at present. Although, the presence or absence of a low-permeability cover in those areas remains to be verified.

6.1.3 Landfill Gas

Landfill gas is generated by three processes—bacterial decomposition, volatilization, and chemical reactions. Most landfill gas is produced by bacterial decomposition, which occurs when organic waste is broken down by bacteria naturally present in the waste and in the soil used to cover the landfill. Bacteria decompose landfill waste in four phases where the composition of the gas produced changes with each of the four phases of decomposition. Approaching the later phase of LFG generation methane concentrations increase to 45-60% by volume, and then decline (ATSDR, 2001).

The rate and volume of landfill gas produced depend on the characteristics of the waste, primarily the composition and age of the refuse and environmental factors such as oxygen, moisture content, and temperature (ATSDR, 2001). Typically, landfills produce appreciable amounts of gas within 1 to 3 years, peak production at 5 to 7 years, and decrease in production within 20 years after waste is dumped, with small quantities for 50 or more years (ASTDR, 2001). Under a low-methane yield scenario, slowly decomposing waste will produce methane after 5 years and continue emitting gas over a 40-year period (ASTDR, 2001). The D&C Plan forecasted that because of the arid nature of the site, landfill gas generation would be low, and that existing conditions (circa 1991) do not favor gas generation or subsurface methane migration, (Parametrix, 1991).

The 10 Gas Wells (GW-1 to GW-10), installed during closure activities in 1994 to create a passive gas collection system, have been routinely monitored since 2003 (9 years after landfill closure) as described in Section 5 (2019-2023 data presented in Tables 5-9a through 5-9e). Monitoring data, generally show a long-term decline of methane and carbon dioxide concentrations (Figures 6-1a and 6-1b) consistent with later, declining stage LFG generation. The exception is in the southwestern portion of the landfill, where GW-10 has shown consistent methane concentrations above 40%, and smaller declines. Oxygen concentrations generally show relatively stable to increasing oxygen concentrations over the long-term, with the exceptions of GW-1 and GW-2 (Figure 6-1c).

The age of the landfill refuse ranges from 30 to 56 years old. The age of the refuse and the long-term decline of methane and carbon dioxide concentrations is consistent with later, declining stage of LFG generation. The lack of exceedances in perimeter gas probes indicate that the passive gas collection system is adequately preventing offsite migration.

Landfill gas migration and contaminant transport to groundwater at the water table is an uncommon pathway. At this site, the vadose zone is more than 100 ft thick below refuse. This pathway is considered potentially incomplete.

6.2 Groundwater Fate and Transport

The biodegradation process for PCE in groundwater is chiefly through reductive dichlorination, from PCE to TCE, cis-1,2-DCE, with minor amounts of trans-1,2-DCE and 1,1-DCE, Vinyl Chloride (VC), and finally to ethene (CLU-IN, 2023). A time series of the concentrations of PCE and its degradation products at SMW-1 are presented in Figure 6-2. TCE, which can be both a primary organic contaminant and degradation product, has been regularly detected at Snipes Landfill since monitoring began in 1989 at SMW-1, SMW-4, and SMW-5s below the MCL. On the other hand, cis-1,2-DCE has been infrequently detected in SMW-1 (one unconfirmed result in 2021 Q2) and SWM-4, below the MCL (16 ug/L). There have been 8 detections of cis-1,2-DCE in SMW-4 beginning in 2013 Q4 (Figure 5-9; Table 5-1). VC has not been detected at Snipes Landfill monitoring wells. There have been no detections of TCE, cis-1,2-DCE, or VC in offsite wells.

Seasonal pumping of the irrigation wells changes water levels in the Tem aquifer and influences the groundwater flow direction and gradient, resulting in a flow direction reversal between winter and summer months with a net transport direction to the north-northeast (Section 4). Due to this prevailing groundwater flow direction north of the anticline, it is unlikely that an offsite release would have a large impact on water quality at SMW-1 or SMW-4.

Chloride, which is a conservative tracer because it does not breakdown or transform, (Figure 5-2) and nitrate (Figure 5-4) can be used to understand the fate and transport of the impacted groundwater. The timeseries for chloride and nitrate, as well as specific conductance and sulfate, suggest that a leachate-impacted groundwater plume arrived at SMW-5s between approximately 2001 and 2006, which pre-dates the arrival of PCE to the well in 2010. Similar, but less pronounced, patterns are observed at SMW-1 for chloride, nitrate, and sulfide. The beginning of these concentration increases pre-date groundwater monitoring at Snipes Landfill. Only a moderate increase in chloride concentration is observed at SMW-4 starting in approximately 2003. This data supports the assertion that groundwater transport of contaminants is largely to the north-northeast, coincident with summer seasonal pumping of irrigation wells, but suggests that there is an additional mechanism that results in favorable transport into the Teu-C (SMW-5s) from the Tem (SMW-1 and SMW-4) or directly from the contaminant source. This includes geologic complexities associated with the anticline as well as the interaction between landfill refuse, a leachate transport pathway, and surficial geologic units now under the refuse.

The uncertainty in contaminant flow paths and the need for further hydrogeologic conceptual model development will be addressed in the forthcoming Remedial Investigation Workplan.

6.3 Exposure Pathways and Potential Receptors

Potential human exposure pathways for contaminants at Snipes Landfill include:

- Drinking water consumption and use.
- Migration via volatilization and inhalation of airborne vapors into nearby facilities and residences, or through the landfill cover for workers or trespassers at the landfill.
- Direct contact with contaminated soils by site workers performing subsurface activities in the vicinity of the closed septage lagoons.
- Consumption of produce that was irrigated with contaminated groundwater.

Potential ecological exposure pathways for contaminants at Snipes Landfill include:

- Consumption of well water by pets or livestock.
- Wildlife feeding on insects in the soil or on vegetation that has grown on the cover material.

- Ecological exposure via contaminated surface water and human exposure through river recreation or consumption of aquatic organisms.

Based on the results of offsite well water sampling, it is known that contaminant exposure from drinking well water is a complete exposure pathway for PCE at the Luther well and the residence the well supplies, and a potentially complete exposure pathway for PCE and other drinking water contaminants at neighboring residences to the north and northeast that use well water, although there have been no PCE detections or MCL exceedances for VOCs in offsite wells, other than PCE in the Luther well.

Communications with the O.L. Luther, Co. facility indicate that bottled water is used for drinking at the facility for operational reasons (PGG, 2016), currently mitigating this exposure pathway from the Luther well at the O.L. Luther, Co. facility. Additionally, this exposure pathway, from the Luther well, is also being mitigated through the use of bottled water supplied by Yakima County since January 2019 to the adjacent DNR-owned residence (PGG, 2019). Exposure through drinking water is a potential human exposure pathway for workers consuming water through spigots accessible on the property of the DNR-owned residence.

Results at SMW-2 indicate that there is a potentially incomplete drinking water exposure pathway south of the anticline, and unlikely that contaminants are migrating from Snipes Landfill into the Yakima River. Other exposure pathways are either incomplete or controlled by Yakima County through worker health and safety protocols (e.g. LFG inhalation and soil excavation).

6.4 Site Contaminants of Potential Concern

When Snipes Landfill was listed on the Ecology Hazardous Sites List in 1991, halogenated organics were identified as the present contaminant type with confirmed impact to soil and water and suspected impact to drinking water. PCE is a halogenated organic and has been detected onsite since monitoring began in 1989.

- PCE has been detected above the most stringent MTCA screening level, protective of drinking water (5 ug/L).
- Other VOCs with confirmed detections include: TCE, Trichlorofluoromethane (CFC 11), Cis-1,2-DCE, MEK, and Acetone. These VOCs have been detected below MTCA screening levels.

MFS parameters and VOCs are routinely analyzed in onsite monitoring wells and VOCs in offsite wells, however, there are other contaminants found in landfill leachate that have not been sampled or recently sampled.

Although the Snipes Landfill is currently monitored in accordance with WAC 173-304, the list of analytes is not sufficient for an investigation under MTCA (WAC 173-340). WAC 173-351 Criteria of Municipal Solid Waste (MSW) Landfill includes a list of constituents for MSW Landfill detection monitoring and leachate monitoring that are appropriate for use at this former MSW landfill site. Contaminants of potential concern (COPC) include WAC 173-351-990 Appendix I, II, and III parameters. Appendix I parameters are constituents for detection monitoring, Appendix II parameters are field, geochemical indicator, and leachate indicator parameters, and Appendix III parameters is a list of hazardous inorganic and organic constituents used for assessment monitoring. At WAC 173-351 regulated facilities, Appendix III analytes are analyzed in limited circumstances, and may have limited utility at this MTCA site.

Additionally, Ecology considers 1,4-dioxane, and PFAS as COPCs. Because some uncertainty remains in understanding contaminant flow paths at Snipes Landfill (Section 6.2), BTEX and other indicators of petroleum hydrocarbons are considered COPC because they are often associated with landfill leachate despite not being routinely detected in groundwater monitoring. See Section 6.5 for a summary of proposed screening levels for COPCs.

6.5 Proposed Screening Levels

The AO is being implemented in accordance with WAC 173-340, the Model Toxics Control Act (MTCA). Sampling and analysis completed for the purposes of the remedial investigation will reference Method A groundwater cleanup standards per WAC 173-340-720 (3). Method A cleanup levels will be supplemented by MCLs and maximum contaminant level goals (MCLGs) established under the Safe Drinking Water Act and WAC 246-290-310, as well as Method B cleanup levels (Table 6-1). Effective June 25, 2024, PFAS criteria refers to NPDWR (EPA, 2024). The most stringent groundwater screening levels will be used to evaluate the nature and extent of contamination at Snipes Landfill for COPCs identified in section 6.4.

7 Data Gaps

This section describes initial data gaps that should be addressed during the Remedial Investigation to refine the preliminary conceptual site model and improve the understanding of potential migration and exposure pathways. The Remedial Investigation workplan will identify data gaps and propose a scope of work to acquire additional information.

The long history of water level data has enabled long term trends to be discerned. However, high-resolution time series water level data from transducers would improve understanding of the influence of pumping at the Luther and DNR wells to the north on seasonal changes to groundwater flow directions and gradients. These data will inform both short term changes in response to pumping and seasonal changes over the course of the full water year. Transducer deployment at monitoring wells SMW-1, SMW-4, and SMW-5s would provide horizontal gradient and direction information, and SMW-5d would provide vertical gradient between SMW-5s and SMW-5d.

The existing geologic cross section (Figure 3-1) is a 2-dimensional projection on an alignment that connects SMW-2, SMW-1, and the DNR well and passes close to the boring for SMW-5s and SMW-5d (Figure 1-1). The three wells along the alignment are separated by at least 0.35 miles, but projections from boring logs off the alignment (SMW-3, SMW-4, and SMW-5) generally confirm the interpretation of the geologic units underlying Snipes Landfill. However, as stated in Section 6, there are uncertainties in the hydrogeologic conceptual model that influence the interpretation of the contaminant pathways. The Remedial Investigation workplan will propose additional data collection and data analyses to aide in the interpretation of groundwater flow and transport of PCE offsite.

Delineation of the extent of PCE contamination north of the anticline has been constrained by geography and access for monitoring well placement as well as by existing offsite well locations. The existing groundwater monitoring wells are generally aligned from the landfill boundary in the south and proceeding north along existing roads. Available offsite wells that have previously been sampled either exist along a similar alignment as the onsite wells (Luther and DNR wells) or are positioned $\frac{1}{4}$ to more than $\frac{1}{2}$ mile away from Snipes Landfill (388 Luther Road, 2610 Gap Road, 2780 Gap Road wells). Offsite well sampling has additionally occurred with much less consistency than onsite monitoring; the most recent offsite sampling occurred in December 2020 and only included the Luther and DNR wells. Additional rounds of sampling at offsite wells are warranted to assess the drinking water exposure pathway and extent of contamination.

While PCE concentrations in groundwater monitoring wells are declining over time, the fate of PCE in groundwater and the geochemical conditions promoting/preventing biodegradation and natural attenuation should be evaluated as part of the Remedial Investigation.

The quantity and chemistry of leachate, while expected to be significantly reduced following closure and cover and similar to leachate at other MSW facilities, has not been estimated and analyzed since the D&C Plan reported no to low leachate production following closure. The D&C Plan identified two potential locations to install gravity collection basin type lysimeters, it appears that lysimeters were not installed (Parametrix, 1994) due to very low quantities collected from lysimeters at other area landfills (Wallace, 2024).

The nature and extent of soil contamination in the location of the former septage lagoons, particularly those two locations that may be beyond the extent of the low permeability cover, is not well understood. The current status of these former septage lagoons should be documented. If these former septage lagoons are not covered by low permeability capping

materials, they may present an opportunity to characterize the nature of soil contamination relevant to the potential vadose zone transport to groundwater pathway.

Although the landfill gas migration to groundwater pathway appears to be potentially incomplete, due to the falling LFG generation from the 28- to 56-year-old refuse, and the more than 100 ft thick vadose zone, additional lines of evidence should be explored. While the nature of the VOCs in landfill gas has not been assessed to date, it would be warranted if the LFG had a complete transport pathway to groundwater. Analysis of LFG composition for VOCs may be instructive as a proxy for leachate but will be biased toward more volatile VOCs with higher Henry's Law constants.

8 Summary, Conclusions, Recommendations

Snipes Landfill received MMSW from 1968 until March 1994 and septage waste from prior to 1977 until 1991. While the landfill only receives approximately seven inches of precipitation per year, classifying it as an arid climate landfill, the presence of elevated chloride, sulfate, nitrate, PCE, TCE, CFC 11, and CFC 12 in groundwater monitoring results is consistent with groundwater has been impacted by landfill leachate (Section 6.1.1). The regular VOC detections at Snipes Landfill are additionally consistent with chemical additives to septic systems that were frequently used in the 1970s and 1980s and is indicative of groundwater that has been impacted by septage pond liquids (Section 6.1.2).

The timeseries for chloride, nitrate, sulfate, and, to a lesser extent, specific conductance, are consistent with the arrival of a groundwater plume with a decreasing source and suggests that plume of impacted groundwater arrived at SMW-5s several years after arriving at SMW-1 (Figures 5-1 through 5-4). The data supports the assertion that groundwater transport of contaminants is largely to the north-northeast coincident with summer seasonal pumping of irrigation wells. This is qualitatively consistent with the site conceptual model of a set of releases at Snipes Landfill that stopped concurrent with landfill closure (Mott MacDonald, 2024).

Semi-annual monitoring of onsite monitoring wells SMW-1, SMW-2, SMW-4, SMW-5s, and SMW-5d will continue per WAC 173-304 requirements. Remedial Investigation sampling efforts should be extended to other COPCs, including SVOCs, metals, and PFAS before settling on the risk-driving Contaminants of Concern (COCs). To date, PCE has exceeded the MCL (5 ug/L) in onsite monitoring wells SMW-1, SMW-4, SMW-5s, and once in the offsite Luther well. Additionally, offsite wells will be sampled to assess the drinking water exposure pathway and the extent of contamination.

A Remedial Investigation Work Plan will be completed and submitted to Ecology within 90 days of submitting this Data Summary Report. Quarterly Progress Reports that describe the actions taken during the previous quarter to implement the requirements of AO No. DE 22514 will be submitted by the 20th day of the month in which they are due, beginning June 20, 2024.

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Table 3-1. Well Information

Closed Snipes Mountain Landfill

	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
NAD83 Northing (us ft)	360820.149	359138.248	359332.632	360840.468	361583.873	361583.873
NAD83 Easting (us ft)	1736179.757	1735314.732	1736367.367	1736671.279	1736207.681	1736207.681
Boring Date	07/20/89 - 08/02/89	08/02/89 - 08/10/89	08/15/89 - 08/22/89	11/15/93 - 11/17/93	11/18/93 - 12/02/93	11/18/93 - 12/02/93
Well Depth (ft bgs)	250	250	310	320	248	470.5
Casing Diameter (in.)	2	2	2	2	2	2
Casing Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Sounding Tube	3/4" Schedule 80 PVC	3/4" Schedule 80 PVC	3/4" Schedule 80 PVC	N/A	N/A	N/A
Sampling Method	Hydrostar	Hydrostar	Not Sampled	Bladder Pump	Hydrasleeves	Hydrasleeves
Approximate Ground Elevation	999	895	1035	1000	951	951
Top of Steel Casing Elevation	1001.23	896.8	1037.03	1002.8	953.57	953.57
Approximate Pump Set Depth (ft bgs)	240	230	280	310.5	N/A	N/A
Screen Interval (ft bgs)	240-245	230-240	295-305	308-318	236-246	459.5-469.5
Slot Size	30 (0.020 in.)	30 (0.020 in.)	30 (0.020 in.)	0.020 Slot	0.020 Slot	0.020 Slot
Filter Material	#8-12 Silica Sand	#8-12 Silica Sand	#8-12 Silica Sand	10-20 Colorado Silica Sand	10-20 Colorado Silica Sand	10-20 Colorado Silica Sand
Filter Depth (ft bgs)	240-250	225-250	270-300	303-320	230-255	455-475
Screen Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Drilling Method	Air Rotary	Air Rotary	Air Rotary	Air Rotary	Air Rotary	Air Rotary

bgs = below ground surface

ft = feet

in. = inches

N/A = not applicable

us ft = United States Survey Feet

Table 4-1. Well Survey and Water Level Data

Closed Snipes Mountain Landfill

	SMW-1		SMW-2		SMW-3		SMW-4		SMW-5s (Shallow)		SMW-5d (Deep)		30E1 (DNR)		31D1 (Newhouse)	
Ground Elevation, ft	999		895		1035		1000		951		951		819		791	
Measuring Point	TOSM		TOSM		TOSM		TOSM		TOSM		TOSM		TOSM		TOSM	
Measuring Pt Elevation	1001		896.8		1037		1003		953.6		953.6		820.2		793.5	
DATE	DTW	PSE	DTW	PSE	DTW	PSE	DTW	PSE	DTW	PSE	DTW	PSE	DTW	PSE	DTW	PSE
01-Mar-88													37.16	782.99		
01-Nov-88													49.08	771.07		
30-Mar-89													36.79	783.36		
18-Oct-89	227.94	773.29	220.64	676.16	275.15	761.88										
24-Oct-89													43.58	776.57		
05-Dec-89	224.54	776.69	231.67	665.13	276.46	760.57										
27-Feb-90													36.83	783.32		
27-Mar-90	221.16	780.07	221.62	675.18	276.07	760.96										
29-Jun-90	230.69	770.54	221.09	675.71	275.12	761.91										
05-Oct-90	235.00	766.23	226.43	670.37	276.09	760.94										
13-Feb-91	222.00	779.23	222.31	674.49	275.85	761.18										
13-Mar-91													37.17	782.98		
29-Mar-91	220.21	781.02	221.71	675.09	275.83	761.20										
12-Apr-91	220.72	780.51	220.56	676.24	274.66	762.37										
13-Apr-91															75.00	718.54
18-Apr-91															163.58	629.96
26-Apr-91	222.67	778.56	221.43	675.37	274.18	762.85									75.15	718.39
10-May-91	225.80	775.43	222.75	674.05	274.39	762.64									75.49	718.05
13-May-91	226.38	774.85	221.99	674.81	274.16	762.87										
16-May-91	226.38	774.85	221.99	674.81	274.16	762.87										
24-May-91	227.23	774.00	221.91	674.89	274.23	762.80									76.49	717.05
07-Jun-91	227.62	773.61	223.25	673.55	274.33	762.70									77.97	715.57
21-Jun-91	229.75	771.48	223.80	673.00	274.28	762.75									78.35	715.19
05-Jul-91	230.91	770.32	226.07	670.73	274.13	762.90									163.00	630.54
19-Jul-91	233.13	768.10	225.54	671.26	274.83	762.20									81.88	711.66
02-Aug-91	231.99	769.24	227.99	668.81	274.25	762.78						48.84	771.31	162.79	630.75	
15-Aug-91	234.44	766.79	228.41	668.39	274.28	762.75									163.01	630.53
28-Aug-91	236.18	765.05														
04-Sep-91	236.84	764.39	229.24	667.56	274.37	762.66									163.31	630.23
20-Sep-91	238.25	762.98	229.79	667.01	274.25	762.78									163.03	630.51
08-Oct-91	236.68	764.55	230.18	666.62	274.61	762.42									163.00	630.54
17-Oct-91	235.48	765.75	230.73	666.07	274.66	762.37									163.00	630.54
04-Nov-91	233.38	767.85	229.89	666.91	274.69	762.34						48.25	771.90	80.17	713.37	
20-Nov-91	230.80	770.43	226.85	669.95	274.48	762.55						45.93	774.22	78.37	715.17	
04-Dec-91	228.67	772.56	225.62	671.18	274.38	762.65						44.08	776.07	77.50	716.04	
23-Dec-91	226.56	774.67	224.95	671.85	274.62	762.41						42.29	777.86	77.13	716.41	
06-Jan-92	225.14	776.09	224.30	672.50	274.15	762.88						41.07	779.08	76.13	717.41	
21-Jan-92	223.94	777.29	223.78	673.02	274.54	762.49						40.06	780.09	76.58	716.96	
04-Feb-92	222.89	778.34	223.51	673.29	274.49	762.54								76.11	717.43	
18-Feb-92	221.84	779.39	223.03	673.77	274.06	762.97						40.67	779.48	75.95	717.59	
26-Feb-92	221.75	779.48	223.24	673.56	274.87	762.16										
03-Mar-92	221.10	780.13	222.56	674.24	274.12	762.91						38.59	781.56	75.56	717.98	
17-Mar-92	220.91	780.32	222.46	674.34	274.19	762.84						33.91	786.24	75.56	717.98	
30-Mar-92	220.51	780.72	222.31	674.49	274.35	762.68						37.29	782.86	76.10	717.44	
13-Apr-92	223.26	777.97	223.27	673.53	274.12	762.91						40.67	779.48	78.98	714.56	
27-Apr-92	223.05	778.18	223.51	673.29	274.30	762.73						78.79	741.36	163.27	630.27	
11-May-92	224.35	776.88	225.85	670.95	274.37	762.66						40.67	779.48	163.27	630.27	
19-May-92	225.37	775.86	226.33	670.47	273.97	763.06										
26-May-92	226.15	775.08	226.64	670.16	274.11	762.92						44.14	776.01	163.00	630.54	
08-Jun-92	228.18	773.05	227.16	669.64	274.05	762.98						79.36	740.79	163.04	630.50	
01-Sep-92	239.71	761.52	230.78	666.02	274.49	762.54										
22-Dec-92	228.64	772.59	225.15	671.65												
11-Mar-93	222.96	778.27	223.39	673.41	275.27	761.76										
27-May-93	223.17	778.06	226.61	670.19	274.88	762.15										
25-Aug-93	236.21	765.02	228.97	667.83	275.30	761.73										
21-Dec-93	228.71	772.52	224.71	672.09	275.57	761.46	228.25	774.55	179.07	774.50	179.15	774.42				
30-Mar-94	225.08	776.15	223.50	673.30	276.56	760.47	226.35	776.45	179.30	774.27	176.16	777.41				
15-Jun-94	232.45	768.78	226.16	670.64	275.63	761.40	237.51	765.29	179.61	773.96	189.64	763.93				
22-Sep-94			228.61	668.19	276.29	760.74	250.37	752.43	180.78	772.79	205.49	748.08				
13-Dec-94	236.71	764.52	225.08	671.72	276.66	760.37	236.40	766.40	180.44	773.13	186.06	767.51				
27-Mar-95	229.22	772.01	223.92	672.88	277.33	759.70	232.37	770.43	180.12	773.45	186.05	767.52				
08-Jun-95	231.92	769.31			276.96	760.07	236.31	766.49	180.28	773.29	189.35	764.22				
15-Jun-95			225.39	671.41												
21-Aug-95	242.69	758.54	227.12	669.68	277.12	759.91	249.47	753.33	180.62	772.95	204.27	749.30				
19-Dec-95	231.60	769.63	224.08	672.72	277.70	759.33	231.60	771.20	179.97	773.60	181.60	771.97				
13-Mar-96	226.22	775.01	222.14	674.66	277.55	759.48	226.78	776.02	179.56	774.01	177.05	776.52				
29-May-96	230.34	770.89	223.47	673.33	277.18	759.85	234.60	768.20	179.98	773.59	187.67	765.90				

Table 4-1. Well Survey and Water Level Data

Closed Snipes Mountain Landfill

	SMW-1		SMW-2		SMW-3		SMW-4		SMW-5s (Shallow)		SMW-5d (Deep)		30E1 (DNR)	31D1 (Newhouse)
01-Aug-96	241.40	759.83	225.27	671.53	277.09	759.94	249.81	752.99	180.49	773.08	205.35	748.22		
17-Dec-96	233.29	767.94	224.13	672.67	278.60	758.43	233.31	769.49	180.09	773.48	183.28	770.29		
25-Feb-97	227.24	773.99	221.94	674.86	277.64	759.39	227.86	774.94	179.04	774.53	178.13	775.44		
15-May-97	231.34	769.89	223.19	673.61	277.20	759.83	238.41	764.39	179.53	774.04	194.74	758.83		
08-Jul-97	237.55	763.68	224.70	672.10	277.11	759.92	244.93	757.87	179.83	773.74	200.49	753.08		
04-Dec-97	233.62	767.61	223.10	673.70	277.66	759.37	233.73	769.07	180.77	772.80	183.43	770.14		
25-Feb-98	226.68	774.55	221.53	675.27	277.18	759.85	227.24	775.56	179.31	774.26	177.44	776.13		
03-Jun-98	229.65	771.58	221.56	675.24	276.83	760.20	231.53	771.27	179.78	773.79	181.97	771.60		
09-Dec-98	236.03	765.20	224.04	672.76	278.20	758.83	235.86	766.94	180.54	773.03	185.45	768.12		
27-May-99	231.53	769.70	223.91	672.89	277.32	759.71	237.29	765.51	180.23	773.34	192.67	760.90		
28-Sep-99	245.32	755.91	225.64	671.16	278.08	758.95	248.41	754.39	180.88	772.69	199.8	753.77		
15-Dec-99	234.04	767.19	223.26	673.54	277.62	759.41	233.83	768.97	183.51	770.06	180.3	773.27		
14-Jun-00	231.99	769.24	222.18	674.62	277.65	759.38	236.57	766.23	179.62	773.95	190.69	762.88		
6-Dec-00	234.41	766.82	220.72	676.08	277.55	759.48	234.89	767.91	180.15	773.42	184.18	769.39		
6-Jun-01	233.51	767.72	220.11	676.69	277.38	759.65	237.07	765.73	180.49	773.08	187.13	766.44		
11-Dec-01	235.60	765.63	220.25	676.55	278.42	758.61	236.08	766.72	180.83	772.74	185.79	767.78		
3-Jul-02	234.40	766.83	219.35	677.45	278.15	758.88	240.90	761.90	181.00	772.57	196.65	756.92		
11-Dec-02	234.35	766.88	219.62	677.18	278.74	758.29	234.80	768.00	180.72	772.85	184.57	769.00		
18-Jul-03	241.70	759.53	220.00	676.80	280.00	757.03	245.55	757.25	182.00	771.57	195.15	758.42		
11-Dec-03	239.95	761.28	219.75	677.05	280.71	756.32	239.25	763.55	181.96	771.61	188.39	765.18		
23-Jun-04	234.75	766.48	219.15	677.65	280.71	756.32	240.59	762.21	181.52	772.05	196.73	756.84		
14-Dec-04	234.38	766.85	219.15	677.65	281.75	755.28	234.41	768.39	181.62	771.95	184.00	769.57		
15-Jun-05	236.71	764.52	221.57	675.23	281.40	755.63	243.41	759.39	181.38	772.19	200.40	753.17		
12-Jan-06	234.94	766.29	219.47	677.33	282.65	754.38	235.16	767.64	181.84	771.73	184.83	768.74		
29-Jun-06	239.10	762.13	219.58	677.22	283.09	753.94	246.60	756.20	181.67	771.90	198.69	754.88		
13-Dec-06	232.74	768.49	219.28	677.52	283.35	753.68	237.61	765.19	181.37	772.20	186.85	766.72		
27-Jun-07	238.97	762.26	219.36	677.44	283.20	753.83	253.30	749.50	181.08	772.49	198.49	755.08		
11-Dec-07	237.57	763.66	219.63	677.17	284.01	753.02	237.78	765.02	181.18	772.39	187.10	766.47		
25-Jun-08	237.70	763.53	220.35	676.45	283.73	753.30	243.63	759.17	181.29	772.28	201.15	752.42		
9-Dec-08	237.03	764.20	220.45	676.35	284.21	752.82	237.30	765.50	181.50	772.07	186.83	766.74		
17-Jun-09	236.18	765.05	219.11	677.69	283.14	753.89	242.67	760.13	181.12	772.45	200.01	753.56		
15-Sep-09									181.74	771.83				
1-Dec-09	237.49	763.74	220.44	676.36	283.68	753.35	242.30	760.50	181.47	772.10	193.14	760.43		
22-Jun-10	233.88	767.35	219.50	677.30	283.92	753.11	237.05	765.75	180.88	772.69	187.66	765.91		
26-Jul-10									181.12	772.45				
7-Dec-10	234.79	766.44	219.02	677.78	283.09	753.94	235.14	767.66	180.92	772.65	184.58	768.99		
29-Jun-11	233.62	767.61	218.86	677.94	282.08	754.95	238.58	764.22	180.75	772.82	192.69	760.88		
13-Dec-11	233.03	768.20	218.50	715.30	282.50	754.53	233.63	769.17	180.98	772.59	183.12	770.45		
13-Jun-12	233.16	768.07	219.22	677.58	282.05	754.98	239.15	763.65	180.85	772.72	195.55	758.02		
5-Dec-12	234.45	766.78	219.52	677.28	282.56	754.47	234.52	768.28	181.12	772.45	183.68	769.89		
12-Jun-13	232.00	769.23	219.50	677.30	282.10	754.93	237.90	764.90	180.85	772.72	190.00	763.57		
2-Dec-13	234.62	766.61	219.22	677.58	282.18	754.85	235.02	767.78	181.12	772.45	184.43	769.14		
17-Jun-14	235.64	765.59	219.52	677.28	281.56	755.47	239.17	763.63	181.26	772.31	212.91	740.66		
17-Jul-14	240.67	760.56					247.50	755.30	181.43	772.14	204.90	748.67		
10-Nov-14	238.00	763.23					238.32	764.48	182.29	771.28	187.31	766.26		
2-Dec-14	235.13	766.10	219.49	677.31	282.10	754.93	235.43	767.37	182.15	771.42	184.94	768.63		
23-Jun-15	240.42	760.81	219.52	677.28	281.74	755.29			182.60	770.97	199.83	753.74		
1-Dec-15	240.20	761.03	220.00	676.80	282.65	754.38			183.87	769.70	189.46	764.11		
30-Mar-16	230.14	771.09												
15-Jun-16	239.27	761.96	219.59	677.21	282.51	754.52			182.62	770.95	197.24	756.33		
7-Sep-16	245.00	756.23					250.09	752.71	183.69	769.88	198.17	755.40		
14-Dec-16	234.66	766.57	220.00	676.80	283.32	753.71			182.61	770.96	184.23	769.34		
6-Jun-17	230.60	770.63	219.22	677.58	282.63	754.40			181.32	772.25	182.71	770.86		
5-Dec-17	232.76	768.47	219.69	677.11	283.02	754.01	233.03	769.77	182.35	771.22	182.62	770.95		
26-Jun-18	244.04	757.19	219.43	677.37	282.13	754.90	238.64	764.16	181.66	771.91	191.24	762.33		
12-Dec-18	234.64	766.59	219.22	677.58	282.52	754.51	233.05	769.75	181.79	771.78	182.44	771.13		
12-Jun-19	230.60	770.63	219.73	677.07	292.84	744.19	234.35	768.45	181.09	772.48	194.72	758.85		
12-Dec-19	231.87	769.36	218.86	677.94	282.09	754.94	232.48	770.32	182.15	771.42	181.45	772.12		
9-Jun-20	233.91	767.32	219.82	676.98	282.52	754.51	237.12	765.68	182.30	771.27	187.47	766.10		
29-Dec-20	233.48	767.75	219.70	677.10	281.99	755.04	233.23	769.57	182.64	770.93	183.74	769.83		
2-Jun-21	233.12	768.11	219.80	677.00	281.70	755.33	238.58	764.22	182.18	771.39	195.04	758.53		
8-Dec-21	235.42	765.81	219.09	677.71	282.56	754.47	235.03	767.77	181.51	772.06	184.60	768.97		
29-Nov-22	237.37	763.86	219.33	677.47	282.51	754.52	237.70	765.10	182.41	771.16	186.97	766.60		
10-Jan-23	NT		NT		NT		233.32	769.48	181.90	771.67	183.12	770.45		
23-May-23	231.26	769.97	219.98	676.82	282.48	754.55	235.38	767.42	181.77	771.80	191.85	761.72		
5-Dec-23	236.95	764.28	210.05	686.75	282.14	754.89	236.70	766.10	182.68	770.89	186.01	767.56		

TOSM = Top of Steel Casing Monument.

DTW = Depth to Water.

PSE = Potentiometric Surface Elevation (MSL).

NT = Not Taken.

Table 5-1. Statistical Summary of Selected Parameters

Closed Snipes Mountain Landfill

Well	Constituent	Analyses	Detections	Mean	Standard	Minimum	Maximum
SMW-1	1,1-Dichloroethene	73	6	0.30	0.05	0.24	0.36
SMW-1	2-Butanone (MEK)	73	0				
SMW-1	Acetone	73	4	7.23	4.00	2.3	11
SMW-1	Carbon Tetrachloride	73	14	1.81	1.22	0.6	5.5
SMW-1	Carbon, Total Organic	73	17	1.15	0.79	0.39	3.3
SMW-1	Chloride	74	74	15.14	2.55	10.1	20.4
SMW-1	cis-1,2-Dichloroethene	72	1	0.24		0.24	0.24
SMW-1	Nitrate	73	73	2.67	1.05	0.082	7
SMW-1	Sulfate	72	72	116.05	32.47	36.1	193.7
SMW-1	Tetrachloroethene (PCE)	73	73	18.29	40.30	3.5	350
SMW-1	trans-1,2-Dichloroethene	73	0				
SMW-1	Trichloroethene (TCE)	73	33	0.77	0.36	0.3	1.6
SMW-1	Vinyl Chloride	73	0				
SMW-2	1,1-Dichloroethene	51	0				
SMW-2	2-Butanone (MEK)	51	0				
SMW-2	Acetone	51	2	8.45	3.61	5.9	11
SMW-2	Carbon Tetrachloride	51	0				
SMW-2	Carbon, Total Organic	86	17	0.99	0.64	0.12	2.04
SMW-2	Chloride	85	85	4.91	0.92	3.4	10
SMW-2	cis-1,2-Dichloroethene	51	0				
SMW-2	Nitrate	86	86	0.28	0.05	0.02	0.4
SMW-2	Sulfate	84	84	65.99	10.84	16.6	88
SMW-2	Tetrachloroethene (PCE)	51	0				
SMW-2	trans-1,2-Dichloroethene	51	0				
SMW-2	Trichloroethene (TCE)	51	0				
SMW-2	Vinyl Chloride	51	0				
SMW-3	1,1-Dichloroethene	15	0				
SMW-3	2-Butanone (MEK)	15	0				
SMW-3	Acetone	15	0				
SMW-3	Carbon Tetrachloride	15	0				
SMW-3	Carbon, Total Organic	48	12	0.99	0.80	0.12	2.6
SMW-3	Chloride	48	48	3.20	0.50	2.1	5
SMW-3	cis-1,2-Dichloroethene	15	0				
SMW-3	Nitrate	48	47	0.21	0.02	0.16	0.26
SMW-3	Sulfate	48	48	17.31	8.01	8.6	68.4
SMW-3	Tetrachloroethene (PCE)	15	0				
SMW-3	trans-1,2-Dichloroethene	15	0				
SMW-3	Trichloroethene (TCE)	15	0				
SMW-3	Vinyl Chloride	15	0				
SMW-4	1,1-Dichloroethene	55	0				
SMW-4	2-Butanone (MEK)	55	6	38.18	23.67	6.1	66
SMW-4	Acetone	55	5	12.22	10.61	3	30
SMW-4	Carbon Tetrachloride	55	0				
SMW-4	Carbon, Total Organic	54	12	1.42	0.48	0.58	2.2
SMW-4	Chloride	54	54	5.73	0.98	3.3	7.98
SMW-4	cis-1,2-Dichloroethene	55	8	0.39	0.12	0.21	0.55
SMW-4	Nitrate	54	39	0.33	0.27	0.01	0.99
SMW-4	Sulfate	54	54	32.34	3.98	18	40.9

Table 5-1. Statistical Summary of Selected Parameters
 Closed Snipes Mountain Landfill

Well	Constituent	Analyses	Detections	Mean	Standard	Minimum	Maximum
SMW-4	Tetrachloroethene (PCE)	55	54	6.64	2.19	1.16	11
SMW-4	trans-1,2-Dichloroethene	55	0				
SMW-4	Trichloroethene (TCE)	55	11	0.54	0.15	0.38	0.82
SMW-4	Vinyl Chloride	55	0				
SMW-5D	1,1-Dichloroethene	62	0				
SMW-5D	2-Butanone (MEK)	62	5	21.04	12.72	8.1	34
SMW-5D	Acetone	62	3	10.67	1.53	9	12
SMW-5D	Carbon Tetrachloride	62	0				
SMW-5D	Carbon, Total Organic	60	10	1.32	0.50	0.75	2.35
SMW-5D	Chloride	59	59	5.09	0.63	4.08	6.33
SMW-5D	cis-1,2-Dichloroethene	62	0				
SMW-5D	Nitrate	60	13	0.02	0.01	0.01	0.04
SMW-5D	Sulfate	59	59	32.09	3.03	25	39.5
SMW-5D	Tetrachloroethene (PCE)	62	0				
SMW-5D	trans-1,2-Dichloroethene	62	0				
SMW-5D	Trichloroethene (TCE)	62	0				
SMW-5D	Vinyl Chloride	62	0				
SMW-5S	1,1-Dichloroethene	70	0				
SMW-5S	2-Butanone (MEK)	70	7	23.96	38.37	5	110
SMW-5S	Acetone	70	3	15.87	8.33	8.7	25
SMW-5S	Carbon Tetrachloride	70	0				
SMW-5S	Carbon, Total Organic	68	25	2.45	3.38	0.29	17.3
SMW-5S	Chloride	68	67	18.05	12.22	4.1	42.2
SMW-5S	cis-1,2-Dichloroethene	70	0				
SMW-5S	Nitrate	68	67	4.71	26.97	0.0378	222
SMW-5S	Sulfate	66	66	53.93	25.82	26.8	141
SMW-5S	Tetrachloroethene (PCE)	70	30	3.57	4.67	0.49	26
SMW-5S	trans-1,2-Dichloroethene	70	0				
SMW-5S	Trichloroethene (TCE)	70	14	0.30	0.23	0.2	1.1
SMW-5S	Vinyl Chloride	70	0				

Notes:

SMW-3 was last sampled in 2009.

Blank spaces indicate too few detections to calculate statistics.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		230.6	219.73	292.84	234.35	181.09	194.72
Oxidation Reduction Potential, mV		95.6	139			-4.9	
pH, Field, std. units		7.57	7.35			7.95	
Specific Conductance @ 25C, Field, umhos/cm	700	1062	729			1008	
Temperature, C		17	17.3			17.9	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U			0.04U	
Carbon, Total Organic, mg/L		0.5U	0.5U			2.19	
Chemical Oxygen Demand (COD), mg/L		10U	10U			10U	
Chloride, mg/L	250	17D	10D			29.7D	
Nitrate, mg/L as N	10	1.82H	0.294H			222	
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	1.82D	0.309			222D	
Nitrite, mg/L as N	1	UH	0.015H			0.01U	
Turbidity, NTU							
Metals							
Iron, Dissolved, mg/L	0.3	0.0754	0.146			0.05U	
Manganese, Dissolved, mg/L	0.05	0.0052	0.191			0.001U	
Zinc, Dissolved, mg/L	5	0.01U	0.01U			0.01U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U			0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U			0.2U	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U			0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U			0.2U	
1,1-Dichloroethene, ug/L		0.2U	0.2U			0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U			0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U			0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U			0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U			0.58	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U			0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U			0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U			0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U			0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U			0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-2a. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2019 Q2

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Butanone (MEK), ug/L		5U	5U			5U	
2-Chloroethyl Vinyl Ether, ug/L		1U	1U			1U	
2-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
2-Hexanone, ug/L		5U	5U			5U	
4-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U			0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U			5U	
Acetone, ug/L		5U	5U			13.9	
Acrolein, ug/L		5U	5U			5U	
Acrylonitrile, ug/L	0.07	1U	1U			1U	
Benzene, ug/L	1	0.2U	0.2U			0.2U	
Bromobenzene, ug/L		0.2U	0.2U			0.2U	
Bromochloromethane, ug/L		0.2U	0.2U			0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U			0.2U	
Bromoethane, ug/L		0.2U	0.2U			0.2U	
Bromoform, ug/L	5	0.2U	0.2U			0.2U	
Bromomethane, ug/L		1U	1U			1U	
Carbon Disulfide, ug/L		0.2U	0.2U			0.2U	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U			0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U			0.2U	
Chloroethane, ug/L		0.2U	0.2U			0.2U	
Chloroform, ug/L	7	0.2U	0.2U			0.2U	
Chloromethane, ug/L		0.5U	0.5U			0.5U	
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U			0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U			0.2U	
Dibromomethane, ug/L		0.2U	0.2U			0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U			1U	
Ethylbenzene, ug/L	700	0.2U	0.2U			0.2U	
Hexachlorobutadiene, ug/L		0.5U	0.5U			0.5U	
Iodomethane, ug/L		1U	1U			1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U			0.2U	
m,p-Xylene, ug/L		0.4U	0.4U			0.4U	
Naphthalene, ug/L		0.5U	0.5U			0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U			0.2U	
o-Xylene, ug/L		0.2U	0.2U			0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Styrene, ug/L	100	0.2U	0.2U			0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Tetrachloroethene (PCE), ug/L	0.8	12.7	0.2U			2.7	
Toluene, ug/L	1000	0.2U	0.2U			0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U			0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U			0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

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GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
trans-1,4-Dichloro-2-butene, ug/L		1U	1U			1U	
Trichloroethene (TCE), ug/L	3	0.62	0.2U			0.24	
Trichlorofluoromethane (CFC 11), ug/L		0.32	0.2U			0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U			0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

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GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		231.87	218.86	282.09	232.48	182.15	181.45
Oxidation Reduction Potential, mV		-84.1	-111.8			-97.6	
pH, Field, std. units		9.88	8.45			7.95	
Specific Conductance @ 25C, Field, umhos/cm	700	536	374			611	
Temperature, C		16.54	16.9			17.75	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U			0.04U	
Carbon, Total Organic, mg/L		0.5U	0.5U			1.28	
Chemical Oxygen Demand (COD), mg/L		10U	10U			10U	
Chloride, mg/L	250	16.5D	5.74			32.1D	
Nitrate, mg/L as N	10	2.03	0.32			2.58	
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	2.03D	0.335			2.59D	
Nitrite, mg/L as N	1	0.01U	0.015			0.01U	
Sulfate, mg/L	250	75.5D	72.5D			87D	
Metals							
Iron, Dissolved, mg/L	0.3	0.124	0.05U			0.05U	
Manganese, Dissolved, mg/L	0.05	0.0076	0.0282			0.001U	
Zinc, Dissolved, mg/L	5	0.01U	0.01U			0.01U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U			0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U			0.2U	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U			0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U			0.2U	
1,1-Dichloroethene, ug/L		0.3	0.2U			0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U			0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U			0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U			0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U			0.5U	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U			0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U			0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U			0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U			0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U			0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-2b. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2019 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Butanone (MEK), ug/L		5U	5U			5U	
2-Chloroethyl Vinyl Ether, ug/L		1U	1U			1U	
2-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
2-Hexanone, ug/L		5U	5U			5U	
4-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U			0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U			5U	
Acetone, ug/L		5U	5U			5U	
Acrolein, ug/L		5U	5U			5U	
Acrylonitrile, ug/L	0.07	1U	1U			1U	
Benzene, ug/L	1	0.2U	0.2U			0.2U	
Bromobenzene, ug/L		0.2U	0.2U			0.2U	
Bromochloromethane, ug/L		0.2U	0.2U			0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U			0.2U	
Bromoethane, ug/L		0.2U	0.2U			0.2U	
Bromoform, ug/L	5	0.2U	0.2U			0.2U	
Bromomethane, ug/L		1U	1U			1U	
Carbon Disulfide, ug/L		0.2U	0.2U			0.2U	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U			0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U			0.2U	
Chloroethane, ug/L		0.2U	0.2U			0.2U	
Chloroform, ug/L	7	0.2U	0.2U			0.2U	
Chloromethane, ug/L		0.5U	0.5U			0.5U	
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U			0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U			0.2U	
Dibromomethane, ug/L		0.2U	0.2U			0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U			1U	
Ethylbenzene, ug/L	700	0.2U	0.2U			0.2U	
Hexachlorobutadiene, ug/L		0.5U	0.5U			0.5U	
Iodomethane, ug/L		1U	1U			1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U			0.2U	
m,p-Xylene, ug/L		0.4U	0.4U			0.4U	
Naphthalene, ug/L		0.5U	0.5U			0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U			0.2U	
o-Xylene, ug/L		0.2U	0.2U			0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Styrene, ug/L	100	0.2U	0.2U			0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Tetrachloroethene (PCE), ug/L	0.8	11.8	0.2U			3.83	
Toluene, ug/L	1000	0.2U	0.2U			0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U			0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U			0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
 U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.
 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
trans-1,4-Dichloro-2-butene, ug/L		1U	1U			1U	
Trichloroethene (TCE), ug/L	3	0.67	0.2U			0.28	
Trichlorofluoromethane (CFC 11), ug/L		0.29	0.2U			0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U			0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U			0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
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 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-3a. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2020 Q2

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		233.91	219.82	282.52	237.12	182.3	187.47
Oxidation Reduction Potential, mV		116.3	131.6		107.7	84.8	
pH, Field, std. units		7.52	7.61		7.4	7.5	
Specific Conductance @ 25C, Field, umhos/cm	700	539.2	399		361.7	616	
Temperature, C		17	17.4		16.9	17.8	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U		0.04U	0.04U	
Carbon, Total Organic, mg/L		0.5U	0.5U		0.5U	2.3	
Chemical Oxygen Demand (COD), mg/L		10U	10U		10U	10U	
Chloride, mg/L	250	16.6D	4.88		7.6	31.4D	
Nitrate, mg/L as N	10	1.59	0.295		0.743	1.94	
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	1.6D	0.295		0.743	1.97D	
Nitrite, mg/L as N	1	0.01U	0.01U		0.01U	0.01U	
Sulfate, mg/L	250	90D	70.5D		26.3	77.5D	
Metals							
Iron, Dissolved, mg/L	0.3	0.119	0.05U		0.0994	0.0575	
Manganese, Dissolved, mg/L	0.05	0.006	0.0093		0.001U	0.0036	
Zinc, Dissolved, mg/L	5	0.01U	0.01U		0.01U	0.01U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U		0.2U	0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U		0.2U	0.33	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U		0.5U	0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U		0.5U	0.5U	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U		0.2U	0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U		0.2U	0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U		0.2U	0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

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GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-3a. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2020 Q2

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Butanone (MEK), ug/L		5U	5U		5U	5U	
2-Chloroethyl Vinyl Ether, ug/L		1U	1U		1U	1U	
2-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
2-Hexanone, ug/L		5U	5U		5U	5U	
4-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U		5U	5U	
Acetone, ug/L		5U	5U		5U	5U	
Acrolein, ug/L		5U	5U		5U	5U	
Acrylonitrile, ug/L	0.07	1U	1U		1U	1U	
Benzene, ug/L	1	0.2U	0.2U		0.2U	0.2U	
Bromobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Bromoform, ug/L	5	0.2U	0.2U		0.2U	0.2U	
Bromomethane, ug/L		1U	1U		1U	1U	
Carbon Disulfide, ug/L		0.2U	0.2U		0.2U	0.29	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
Chloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Chloroform, ug/L	7	0.2U	0.2U		0.2U	0.2U	
Chloromethane, ug/L		0.5U	0.5U		0.5U	0.5U	
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U		0.35	0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromomethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U		1U	1U	
Ethylbenzene, ug/L	700	0.2U	0.2U		0.2U	0.2U	
Hexachlorobutadiene, ug/L		0.5U	0.5U		0.5U	0.5U	
Iodomethane, ug/L		1U	1U		1U	1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U		0.2U	0.2U	
m,p-Xylene, ug/L		0.4U	0.4U		0.4U	0.4U	
Naphthalene, ug/L		0.5U	0.5U		0.5U	0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
o-Xylene, ug/L		0.2U	0.2U		0.2U	0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Styrene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Tetrachloroethene (PCE), ug/L	0.8	10.9	0.2U		5.93	2.63	
Toluene, ug/L	1000	0.2U	0.2U		0.2U	0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U		0.6U	0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
trans-1,4-Dichloro-2-butene, ug/L		1U	1U		1U	1U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
 U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.
 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Trichloroethene (TCE), ug/L	3	0.75	0.2U		0.59	0.2U	
Trichlorofluoromethane (CFC 11), ug/L		0.24	0.2U		0.2U	0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U		0.2U	0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U		0.2U	0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
 U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.
 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-3b. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2020 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		233.48	219.7	281.99	233.23	182.64	183.74
pH, Field, std. units		7.54	7.79		7.72	7.62	
Specific Conductance @ 25C, Field, umhos/cm	700	518.1	362.2		333.9	488.1	
Temperature, C		16.2	16.4		7.5	17.4	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U		0.04U	0.04U	
Carbon, Total Organic, mg/L		0.5U	0.5U		0.5U	1.15	
Chemical Oxygen Demand (COD), mg/L		10U	10U		10U	10U	
Chloride, mg/L	250	16D	4.67		7.47	28.5D	
Nitrate, mg/L as N	10	1.92	0.29		0.0581	2.07	
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	1.92D	0.29		0.058	2.07D	
Nitrite, mg/L as N	1	0.01U	0.01U		0.01U	0.01U	
Sulfate, mg/L	250	74.5D	71.5D			86.5D	
Metals							
Iron, Dissolved, mg/L	0.3	0.124	0.05U		0.05U	0.05U	
Manganese, Dissolved, mg/L	0.05	0.0068	0.0086		0.004U	0.004U	
Zinc, Dissolved, mg/L	5	0.02U	0.02U		0.02U	0.02U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U		0.2U	0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U		0.2U	0.2U	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethene, ug/L		0.36	0.2U		0.2U	0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U		0.5U	0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U		0.5U	0.5U	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U		0.2U	0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U		0.2U	0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U		0.2U	0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	
2-Butanone (MEK), ug/L		5U	5U		5U	5U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-3b. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2020 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Chloroethyl Vinyl Ether, ug/L		1U	1U		1U	1U	
2-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
2-Hexanone, ug/L		5U	5U		5U	5U	
4-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U		5U	5U	
Acetone, ug/L		5U	5U		5U	5U	
Acrolein, ug/L		5U	5U		5U	5U	
Acrylonitrile, ug/L	0.07	1U	1U		1U	1U	
Benzene, ug/L	1	0.2U	0.2U		0.2U	0.2U	
Bromobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Bromoform, ug/L	5	0.2U	0.2U		0.2U	0.2U	
Bromomethane, ug/L		1U	1U		1U	1U	
Carbon Disulfide, ug/L		0.2U	0.2U		0.2U	0.2U	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
Chloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Chloroform, ug/L	7	0.2U	0.2U		0.2U	0.2U	
Chloromethane, ug/L		0.5U	0.5U		0.5U	0.5U	
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U		0.44	0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromomethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U		1U	1U	
Ethylbenzene, ug/L	700	0.2U	0.2U		0.2U	0.2U	
Hexachlorobutadiene, ug/L		0.5U	0.5U		0.5U	0.5U	
Iodomethane, ug/L		1U	1U		1U	1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U		0.2U	0.2U	
m,p-Xylene, ug/L		0.4U	0.4U		0.4U	0.4U	
Naphthalene, ug/L		0.5U	0.5U		0.5U	0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
o-Xylene, ug/L		0.2U	0.2U		0.2U	0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Styrene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Tetrachloroethene (PCE), ug/L	0.8	14.2	0.2U		1.8	2.43	
Toluene, ug/L	1000	0.2U	0.2U		0.2U	0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U		0.6U	0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
trans-1,4-Dichloro-2-butene, ug/L		1U	1U		1U	1U	
Trichloroethene (TCE), ug/L	3	0.9	0.2U		0.46	0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Trichlorofluoromethane (CFC 11), ug/L		0.37Q	0.2U		0.2U	0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U		0.2U	0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U		0.2U	0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
 U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.
 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		233.12	219.88	281.7	238.58	182.18	195.04
pH, Field, std. units		7.7	7.83		6.71	7.66	
Specific Conductance @ 25C, Field, umhos/cm	700	563.3	392.7		364.2	584.9	
Temperature, C		17.3	17.3		25	17.8	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U			0.04U	
Carbon, Total Organic, mg/L		0.5U	0.5U			1.08	
Chemical Oxygen Demand (COD), mg/L		10U	10U			10U	
Chloride, mg/L	250	15.9	4.75			28.2D	
Nitrate, mg/L as N	10	1.69	0.301			1.86	
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	1.69D	0.314			1.86D	
Nitrite, mg/L as N	1	0.01U	0.013			0.01U	
Sulfate, mg/L	250	95.5D	75D			87.5D	
Metals							
Iron, Dissolved, mg/L	0.3	0.25U	0.25U			0.25U	
Manganese, Dissolved, mg/L	0.05	0.02U	0.02U			0.02U	
Zinc, Dissolved, mg/L	5	0.1U	0.1U			0.1U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U		0.2U	0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U		0.2U	0.2U	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U		0.2U	0.2U	
1,1-Dichloroethene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U		0.5U	0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U		0.5U	0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U		0.5U	0.5U	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U		0.2U	0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U		0.2U	0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U		0.2U	0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	
2-Butanone (MEK), ug/L		5U	5U		5U	5U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Chloroethyl Vinyl Ether, ug/L		1U	1U		1U	1U	
2-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
2-Hexanone, ug/L		5U	5U		5U	5U	
4-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U		0.2U	0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U		5U	5U	
Acetone, ug/L		5U	5U		5U	5U	
Acrolein, ug/L		5U	5U		5U	5U	
Acrylonitrile, ug/L	0.07	1U	1U		1U	1U	
Benzene, ug/L	1	0.2U	0.2U		0.2U	0.2U	
Bromobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Bromoform, ug/L	5	0.2U	0.2U		0.2U	0.2U	
Bromomethane, ug/L		1U	1U		1U	1U	
Carbon Disulfide, ug/L		0.2U	0.2U		0.2U	0.25	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
Chloroethane, ug/L		0.2U	0.2U		0.29	0.29	
Chloroform, ug/L	7	0.2U	0.2U		0.2U	0.2U	
Chloromethane, ug/L		0.5U	0.5U		0.5U	0.5U	
cis-1,2-Dichloroethene, ug/L		0.24	0.2U		0.2U	0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dibromomethane, ug/L		0.2U	0.2U		0.2U	0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U		1U	1U	
Ethylbenzene, ug/L	700	0.2U	0.2U		0.2U	0.2U	
Hexachlorobutadiene, ug/L		0.5U	0.5U		0.5U	0.5U	
Iodomethane, ug/L		1U	1U		1U	1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U		0.2U	0.2U	
m,p-Xylene, ug/L		0.4U	0.4U		0.4U	0.4U	
Naphthalene, ug/L		0.5U	0.5U		0.5U	0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
o-Xylene, ug/L		0.2U	0.2U		0.2U	0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Styrene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	
Tetrachloroethene (PCE), ug/L	0.8	17	0.2U		1.16	3.11	
Toluene, ug/L	1000	0.2U	0.2U		0.2U	0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U		0.6U	0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U		0.2U	0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	
trans-1,4-Dichloro-2-butene, ug/L		1U	1U		1U	1U	
Trichloroethene (TCE), ug/L	3	0.89	0.2U		0.2U	0.23	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

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U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Trichlorofluoromethane (CFC 11), ug/L		0.35	0.2U		0.2U	0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U		0.2U	0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U		0.2U	0.2U	

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

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The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to Water, Ft.		235.42	219.09	282.56	235.03	181.51	184.6
Oxidation Reduction Potential, mV		-90	37		41.6	17.3	
pH, Field, std. units		7.33	7.7		7.61	7.42	
Specific Conductance @ 25C, Field, umhos/cm	700	522	402		367	589	
Temperature, C		16.4	16.75		9.95	17.69	
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U			0.04U	
Carbon, Total Organic, mg/L		0.66	0.5			1.6	
Chemical Oxygen Demand (COD), mg/L		10U	10U			50U	
Chloride, mg/L	250	17.9D	4.68			25.2D	
Nitrate, mg/L as N	10	2.29H	0.323H			1.76H	
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	2.31D	0.338			1.77D	
Nitrite, mg/L as N	1	0.014H	0.015H			0.011H	
Sulfate, mg/L	250	79.2D	83.2D			83.4D	
Metals							
Iron, Dissolved, mg/L	0.3	0.108	0.05U				
Manganese, Dissolved, mg/L	0.05	0.0125	0.004U				
Zinc, Dissolved, mg/L	5	0.02U	0.02U				
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U			0.2U	
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U			0.2U	
1,1,2-Trichloroethane, ug/L		0.2U	0.2U			0.2U	
1,1-Dichloroethane, ug/L	1	0.2U	0.2U			0.2U	
1,1-Dichloroethene, ug/L		0.36	0.2U			0.2U	
1,1-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U			0.5U	
1,2,3-Trichloropropane, ug/L		0.5U	0.5U			0.5U	
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U			0.5U	
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U			0.5U	
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U			0.2U	
1,2-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U			0.2U	
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U			0.2U	
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	
1,3-Dichloropropane, ug/L		0.2U	0.2U			0.2U	
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U			0.2U	
2,2-Dichloropropane, ug/L		0.2U	0.2U			0.2U	

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The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2-Butanone (MEK), ug/L		5U	5U			5U	
2-Chloroethyl Vinyl Ether, ug/L		1U	1U			1U	
2-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
2-Hexanone, ug/L		5U	5U			5U	
4-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	
4-Isopropyltoluene, ug/L		0.2U	0.2U			0.2U	
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U			5U	
Acetone, ug/L		5U	5U			5U	
Acrolein, ug/L		5U	5U			5U	
Acrylonitrile, ug/L	0.07	1U	1U			1U	
Benzene, ug/L	1	0.2U	0.2U			0.2U	
Bromobenzene, ug/L		0.2U	0.2U			0.2U	
Bromochloromethane, ug/L		0.2U	0.2U			0.2U	
Bromodichloromethane, ug/L	0.3	0.2U	0.2U			0.2U	
Bromoform, ug/L	5	0.2U	0.2U			0.2U	
Bromomethane, ug/L		1U	1U			1U	
Carbon Disulfide, ug/L		0.2U	0.2U			0.2U	
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U			0.2U	
Chlorobenzene, ug/L	100	0.2U	0.2U			0.2U	
Chloroethane, ug/L		0.2U	0.2U			0.2U	
Chloroform, ug/L	7	0.2U	0.2U			0.2U	
Chloromethane, ug/L		0.5U	0.5U			0.5U	
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U			0.2U	
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
Dibromochloromethane, ug/L		0.2U	0.2U			0.2U	
Dibromomethane, ug/L		0.2U	0.2U			0.2U	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U			1U	
Ethylbenzene, ug/L	700	0.2U	0.2U			0.2U	
Hexachlorobutadiene, ug/L		2U	2U			2U	
Iodomethane, ug/L		1U	1U			1U	
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U			0.2U	
m,p-Xylene, ug/L		0.4U	0.4U			0.4U	
Naphthalene, ug/L		0.5U	0.5U			0.5U	
n-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
n-Propylbenzene, ug/L		0.2U	0.2U			0.2U	
o-Xylene, ug/L		0.2U	0.2U			0.2U	
sec-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Styrene, ug/L	100	0.2U	0.2U			0.2U	
tert-Butylbenzene, ug/L		0.2U	0.2U			0.2U	
Tetrachloroethene (PCE), ug/L	0.8	14.1	0.2U			1.73	
Toluene, ug/L	1000	0.2U	0.2U			0.2U	
Total Xylenes, ug/L	10000	0.6U	0.6U			0.6U	
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U			0.2U	
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	
trans-1,4-Dichloro-2-butene, ug/L		1U	1U			1U	

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The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Trichloroethene (TCE), ug/L	3	0.72	0.2U			0.2U	
Trichlorofluoromethane (CFC 11), ug/L		0.29	0.2U			0.2U	
Vinyl Acetate, ug/L		0.2U	0.2U			0.2U	
Vinyl Chloride, ug/L	0.02	0.2U	0.2U			0.2U	

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 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
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 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U				
Carbon, Total Organic, mg/L		0.58	0.5U				
Chemical Oxygen Demand (COD), mg/L		10U	10U				
Chloride, mg/L	250	18.2D	5.05				
Nitrate, mg/L as N	10	1.86H	0.307H				
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	1.88HD	0.307H				
Nitrite, mg/L as N	1	0.015H	UH				
Sulfate, mg/L	250	82.5D	83D				
Metals							
Iron, Dissolved, mg/L	0.3	0.168	0.05U				
Manganese, Dissolved, mg/L	0.05	0.0137	0.004				
Zinc, Dissolved, mg/L	5	0.02	0.02U				
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U				
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U				
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U				
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U				
1,1,2-Trichloroethane, ug/L		0.2U	0.2U				
1,1-Dichloroethane, ug/L	1	0.2U	0.2U				
1,1-Dichloroethene, ug/L		0.2U	0.2U				
1,1-Dichloropropene, ug/L		0.2U	0.2U				
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U				
1,2,3-Trichloropropane, ug/L		0.5U	0.5U				
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U				
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U				
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U				
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U				
1,2-Dichlorobenzene, ug/L		0.2U	0.2U				
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U				
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U				
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U				
1,3-Dichlorobenzene, ug/L		0.2U	0.2U				
1,3-Dichloropropane, ug/L		0.2U	0.2U				
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U				
2,2-Dichloropropane, ug/L		0.2U	0.2U				
2-Butanone (MEK), ug/L		5U	5U				
2-Chloroethyl Vinyl Ether, ug/L		1U	1U				
2-Chlorotoluene, ug/L		0.2U	0.2U				
2-Hexanone, ug/L		5U	5U				
4-Chlorotoluene, ug/L		0.2U	0.2U				
4-Isopropyltoluene, ug/L		0.2U	0.2U				

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The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U				
Acetone, ug/L		5U	5U				
Acrolein, ug/L		5U	5U				
Acrylonitrile, ug/L	0.07	1U	1U				
Benzene, ug/L	1	0.2U	0.2U				
Bromobenzene, ug/L		0.2U	0.2U				
Bromochloromethane, ug/L		0.2U	0.2U				
Bromodichloromethane, ug/L	0.3	0.2U	0.2U				
Bromoform, ug/L	5	0.2U	0.2U				
Bromomethane, ug/L		1U	1U				
Carbon Disulfide, ug/L		0.2U	0.2U				
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U				
Chlorobenzene, ug/L	100	0.2U	0.2U				
Chloroethane, ug/L		0.2U	0.2U				
Chloroform, ug/L	7	0.2U	0.2U				
Chloromethane, ug/L		0.5U	0.5U				
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U				
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U				
Dibromochloromethane, ug/L		0.2U	0.2U				
Dibromomethane, ug/L		0.2U	0.2U				
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U				
Ethylbenzene, ug/L	700	0.2U	0.2U				
Hexachlorobutadiene, ug/L		2U	2U				
Iodomethane, ug/L		1U	1U				
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U				
m,p-Xylene, ug/L		0.4U	0.4U				
Naphthalene, ug/L		0.5U	0.5U				
n-Butylbenzene, ug/L		0.2U	0.2U				
n-Propylbenzene, ug/L		0.2U	0.2U				
o-Xylene, ug/L		0.2U	0.2U				
sec-Butylbenzene, ug/L		0.2U	0.2U				
Styrene, ug/L	100	0.2U	0.2U				
tert-Butylbenzene, ug/L		0.2U	0.2U				
Tetrachloroethene (PCE), ug/L	0.8	12	0.2U				
Toluene, ug/L	1000	0.2U	0.2U				
Total Xylenes, ug/L	10000	0.6U	0.6U				
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U				
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U				
trans-1,4-Dichloro-2-butene, ug/L		1U	1U				
Trichloroethene (TCE), ug/L	3	0.66	0.2U				
Trichlorofluoromethane (CFC 11), ug/L		0.2U	0.2U				
Vinyl Acetate, ug/L		0.2U	0.2U				
Vinyl Chloride, ug/L	0.02	0.2U	0.2U				

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The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		237.37	219.33	282.51	233.32	181.9	183.12
pH, Field, std. units		7.11	7.45		7.47	6.48	7.59
Specific Conductance @ 25C, Field, umhos/cm	700	564.6	406.6		328.7	451.9	276.2
Temperature, C		16.1	16.5		16.2	12.2	14.4
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U		0.04U	0.04U	0.04U
Carbon, Total Organic, mg/L		1	0.7		0.5U	7.32	0.76
Chemical Oxygen Demand (COD), mg/L		10U	10U		10U	40.5	10U
Chloride, mg/L	250	17.3D	5.95		7.97	31.3D	4.18
Nitrate, mg/L as N	10	2.12H	0.02UH		0.02U	0.851	0.02U
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	2.12D	0.01U		0.01U	0.851	0.01U
Nitrite, mg/L as N	1	0.01UH	0.01UH		0.01U	0.01U	0.01U
Sulfate, mg/L	250	75.2D	85.5D		36.2D	50.1D	25
Metals							
Iron, Dissolved, mg/L	0.3	0.146	0.05U				
Iron, Total, mg/L					0.42	1.47	4.19
Manganese, Dissolved, mg/L	0.05	0.0113	0.012				
Manganese, Total, mg/L					0.004U	0.0608	0.044
Zinc, Dissolved, mg/L	5	0.02U	0.02U				
Zinc, Total, mg/L					0.02U	0.0229	0.0261
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L		0.2U	0.2U		0.2U	0.79	0.2U
1,1,2-Trichloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethane, ug/L	1	0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L		0.29	0.2U		0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U		0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U		0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L		5U	5U		5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L		1U	1U		1U	1U	1U
2-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
2-Hexanone, ug/L		5U	5U		5U	5U	5U
4-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U		5U	5U	5U
Acetone, ug/L		5U	5.9		5U	5U	5U
Acrolein, ug/L		5U	5U		5U	5U	5U
Acrylonitrile, ug/L	0.07	1U	1U		1U	1U	1U
Benzene, ug/L	1	0.2U	0.2U		0.2U	0.2U	0.2U
Bromobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	0.2U
Bromoform, ug/L	5	0.2U	0.2U		0.2U	0.2U	0.2U
Bromomethane, ug/L		1U	1U		1U	1U	1U
Carbon Disulfide, ug/L		0.2U	0.2U		0.2U	0.7	0.2U
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Chloroform, ug/L	7	0.2U	0.2U		0.2U	0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U		0.53	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dibromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dibromomethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U		1U	1U	1U
Ethylbenzene, ug/L	700	0.2U	0.2U		0.2U	0.2U	0.2U
Hexachlorobutadiene, ug/L		2U	2U		2U	2U	2U
Iodomethane, ug/L		1U	1U		1U	1U	1U
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
m,p-Xylene, ug/L		0.4U	0.4U		0.4U	0.4U	0.4U
Naphthalene, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
n-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
n-Propylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
o-Xylene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Styrene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	0.8	11.3	0.2U		2.34	0.97	0.2U
Toluene, ug/L	1000	0.2U	0.2U		0.2U	0.2U	0.2U
Total Xylenes, ug/L	10000	0.6U	0.6U		0.6U	0.6U	0.6U
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L		1U	1U		1U	1U	1U
Trichloroethene (TCE), ug/L	3	0.59	0.2U		0.67	0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Acetate, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.02	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.
 No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).
 U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.
 GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).
 The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to water, Ft.		231.26	219.98	282.48	235.38	181.77	191.85
Dissolved oxygen, mg/L		5.5	7.95				2.96
Oxidation Reduction Potential, mV		36	-3.9				95.3
pH, Field, std. units		7.24	7.47			6.5	7.94
Specific Conductance @ 25C, Field, umhos/cm	700	556	399			442.3	277
Temperature, C		16.7	16.9			20.9	19.13
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U			0.094	0.04U
Carbon, Total Organic, mg/L		0.78	0.5U			17.3D	0.75
Chemical Oxygen Demand (COD), mg/L		10U	10U			123	10U
Chloride, mg/L	250	17D	9.04			42.2D	4.08
Nitrate, mg/L as N	10	1.92H	0.384H			0.0378H	0.02U
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	1.92D	0.384			0.038	0.01U
Nitrite, mg/L as N	1	UH	UH			UH	0.01U
Sulfate, mg/L	250	87D	88D			27.4D	26.8D
Metals							
Iron, Dissolved, mg/L	0.3	0.0882	0.485			0.05U	
Manganese, Dissolved, mg/L	0.05	0.0058	0.0525			0.168	
Zinc, Dissolved, mg/L	5	0.02U	0.02U			0.02U	
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U			0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U			0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U			1.45	0.2U
1,1,2-Trichloroethane, ug/L		0.2U	0.2U			0.2U	0.2U
1,1-Dichloroethane, ug/L	1	0.2U	0.2U			0.2U	0.2U
1,1-Dichloroethene, ug/L		0.2U	0.2U			0.2U	0.2U
1,1-Dichloropropene, ug/L		0.2U	0.2U			0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U			0.5U	0.5U
1,2,3-Trichloropropane, ug/L		0.5U	0.5U			0.5U	0.5U
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U			0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U			0.5U	0.5U
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U			0.2U	0.2U
1,2-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U			0.2U	0.2U
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U			0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U			0.2U	0.2U
1,3-Dichloropropane, ug/L		0.2U	0.2U			0.2U	0.2U
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-6a. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2023 Q2

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2,2-Dichloropropane, ug/L		0.2U	0.2U			0.2U	0.2U
2-Butanone (MEK), ug/L		5U	5U			5U	5U
2-Chloroethyl Vinyl Ether, ug/L		1U	1U			1U	1U
2-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	0.2U
2-Hexanone, ug/L		5U	5U			5U	5U
4-Chlorotoluene, ug/L		0.2U	0.2U			0.2U	0.2U
4-Isopropyltoluene, ug/L		0.2U	0.2U			0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U			5U	5U
Acetone, ug/L		5U	5U			5U	5U
Acrolein, ug/L		5U	5U			5U	5U
Acrylonitrile, ug/L	0.07	1U	1U			1U	1U
Benzene, ug/L	1	0.2U	0.2U			0.2U	0.2U
Bromobenzene, ug/L		0.2U	0.2U			0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U			0.2U	0.2U
Bromodichloromethane, ug/L	0.3	0.2U	0.2U			0.2U	0.2U
Bromoform, ug/L	5	0.2U	0.2U			0.2U	0.2U
Bromomethane, ug/L		1U	1U			1U	1U
Carbon Disulfide, ug/L		0.2U	0.2U			1.71	0.2U
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U			0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U			0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U			0.2U	0.2U
Chloroform, ug/L	7	0.2U	0.2U			0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U			0.5U	0.5U
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U			0.2U	0.2U
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	0.2U
Dibromochloromethane, ug/L		0.2U	0.2U			0.2U	0.2U
Dibromomethane, ug/L		0.2U	0.2U			0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L		0.8	0.2U			0.2U	0.2U
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U			1U	1U
Ethylbenzene, ug/L	700	0.2U	0.2U			0.2U	0.2U
Hexachlorobutadiene, ug/L		2U	2U			2U	2U
Iodomethane, ug/L		1U	1U			1U	1U
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U			0.2U	0.2U
m,p-Xylene, ug/L		0.4U	0.4U			0.4U	0.4U
Methyl tert-Butyl Ether, ug/L		0.5U	0.5U			0.5U	0.5U
Naphthalene, ug/L		0.5U	0.5U			0.5U	0.5U
n-Butylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
n-Propylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
o-Xylene, ug/L		0.2U	0.2U			0.2U	0.2U
sec-Butylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
Styrene, ug/L	100	0.2U	0.2U			0.2U	0.2U
tert-Butylbenzene, ug/L		0.2U	0.2U			0.2U	0.2U
Tetrachloroethene (PCE), ug/L	0.8	8.65	0.2U			0.49	0.2U
Toluene, ug/L	1000	0.2U	0.2U			0.2U	0.2U
Total Xylenes, ug/L	10000	0.6U	0.6U			0.6U	0.6U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for. Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit. Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U			0.2U	0.2U
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U			0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L		1U	1U			1U	1U
Trichloroethene (TCE), ug/L	3	0.53	0.2U			0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L		0.24	0.2U			0.2U	0.2U
Vinyl Acetate, ug/L		0.2U	0.2U			0.2U	0.2U
Vinyl Chloride, ug/L	0.02	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-6b. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2023 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
Field Parameters							
Depth to Water, Ft.		236.95	210.05	282.14	236.7	182.68	186.01
Dissolved oxygen, mg/L		5.21	4.59		1.21	2.89	1.35
Oxidation Reduction Potential, mV		53.1	68.5		71.8	62.8	94
pH, Field, std. units		7.34	7.02		7.25	6.14	7.45
Specific Conductance @ 25C, Field, umhos/cm	700	551	395		342	249	269
Temperature, C		15.83	16.68		16.38	13.99	14.02
Inorganics							
Ammonia, Total, mg/L as N		0.04U	0.04U		0.04U	0.048	0.04U
Carbon, Total Organic, mg/L		0.55	0.5U		0.5U	4.17	1.06
Chemical Oxygen Demand (COD), mg/L		10U	10U		10U	50.7	10U
Chloride, mg/L	250	17.2D	6.18		7.98	23.1D	4.1
Nitrate, mg/L as N	10	1.76H	0.39H		UH	0.735H	UH
Nitrate + Nitrite (NO2 + NO3), mg-N/L	10	1.76D	0.39		0.01U	0.735	0.01U
Nitrite, mg/L as N	1	UH	UH		UH	UH	UH
Sulfate, mg/L	250	78D	84.6D		33.6D	94.9D	25.8
Metals							
Iron, Dissolved, mg/L	0.3	0.0642	0.0779		0.05U	0.05U	0.05U
Manganese, Dissolved, mg/L	0.05	0.0105	0.0188		0.004U	0.0673	0.004U
Zinc, Dissolved, mg/L	5	0.02U	0.0243		0.02U	0.02U	0.02U
VOC							
1,1,1,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l		0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethane, ug/L	1	0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trichlorobenzene, ug/L	70	0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
1,2-Dibromoethane (EDB), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.5	0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	0.6	0.2U	0.2U		0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Table 5-6b. Groundwater Monitoring Data, Closed Snipes Mountain Landfill

2023 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
2,2-Dichloropropane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L		5U	5U		5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L		1U	1U		1U	1U	1U
2-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
2-Hexanone, ug/L		5U	5U		5U	5U	5U
4-Chlorotoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L		5U	5U		5U	5U	5U
Acetone, ug/L		5U	5U		5U	5U	5U
Acrolein, ug/L		5U	5U		5U	5U	5U
Acrylonitrile, ug/L	0.07	1U	1U		1U	1U	1U
Benzene, ug/L	1	0.2U	0.2U		0.2U	0.2U	0.2U
Bromobenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	0.2U
Bromoform, ug/L	5	0.2U	0.2U		0.2U	0.2U	0.2U
Bromomethane, ug/L		1U	1U		1U	1U	1U
Carbon Disulfide, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.3	0.2U	0.2U		0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Chloroform, ug/L	7	0.2U	0.2U		0.2U	0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L		0.2U	0.2U		0.55	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dibromochloromethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dibromomethane, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L		0.2U	0.2U		0.31	0.2U	0.2U
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U		1U	1U	1U
Ethylbenzene, ug/L	700	0.2U	0.2U		0.2U	0.2U	0.2U
Hexachlorobutadiene, ug/L		2U	2U		2U	2U	2U
Iodomethane, ug/L		1U	1U		1U	1U	1U
Isopropylbenzene (Cumene), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
m,p-Xylene, ug/L		0.4U	0.4U		0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
Naphthalene, ug/L		0.5U	0.5U		0.5U	0.5U	0.5U
n-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
n-Propylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
o-Xylene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Styrene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	0.8	4.46	0.2U		3.83	1.33	0.2U
Toluene, ug/L	1000	0.2U	0.2U		0.2U	0.2U	0.2U
Total Xylenes, ug/L	10000	0.6U	0.6U		0.6U	0.6U	0.6U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWCL						
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U		0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L		1U	1U		1U	1U	1U
Trichloroethene (TCE), ug/L	3	0.31	0.2U		0.82	0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Acetate, ug/L		0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.02	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

GWCL - Groundwater Contaminant Level as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

The Groundwater Quality Criteria for pH is 6.5 to 8.5.

Notes:

GWCL: Groundwater Contaminant Limit as referenced in WAC 173-200 Table 1.

¹ WAC 173-200 Table 1 does not list a GWCL for carbon disulfide. The most stringent MTCA standard table value for groundwater is the MTCA Method B non-carcinogen value (800 ug/L).

² Includes both the GWCL (0.8 ug/L) and maximum contaminant limit (MCL) (5 ug/L), as discussed in text.

Bold, boxed values indicate detection above the reporting limit.

U indicates that the constituent was not detected at the indicated reporting limit

B suspected sample contaminant from lab or transport.

Table 5-8. Mann-Kendall Trends for Tetrachloroethene (PCE) in Monitoring Wells with Frequent Detections
 Closed Snipes Mountain Landfill, Yakima County, Washington

	10 year trends			5 year trends			last 3 yrs
	1994-2004	2004-2014	2014-2024	2009-2014	2014-2019	2019-2024	2021-2024
SMW-1							
number of samples	23	18	17	10	7	10	6
standard deviation	6.39153652	3.30280629	3.05471778	2.772564	2.63914398	3.39474905	4.350036398
p	0.10704899	0.64627481	0.83681971	0.02607119	0.76389062	0.10740466	0.008534921
tau	-0.24554504	0.08788801	-0.0441177	0.59676242	-0.14285715	-0.42222223	-0.99999994
significant trend	-	-	-	Upward	-	-	Downward
SMW-4							
number of samples	26	19	9	10	4	5	<4
standard deviation	2.12159954	1.16471014	2.9792789	0.90332718	1.06144556	1.90619254	-
p	0.00019181	0.57407033	0.04760397	0.41896176	1	1	-
tau	0.52714765	0.10120662	-0.5555556	-0.22473328	0	0	-
significant trend	Upward	-	Downward	-	-	-	-
SMW-5S							
number of samples	28	22	19	12	10	9	5
standard deviation	4.73256757	2.39143493	0.94894894	3.03659498	0.62828603	1.08110026	0.996433641
p	0.85853988	3.99E-05	0.00629089	0.0065825	0.47070301	0.01648867	0.220671356
tau	-0.03532532	0.69837993	-0.4647139	0.63564169	-0.20459831	-0.66666669	-0.600000024
significant trend	-	Upward	Downward	Upward	-	Downward	-

Non-Detects included as 1/2 Reporting Limit.
 A p value of less than 0.05 indicates statistical significance.
 A positive tau value indicates an increasing trend.
 A negative tau value indicates an decreasing trend.

Table 5-9a. Landfill Gas Monitoring Data, 2019

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
Flare	2019 Q2	6/11/2019	9.3	16.8	2.6
Flare	2019 Q3	9/2/2019	6.7	14.7	5.4
Flare	2019 Q4	12/10/2019	0.8	10.1	6.5
GP-1D	2019 Q1	3/6/2019	0.3	12.7	10.2
GP-1D	2019 Q2	6/11/2019	0	8.9	12.1
GP-1D	2019 Q3	9/2/2019	0	9.3	11.8
GP-1D	2019 Q4	12/10/2019	0.2	10.4	11
GP-1S	2019 Q1	3/6/2019	0.2	7.9	13.1
GP-1S	2019 Q2	6/11/2019	0	4.1	16.4
GP-1S	2019 Q3	9/2/2019	0	4.2	16.2
GP-1S	2019 Q4	12/10/2019	0.2	5.3	14.3
GP-2D	2019 Q1	3/6/2019	0.3	0.5	19.6
GP-2D	2019 Q2	6/11/2019	0	0	21.3
GP-2D	2019 Q3	9/2/2019	0	0.1	20.7
GP-2D	2019 Q4	12/10/2019	0.2	0.3	19
GP-2S	2019 Q1	3/6/2019	0.3	0.3	19.7
GP-2S	2019 Q2	6/11/2019	0	0	21.3
GP-2S	2019 Q3	9/2/2019	0	0.2	20.8
GP-2S	2019 Q4	12/10/2019	0.2	0.3	19.2
GP-3D	2019 Q1	3/6/2019	0.2	8.2	12.2
GP-3D	2019 Q2	6/11/2019	0.2	8.7	10.4
GP-3D	2019 Q3	9/2/2019	0	8.9	10.2
GP-3D	2019 Q4	12/10/2019	0.2	11.1	9.9
GP-3S	2019 Q1	3/6/2019	0.1	8.6	11.7
GP-3S	2019 Q2	6/11/2019	0	5	15.4
GP-3S	2019 Q3	9/2/2019	0	5.1	15.4
GP-3S	2019 Q4	12/10/2019	0.2	4.7	15.2
GW-1	2019 Q1	3/6/2019	2.1	23.7	0.2
GW-1	2019 Q2	6/11/2019	0.2	10.2	7.5
GW-1	2019 Q3	9/2/2019	0	11.2	7.6
GW-1	2019 Q4	12/10/2019	0.3	8.6	10
GW-10	2019 Q1	3/6/2019	48.8	35.1	2.7
GW-10	2019 Q2	6/11/2019	16.5	21	0.6
GW-10	2019 Q3	9/2/2019	10.4	17.7	1.1
GW-10	2019 Q4	12/10/2019	15.9	23.8	0
GW-2	2019 Q1	3/6/2019	10.2	25.6	0
GW-2	2019 Q2	6/11/2019	1.8	13.4	13.7

Bold indicates value above LEL. Gas measurements were not taken at GW-6 or the flare during 2019 Q1 due to frozen sampling ports.

Table 5-9a. Landfill Gas Monitoring Data, 2019

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
GW-2	2019 Q3	9/2/2019	2.4	12.1	6.7
GW-2	2019 Q4	12/10/2019	1.2	10.6	6.3
GW-3	2019 Q1	3/6/2019	19.9	27.8	0
GW-3	2019 Q2	6/11/2019	10.2	19.6	0.6
GW-3	2019 Q3	9/2/2019	8.8	19.7	1.1
GW-3	2019 Q4	12/10/2019	1.9	12.2	1.1
GW-4	2019 Q1	3/6/2019	25.1	27.6	1
GW-4	2019 Q2	6/11/2019	8.5	7.5	13.7
GW-4	2019 Q3	9/2/2019	4.8	5.1	15.7
GW-4	2019 Q4	12/10/2019	25.3	25.7	0.2
GW-5	2019 Q1	3/6/2019	34.4	33.6	0
GW-5	2019 Q2	6/11/2019	16.2	19.3	1.9
GW-5	2019 Q3	9/2/2019	13.1	16	4.8
GW-5	2019 Q4	12/10/2019	16.1	23.7	0
GW-6	2019 Q2	6/11/2019	0.2	11	6.1
GW-6	2019 Q3	9/2/2019	0.1	10.1	9.9
GW-6	2019 Q4	12/10/2019	0.2	8.9	8.7
GW-7	2019 Q1	3/6/2019	35.4	33.7	0
GW-7	2019 Q2	6/11/2019	18	20.2	2.2
GW-7	2019 Q3	9/2/2019	11.4	14.8	6.1
GW-7	2019 Q4	12/10/2019	8.5	16.8	1
GW-8	2019 Q1	3/6/2019	39.5	32	3.1
GW-8	2019 Q2	6/11/2019	15.9	20.6	0.7
GW-8	2019 Q3	9/2/2019	9.5	17.5	1.3
GW-8	2019 Q4	12/10/2019	7.1	15.2	0.2
GW-9	2019 Q1	3/6/2019	35.7	32.6	1
GW-9	2019 Q2	6/11/2019	15.2	18.7	2.7
GW-9	2019 Q3	9/2/2019	14.6	16.3	5
GW-9	2019 Q4	12/10/2019	13.7	21.2	0.1

Bold indicates value above LEL. Gas measurements were not taken at GW-6 or the flare during 2019 Q1 due to frozen sampling ports.

Table 5-9b. Landfill Gas Monitoring Data, 2020

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
Flare	2020 Q1	3/12/2020	3.8	11.7	7.5
Flare	2020 Q2	6/8/2020	0.1	14.3	7.6
Flare	2020 Q3	9/9/2020	7.9	20.8	0.1
Flare	2020 Q4	12/28/2020	1	11	6.9
GP-1D	2020 Q1	3/12/2020	0.1	11.3	10.5
GP-1D	2020 Q2	6/8/2020	0	8.8	12.8
GP-1D	2020 Q3	9/9/2020	0	10	11.5
GP-1D	2020 Q4	12/28/2020	0.4	12.2	11.7
GP-1S	2020 Q1	3/12/2020	0.1	4.5	15.5
GP-1S	2020 Q2	6/8/2020	0	1.6	19
GP-1S	2020 Q3	9/9/2020	0	6.2	14.8
GP-1S	2020 Q4	12/28/2020	0.4	5.6	14.4
GP-2D	2020 Q1	3/12/2020	0.1	0.3	19.5
GP-2D	2020 Q2	6/8/2020	0	0	20.6
GP-2D	2020 Q3	9/9/2020	0	0.2	20.1
GP-2D	2020 Q4	12/28/2020	0.4	0.5	18.5
GP-2S	2020 Q1	3/12/2020	0	0.3	19.7
GP-2S	2020 Q2	6/8/2020	0.1	0.2	20.3
GP-2S	2020 Q3	9/9/2020	0	0.2	20.3
GP-2S	2020 Q4	12/28/2020	0.4	0.5	18.7
GP-3D	2020 Q1	3/12/2020	0.1	9.8	9.9
GP-3D	2020 Q2	6/8/2020	0.1	0.1	20.8
GP-3D	2020 Q3	9/9/2020	0.1	9.2	10.1
GP-3D	2020 Q4	12/28/2020	0.4	11.3	9.2
GP-3S	2020 Q1	3/12/2020	0	4.8	15.3
GP-3S	2020 Q2	6/8/2020	0.1	0.1	21
GP-3S	2020 Q3	9/9/2020	0.1	5.9	13.8
GP-3S	2020 Q4	12/28/2020	0.4	5.4	14.5
GW-1	2020 Q1	3/12/2020	0.1	7.7	10.9
GW-1	2020 Q2	6/8/2020	0.1	15	7.2
GW-1	2020 Q3	9/9/2020	0.2	17.4	1.1
GW-1	2020 Q4	12/28/2020	0.4	9.6	8.7
GW-10	2020 Q1	3/12/2020	13.6	21.5	1.2
GW-10	2020 Q2	6/8/2020	0.1	0	20.6
GW-10	2020 Q3	9/9/2020	27.2	27.3	0
GW-10	2020 Q4	12/28/2020	45.9	36.2	0
GW-2	2020 Q1	3/12/2020	0.8	10.2	8.5
GW-2	2020 Q2	6/8/2020	0.5	2.3	17.8
GW-2	2020 Q3	9/9/2020	5	19.4	0

Bold indicates value above LEL

Table 5-9b. Landfill Gas Monitoring Data, 2020

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
GW-2	2020 Q4	12/28/2020	1	10.1	6.7
GW-3	2020 Q1	3/12/2020	1.5	12.1	5.2
GW-3	2020 Q2	6/8/2020	0.1	0	20.7
GW-3	2020 Q3	9/9/2020	15.8	24.3	0
GW-3	2020 Q4	12/28/2020	1.9	14.4	0.3
GW-4	2020 Q1	3/12/2020	18.2	18.6	5
GW-4	2020 Q2	6/8/2020	1	1.7	19.6
GW-4	2020 Q3	9/9/2020	21.8	21.7	2
GW-4	2020 Q4	12/28/2020	25.9	30.1	0
GW-5	2020 Q1	3/12/2020	14.5	20.1	2.7
GW-5	2020 Q2	6/8/2020	0.1	0	20.7
GW-5	2020 Q3	9/9/2020	20.8	23.7	0
GW-5	2020 Q4	12/28/2020	17.3	26.9	0
GW-6	2020 Q1	3/12/2020	0.1	7.5	11.6
GW-6	2020 Q2	6/8/2020	0.3	8.3	11.4
GW-6	2020 Q3	9/9/2020	0.3	18	0.4
GW-6	2020 Q4	12/28/2020	0.4	0.5	17.1
GW-7	2020 Q1	3/12/2020	9.5	15.6	4.4
GW-7	2020 Q2	6/8/2020	0	0	20.8
GW-7	2020 Q3	9/9/2020	20.6	23.9	0
GW-7	2020 Q4	12/28/2020	14.4	23.2	0
GW-8	2020 Q1	3/12/2020	6.4	13.1	5.1
GW-8	2020 Q2	6/8/2020	0.1	0.1	20.3
GW-8	2020 Q3	9/9/2020	24.7	25.6	0.2
GW-8	2020 Q4	12/28/2020	14.6	23	0.4
GW-9	2020 Q1	3/12/2020	6.1	11.4	7
GW-9	2020 Q2	6/8/2020	0	0	20.7
GW-9	2020 Q3	9/9/2020	20.7	22.9	0.3
GW-9	2020 Q4	12/28/2020	15.8	25.4	0.1

Table 5-9c. Landfill Gas Monitoring Data, 2021

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
Flare	2021 Q1	3/18/2021	0.4	0.7	20.7
Flare	2021 Q2	6/2/2021	11.3	22.5	0
Flare	2021 Q3	9/7/2021	4.8	16.8	2.2
Flare	2021 Q4	12/7/2021	3.7	22.2	0
GP-1D	2021 Q1	3/18/2021	0.1	0.2	20.2
GP-1D	2021 Q2	6/2/2021	0	10	10.5
GP-1D	2021 Q3	9/7/2021	0	9.4	11.2
GP-1D	2021 Q4	12/7/2021	0.4	12.5	9.1
GP-1S	2021 Q1	3/18/2021	0.1	5.9	15.1
GP-1S	2021 Q2	6/2/2021	0	5.9	14.1
GP-1S	2021 Q3	9/7/2021	0	5.5	13.9
GP-1S	2021 Q4	12/7/2021	0.4	7.7	12.3
GP-2D	2021 Q1	3/18/2021	0	0.2	20.4
GP-2D	2021 Q2	6/2/2021	0	0.1	20
GP-2D	2021 Q3	9/7/2021	0	0.3	18.3
GP-2D	2021 Q4	12/7/2021	0.4	0.5	17.4
GP-2S	2021 Q1	3/18/2021	0	0.4	19.9
GP-2S	2021 Q2	6/2/2021	0	0.1	19.5
GP-2S	2021 Q3	9/7/2021	0	0.1	18.8
GP-2S	2021 Q4	12/7/2021	0.4	0.4	17.8
GP-3D	2021 Q1	3/18/2021	0.3	12.1	9.3
GP-3D	2021 Q2	6/2/2021	0	9.6	8.9
GP-3D	2021 Q3	9/7/2021	0	9.9	8.8
GP-3D	2021 Q4	12/7/2021	0.4	12.2	7.1
GP-3S	2021 Q1	3/18/2021	0.3	7.5	14.7
GP-3S	2021 Q2	6/2/2021	0	12.6	6.4
GP-3S	2021 Q3	9/7/2021	0	5.1	13.8
GP-3S	2021 Q4	12/7/2021	0.4	7.9	10.1
GW-1	2021 Q1	3/18/2021	0.4	16.1	5.9
GW-1	2021 Q2	6/2/2021	0.6	19.7	0
GW-1	2021 Q3	9/7/2021	0	11.4	6.2
GW-1	2021 Q4	12/7/2021	0.5	20.7	0
GW-10	2021 Q1	3/18/2021	42.5	34.1	0
GW-10	2021 Q2	6/2/2021	42.2	33.4	0
GW-10	2021 Q3	9/7/2021	20.7	25.6	0
GW-10	2021 Q4	12/7/2021	50.9	38.5	0
GW-2	2021 Q1	3/18/2021	2.3	21.4	0
GW-2	2021 Q2	6/2/2021	9	22.2	0
GW-2	2021 Q3	9/7/2021	1.3	15.2	2.5

Bold indicates value above LEL

Table 5-9c. Landfill Gas Monitoring Data, 2021

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
GW-2	2021 Q4	12/7/2021	5.3	23.9	0
GW-3	2021 Q1	3/18/2021	1	20.8	0
GW-3	2021 Q2	6/2/2021	19.5	25.6	0
GW-3	2021 Q3	9/7/2021	7.8	21.1	0
GW-3	2021 Q4	12/7/2021	13.8	25.9	0
GW-4	2021 Q1	3/18/2021	19.8	20.7	4.2
GW-4	2021 Q2	6/2/2021	16	17.7	4.2
GW-4	2021 Q3	9/7/2021	7.3	8.2	11.2
GW-4	2021 Q4	12/7/2021	26.5	28.2	0
GW-5	2021 Q1	3/18/2021	18.3	25.6	0
GW-5	2021 Q2	6/2/2021	31.7	28.7	0
GW-5	2021 Q3	9/7/2021	16.7	23.9	0
GW-5	2021 Q4	12/7/2021	18.3	27.6	0
GW-6	2021 Q1	3/18/2021	0.5	20.5	0
GW-6	2021 Q2	6/2/2021	0.9	19.6	0
GW-6	2021 Q3	9/7/2021	0.1	11.8	6
GW-6	2021 Q4	12/7/2021	0.7	21.6	0
GW-7	2021 Q1	3/18/2021	32.5	31.7	0
GW-7	2021 Q2	6/2/2021	31.9	29.7	0
GW-7	2021 Q3	9/7/2021	17.6	27.1	0.7
GW-7	2021 Q4	12/7/2021	27.4	31.5	0
GW-8	2021 Q1	3/18/2021	28.3	29.1	0
GW-8	2021 Q2	6/2/2021	34.6	29	0
GW-8	2021 Q3	9/7/2021	13	20.6	0.1
GW-8	2021 Q4	12/7/2021	28.3	31.6	0
GW-9	2021 Q1	3/18/2021	20.8	27.5	0
GW-9	2021 Q2	6/2/2021	28.4	29.2	0
GW-9	2021 Q3	9/7/2021	17.3	4.5	0.6
GW-9	2021 Q4	12/7/2021	20.5	29	0

Table 5-9d. Landfill Gas Monitoring Data, 2022

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
Flare	2022 Q1	3/29/2022	4.9	17	4.5
Flare	2022 Q2	6/20/2022	0	16.5	4.5
Flare	2022 Q3	8/15/2022	8.4	23.8	0
Flare	2022 Q4	1/10/2023	0.5	0.1	20.9
GP-1D	2022 Q1	3/29/2022	0	0.2	18.3
GP-1D	2022 Q2	6/20/2022	0	0.7	18.1
GP-1D	2022 Q3	8/15/2022	0	10.2	10.3
GP-1D	2022 Q4	1/10/2023	0.3	9.6	13.6
GP-1S	2022 Q1	3/29/2022	0	2.1	16.5
GP-1S	2022 Q2	6/20/2022	0	2.6	16.2
GP-1S	2022 Q3	8/15/2022	0	5.5	13.3
GP-1S	2022 Q4	1/10/2023	0.4	4.5	17.1
GP-2D	2022 Q1	3/29/2022	0.2	0.3	18.2
GP-2D	2022 Q2	6/20/2022	0	0.2	18.4
GP-2D	2022 Q3	8/15/2022	0	0.2	17.6
GP-2D	2022 Q4	1/10/2023	0.4	0.3	21.5
GP-2S	2022 Q1	3/29/2022	0.1	0.2	18.4
GP-2S	2022 Q2	6/20/2022	0	0.2	18.5
GP-2S	2022 Q3	8/15/2022	0	0.3	17.3
GP-2S	2022 Q4	1/10/2023	0.5	0.3	21.7
GP-3D	2022 Q1	3/29/2022	0	6.2	13
GP-3D	2022 Q2	6/20/2022	0	4.6	14.5
GP-3D	2022 Q3	8/15/2022	0	10.7	8.4
GP-3D	2022 Q4	1/10/2023	0.4	10.2	11.6
GP-3S	2022 Q1	3/29/2022	0.2	3.3	16.4
GP-3S	2022 Q2	6/20/2022	0	3.5	16
GP-3S	2022 Q3	8/15/2022	0	5.8	13
GP-3S	2022 Q4	1/10/2023	0.3	5.2	16.7
GW-1	2022 Q1	3/29/2022	0	4.9	13.2
GW-1	2022 Q2	6/20/2022	0	4.9	13.2
GW-1	2022 Q3	8/15/2022	0	15.9	2.8
GW-1	2022 Q4	1/10/2023	0.4	12.7	7.4
GW-10	2022 Q1	3/29/2022	5	12.9	5.5
GW-10	2022 Q2	6/20/2022	0	0.1	18.5
GW-10	2022 Q3	8/15/2022	33.4	36.2	0
GW-10	2022 Q4	1/10/2023	36.7	29.2	0.4
GW-2	2022 Q1	3/29/2022	2.2	14.5	5.6
GW-2	2022 Q2	6/20/2022	0.8	7.7	11
GW-2	2022 Q3	8/15/2022	1.8	20.6	0

Bold indicates value above LEL

Table 5-9d. Landfill Gas Monitoring Data, 2022

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
GW-2	2022 Q4	1/10/2023	0.9	12.8	8.3
GW-3	2022 Q1	3/29/2022	4	17	14.2
GW-3	2022 Q2	6/20/2022	3.4	4.3	15.5
GW-3	2022 Q3	8/15/2022	10.4	27.9	0
GW-3	2022 Q4	1/10/2023	3.1	16.9	2.3
GW-4	2022 Q1	3/29/2022	8.2	5.2	14.5
GW-4	2022 Q2	6/20/2022	4.6	3.4	16
GW-4	2022 Q3	8/15/2022	7.8	10.3	9.9
GW-4	2022 Q4	1/10/2023	17.9	21.2	2
GW-5	2022 Q1	3/29/2022	0	0.3	18.2
GW-5	2022 Q2	6/20/2022	0	0.1	16.1
GW-5	2022 Q3	8/15/2022	15.1	28.2	0
GW-5	2022 Q4	1/10/2023	13	21.1	2.2
GW-6	2022 Q1	3/29/2022	0	0.2	18.3
GW-6	2022 Q2	6/20/2022	0	0.2	18.2
GW-6	2022 Q3	8/15/2022	0	16.6	2.5
GW-6	2022 Q4	1/10/2023	0.5	0.1	22.3
GW-7	2022 Q1	3/29/2022	0	0.4	17.8
GW-7	2022 Q2	6/20/2022	6	9.1	8.7
GW-7	2022 Q3	8/15/2022	26	33.1	0
GW-7	2022 Q4	1/10/2023	0.7	12.9	7.5
GW-8	2022 Q1	3/29/2022	0	0.1	18.3
GW-8	2022 Q2	6/20/2022	6.3	9.5	8.9
GW-8	2022 Q3	8/15/2022	22.1	32	0
GW-8	2022 Q4	1/10/2023	8.5	7.8	16.4
GW-9	2022 Q1	3/29/2022	0	0.2	18
GW-9	2022 Q2	6/20/2022	6.7	7.2	11
GW-9	2022 Q3	8/15/2022	23.3	30.7	0
GW-9	2022 Q4	1/10/2023	17.8	21.3	3.7

Table 5-9e. Landfill Gas Monitoring Data, 2023

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
Flare	2023 Q1	3/1/2023	0	0	20.6
Flare	2023 Q2	5/22/2023	4.1	7.2	14
Flare	2023 Q3	8/29/2023	11.4	14.1	8
Flare	2023 Q4	12/5/2023	0	0.1	21.2
GP-1D	2023 Q1	3/1/2023	0	7.3	14
GP-1D	2023 Q2	5/22/2023	0.6	7.9	13.8
GP-1D	2023 Q3	8/29/2023	0	6.5	14.9
GP-1D	2023 Q4	12/5/2023	0	9.4	13.6
GP-1S	2023 Q1	3/1/2023	0	0.2	20.5
GP-1S	2023 Q2	5/22/2023	0.5	3	17.5
GP-1S	2023 Q3	8/29/2023	0	3.2	17.3
GP-1S	2023 Q4	12/5/2023	0	5.1	16.7
GP-2D	2023 Q1	3/1/2023	0	0.2	20.5
GP-2D	2023 Q2	5/22/2023	0.5	0.2	20.3
GP-2D	2023 Q3	8/29/2023	0	0.1	20.2
GP-2D	2023 Q4	12/5/2023	0	0.3	20.9
GP-2S	2023 Q1	3/1/2023	0	0.2	20.8
GP-2S	2023 Q2	5/22/2023	0.5	0.2	20.3
GP-2S	2023 Q3	8/29/2023	0	0.2	20.1
GP-2S	2023 Q4	12/5/2023	0	0.2	21.1
GP-3D	2023 Q1	3/1/2023	0	4.5	16.3
GP-3D	2023 Q2	5/22/2023	0.6	8.4	12.3
GP-3D	2023 Q3	8/29/2023	0	0	20.3
GP-3D	2023 Q4	12/6/2023	0	10.6	10.3
GP-3S	2023 Q1	3/1/2023	0	2	19.4
GP-3S	2023 Q2	5/22/2023	0.6	3.3	18.2
GP-3S	2023 Q3	8/29/2023	0	0	20.2
GP-3S	2023 Q4	12/6/2023	0.1	7.8	13.3
GW-1	2023 Q1	3/1/2023	0	0	20.5
GW-1	2023 Q2	5/22/2023	0.7	12.8	6.6
GW-1	2023 Q3	8/29/2023	3.4	6.1	14.8
GW-1	2023 Q4	12/6/2023	0.1	18.7	1.2
GW-10	2023 Q1	3/1/2023	0	0.2	20.8
GW-10	2023 Q2	5/22/2023	19.3	22.6	0.6
GW-10	2023 Q3	8/29/2023	7.3	13.7	6.6
GW-10	2023 Q4	12/6/2023	44.3	33.3	0
GW-2	2023 Q1	3/1/2023	0	0.1	20.5
GW-2	2023 Q2	5/22/2023	3.5	5.5	15.6
GW-2	2023 Q3	8/29/2023	2	4.8	15.3

Bold indicates value above LEL

Table 5-9e. Landfill Gas Monitoring Data, 2023

Probe	Event	Date	CH4 (% total)	CO2 (% total)	O2 (% total)
GW-2	2023 Q4	12/6/2023	3.4	20.1	0.1
GW-3	2023 Q1	3/1/2023	0	0.1	20.6
GW-3	2023 Q2	5/22/2023	2.1	14.9	4.4
GW-3	2023 Q3	8/29/2023	0	0	20.2
GW-3	2023 Q4	12/6/2023	2.1	8.4	12.7
GW-4	2023 Q1	3/1/2023	1.1	2.2	18.3
GW-4	2023 Q2	5/22/2023	13.4	17.2	3.6
GW-4	2023 Q3	8/29/2023	1.9	7.9	11.6
GW-4	2023 Q4	12/6/2023	8.2	16.6	5.3
GW-5	2023 Q1	3/1/2023	0	0.1	20.9
GW-5	2023 Q2	5/22/2023	14	22.2	0.6
GW-5	2023 Q3	8/29/2023	12.6	20.4	1.9
GW-5	2023 Q4	12/6/2023	10.4	20.2	3.1
GW-6	2023 Q1	3/1/2023	0	0	20.5
GW-6	2023 Q2	5/22/2023	0.7	12.4	7.1
GW-6	2023 Q3	8/29/2023	2.5	3.4	17
GW-6	2023 Q4	12/6/2023	0.4	19.9	0
GW-7	2023 Q1	3/1/2023	0	0	21.1
GW-7	2023 Q2	5/22/2023	19.3	21.1	4.4
GW-7	2023 Q3	8/29/2023	14.2	14.5	8.1
GW-7	2023 Q4	12/6/2023	19.7	24	2.5
GW-8	2023 Q1	3/1/2023	0	0.1	20.6
GW-8	2023 Q2	5/22/2023	3.4	4.7	15.1
GW-8	2023 Q3	8/29/2023	1.9	2.7	16.9
GW-8	2023 Q4	12/6/2023	24.7	27.8	0
GW-9	2023 Q1	3/1/2023	0	0.1	20.9
GW-9	2023 Q2	5/22/2023	0.8	0.7	20.6
GW-9	2023 Q3	8/29/2023	16.7	18.1	5.6
GW-9	2023 Q4	12/6/2023	20.1	23.9	1.9

Table 5-10. Gas Probe Methane Percent

Closed Snipes Mountain Landfill, Yakima County, Washington

Date	GP-1D	GP-1S	GP-2D	GP-2S	GP-3D	GP-3S
21-Jun-01						0
13-Mar-03	0	0	0	0	0	0
18-Jul-03	0	0	0	0	0	0
01-Oct-03	0	0	0	0	0	0
09-Dec-03	0	0			0	0
11-Dec-03			0	0		
05-Apr-04	0	0	0	0	0	0
21-Jun-04	0	0	0	0	0	
13-Sep-04	0	0	0	0	0	0
14-Dec-04			0	0		
16-Dec-04	0	0			0	0
17-Jun-05	0	0	0.3	0.2	0	0
27-Sep-05	0	0	0.1	0	0	0
12-Jan-06	0	0	0.1	0	0	0.1
19-Sep-06	0.1	0	0	0	0	0
13-Dec-06			0	0.1		
14-Dec-06	0	0			0	0
26-Mar-07	0	0	0	0	0	0
25-Jun-07	0.1	0.1	0	0	0	0
24-Sep-07	0.1	0.1	0	0.1	0	0
10-Dec-07	0	0	0	0	0	0
12-Mar-08	0.1	0.2	0	0	0	0
24-Jun-08	0	0	0	0	0	0
16-Sep-08	0.1	0	0	0	0.2	0.1
30-Dec-08	0	0	0	0	0	0
30-Mar-09	0	0	0	0	0	0
16-Jun-09	0	0	0	0	0	0
16-Sep-09	0	0.1	0	0	0	0
02-Dec-09			0	0		
03-Dec-09	0.1	0.1			0	0
24-Mar-10	0	0	0	0	0	0
02-Jun-10	0.1		0	0.1	0.1	0
30-Sep-10	0	0	0	0	0	0
08-Dec-10	0.1	0	0	0.1	0	0.1
21-Mar-11	0.1	0.1	0	0	0	0
24-Jun-11	0	0	0	0	0.1	0
20-Sep-11	0	0	0	0	0.1	0.2
12-Dec-11	0.1	0	0	0	0.1	0.1
27-Mar-12	0	0	0	0	0	0
12-Jun-12	0	0	0	0	0	0
26-Sep-12	0	0	0	0	0	0
04-Dec-12	0.1	0.1	0	0	0	0
27-Mar-13	0	0	0	0	0	0
11-Jun-13	0	0	0	0	0	0
25-Sep-13	0	0	0	0	0	0
02-Dec-13	0	0	0	0	0	0.1
26-Mar-14	0	0	0	0	0	0

16-Jun-14	0	0	0	0	0	0.1
19-Sep-14	0	0	0	0	0	0
01-Dec-14	0	0	0	0	0	0
05-Mar-15	0	0	0	0	0	0
23-Jun-15	0	0	0	0	0	0
11-Sep-15	0	0	0	0	0	0
30-Nov-15	0	0	0	0	0	0
30-Mar-16	0	0	0	0	0	0
14-Jun-16	0	0	0	0	0	0
07-Sep-16	0	0	0	0	0	0
13-Dec-16	0	0	0	0	0	0
07-Mar-17	0	0	0	0	0	0
05-Jun-17	0	0	0	0	0	0
15-Sep-17	0	0	0	0	0	0
04-Dec-17	0	0	0	0		
06-Dec-17					0	0
27-Mar-18	0	0	0	0	0	0
25-Jun-18	0.1	0.1	0.1	0.1	0.1	0.1
17-Sep-18	0	0	0	0	0.1	0.1
10-Dec-18	0.3	0.3	0.3	0.3	0.3	0.3
06-Mar-19	0.3	0.2	0.3	0.3	0.2	0.1
11-Jun-19	0	0	0	0	0.2	0
02-Sep-19	0	0	0	0	0	0
10-Dec-19	0.2	0.2	0.2	0.2	0.2	0.2
12-Mar-20	0.1	0.1	0.1	0	0.1	0
08-Jun-20	0	0	0	0.1	0.1	0.1
09-Sep-20	0	0	0	0	0.1	0.1
28-Dec-20	0.4	0.4	0.4	0.4	0.4	0.4
18-Mar-21	0.1	0.1	0	0	0.3	0.3
02-Jun-21	0	0	0	0	0	0
07-Sep-21	0	0	0	0	0	0
07-Dec-21	0.4	0.4	0.4	0.4	0.4	0.4
29-Mar-22	0	0	0.2	0.1	0	0.2
20-Jun-22	0	0	0	0	0	0
15-Aug-22	0	0	0	0	0	0
10-Jan-23	0.3	0.4	0.4	0.5	0.4	0.3
01-Mar-23	0	0	0	0	0	0
22-May-23	0.6	0.5	0.5	0.5	0.6	0.6
29-Aug-23	0	0	0	0	0	0
05-Dec-23	0	0	0	0		
06-Dec-23					0	0.1

Table 6-1. Contaminants of Potential Concern to be Evaluated at Snipes Mountain Landfill

Closed Snipes Mountain Landfill, Yakima County, Washington

WAC 173-351 Appendix	Constituent	MTCA Groundwater Criteria (µg/L)						WA State MCL (µg/L)	Federal MCL (µg/L)	Federal MCLG (µg/L)	Other Regulatory Criteria (µg/L)	CLARC Groundwater Target Criterion	Previous Results Available
		Method A	Method B Noncancer	Method B Cancer	Method B Potable GW Cleanup Level	Method C Noncancer	Method C Cancer						
APPENDIX III	0,0,0-Triethyl phosphorothioate											No	
APPENDIX III	0,0-Diethyl 0-2-pyrazinyl phosphorothioate (Thionazin)											No	
APPENDIX I - ORGANIC	1,1,1,2-Tetrachloroethane		240	1.7	1.6827	530	17					C	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,1,1-Trichloroethane (methyl chloroform)	200	16000		200	35000		200	200	200		MCL	Yes
APPENDIX I - ORGANIC	1,1,2,2-Tetrachloroethane		160	0.22	0.2188	350	2.2					C	Yes
APPENDIX I - ORGANIC	1,1,2-Trichloroethane		32	0.77	3	70	7.7	5	5	3		MCLG	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,1-Dichloroethane		1600	7.7	7.6754	3500	77					C	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,1-Dichloroethene		400			880		7	7	7		MCL	Yes
APPENDIX III	1,1-Dichloropropene												Yes
APPENDIX I - ORGANIC	1,2,3-Trichloropropane		32	0.0004	0.0004	70	0.015					C	Yes
APPENDIX III	1,2,4,5-Tetrachlorobenzene		2.4		2.4	5.3						N	No
APPENDIX III	1,2,4-Trichlorobenzene		80	1.5	15.0862	180	15	70	70	70		MCL C ADJ	Yes
APPENDIX I - ORGANIC	1,2-Dibromo-3-chloropropane (DBCP)		1.6	0.014	0.1439	3.5	0.55	0.2	0.2	0		MCL C ADJ	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,2-Dibromoethane (EDB)	0.01	72	0.022	0.05	160	0.22	0.05	0.05	0		MCL	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,2-Dichlorobenzene		720		600	1600		600	600	600		MCL	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,2-Dichloroethane (EDC)	5	48	0.48	4.8077	110	4.8	5	5	0		MCL C ADJ	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,2-Dichloropropane (propylene dichloride)		320	1.2	5	700	12	5	5	0		MCL	Yes
APPENDIX III	1,3-Dichlorobenzene												Yes
APPENDIX III	1,3-Dichloropropane (trimethylene dichloride)		160		160	350						N	Yes
APPENDIX I - ORGANIC, APPENDIX III	1,4-Dichlorobenzene		560	8	75	1200	81	75	75	75		MCL	Yes
APPENDIX III	1,4-dioxane		240	0.44	0.44	530	4.4					C	No
APPENDIX III	1,4-Naphthoquinone												No
APPENDIX III	1-Naphthylamine												No
APPENDIX III	2,2,1-Bis-(2-chloro-1-methylethyl) ether												No
APPENDIX III	2,2-Dichloropropane (isopropylidene chloride)												Yes
APPENDIX III	2,3,4,6-Tetrachlorophenol		480		480	1100						N	No
APPENDIX III	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		5.60E-06	3.40E-07	3.37E-06	1.20E-05	3.40E-06	3.00E-05	3.00E-05	0		MCL C ADJ	No
APPENDIX III	2,4,5-TP (Silvex)		130		50	280		50	50	50		MCL	No
APPENDIX III	2,4,5-Trichlorophenol		1600		1600	3500						N	No
APPENDIX III	2,4,5-Trichlorophenoxyacetic acid		160		160	350						N	No
APPENDIX III	2,4,6-Trichlorophenol		16	8	7.9545	35	80					C	No
APPENDIX III	2,4-Dichlorophenol		48		48	110						N	No
APPENDIX III	2,4-Dichlorophenoxyacetic acid		160		70	350		70	70	70		MCL	No
APPENDIX III	2,4-Dimethylphenol		320		320	700						N	No
APPENDIX III	2,4-Dinitrophenol		32		32	70						N	No
APPENDIX III	2,4-Dinitrotoluene		32	0.28	0.2823	70	2.8					C	No
APPENDIX III	2,6-Dichlorophenol												No
APPENDIX III	2,6-Dinitrotoluene		4.8	0.058	0.0583	11	0.58					C	No
APPENDIX III	2-Acetylaminofluorene (AAF)												No
APPENDIX I - ORGANIC, APPENDIX III	2-Butanone (MEK)		4800		4800	11000						N	Yes
APPENDIX III	2-Chloronaphthalene		640		640	1400						N	No
APPENDIX III	2-Chlorophenol		40		40	88						N	No
APPENDIX I - ORGANIC, APPENDIX III	2-Hexanone		40		40	88						N	Yes
APPENDIX III	2-methylaniline (o-Toluidine)			5.5	5.4688		55					C	No
APPENDIX III	2-Methylnaphthalene		32		32	70						N	No
APPENDIX III	2-Naphthylamine												No
APPENDIX III	2-Nitroaniline		160		160	350						N	No
APPENDIX III	2-Nitrophenol												No
APPENDIX III	2-sec-Butyl-4,6-dinitrophenol (DNBP)		16		7	35		7	7	7		MCL	No
APPENDIX III	3,3'-Dichlorobenzidine			0.19	0.1944	1.9						C	No
APPENDIX III	3,3'-Dimethylbenzidine			0.0080	0.0080	0.08						C	No
APPENDIX III	3-Methylcholanthrene												No
APPENDIX III	4,4'-DDD		8	0.36	0.3646	18	3.6					C	No
APPENDIX III	4,4'-DDE		4	0.13	0.1287	8.8	1.3					C	No
APPENDIX III	4,4'-DDT	0.3	8	0.26	0.2574	18	2.6					C	No
APPENDIX III	4,6-Dinitro-o-cresol (DNOC)		1.3		1.28	2.8						N	No
APPENDIX III	4-Aminobiphenyl			0.0042	0.0042		0.042					C	No
APPENDIX III	4-Bromophenyl phenyl ether												No
APPENDIX III	4-Chlorophenyl phenyl ether												No
APPENDIX I - ORGANIC, APPENDIX III	4-Methyl-2-pentanone (MIBK)		640		640	1400						N	Yes
APPENDIX III	4-Nitroaniline		64	4.4	4.375	140	44					C	No
APPENDIX III	4-Nitrophenol		320		9.7	9.7222	700					C	No
APPENDIX III	7,12-Dimethylbenz[a]anthracene												No
APPENDIX III	Acenaphthene		480		480	1100						N	No

Table 6-1. Contaminants of Potential Concern to be Evaluated at Snipes Mountain Landfill

Closed Snipes Mountain Landfill, Yakima County, Washington

WAC 173-351 Appendix	Constituent	MTCA Groundwater Criteria (µg/L)						WA State MCL (µg/L)	Federal MCL (µg/L)	Federal MCLG (µg/L)	Other Regulatory Criteria (µg/L)	CLARC Groundwater Target Criterion	Previous Results Available
		Method A	Method B Noncancer	Method B Cancer	Method B Potable GW Cleanup Level	Method C Noncancer	Method C Cancer						
APPENDIX III	Acenaphthylene											No	
APPENDIX I - ORGANIC	Acetone		7200		7200	16000						N	Yes
APPENDIX III	Acetonitrile (methyl cyanide)											N	No
APPENDIX III	Acetophenone		800		800	1800						N	No
APPENDIX III	Acrolein		4		4	8.8						N	Yes
APPENDIX I - ORGANIC	Acrylonitrile		8	0.081	0.0810	18	0.81					C	Yes
APPENDIX III	Aldrin		0.24	0.0026	0.0026	0.53	0.026					C	No
APPENDIX II	Alkalinity (as Ca CO3)												No
APPENDIX III	Allyl chloride			2.1	2.0833		21					C	No
APPENDIX III	alpha, alpha-Dimethylphenethylamine												No
APPENDIX III	alpha-BHC			0.014	0.0139		0.14					C	No
APPENDIX II	Ammonia (NH3-N)												Yes
APPENDIX III	Anthracene		2400		2400	5300						N	No
APPENDIX I - INORGANIC	Antimony		6.4		6	14	6	6	6			MCL	No
APPENDIX I - INORGANIC	Arsenic	5	4.8	0.058	5	11	10	10	0			Background	No
APPENDIX I - INORGANIC	Barium		3200		2000	7000	2000	2000	2000			MCL	No
APPENDIX I - ORGANIC	Benzene	5	32	0.8	5	70	5	5	0			MCL	Yes
APPENDIX III	Benzo[a]anthracene												No
APPENDIX III	Benzo[a]pyrene	0.1	4.8	0.023	0.2	11	0.2	0.2	0			MCL	No
APPENDIX III	Benzo[b]fluoranthene												No
APPENDIX III	Benzo[ghi]perylene												No
APPENDIX III	Benzo[k]fluoranthene												No
APPENDIX III	Benzyl alcohol		1600		1600	3500						N	No
APPENDIX I - INORGANIC	Beryllium		32		4	70	4	4	4			MCL	No
APPENDIX III	beta-BHC			0.049	0.0486		0.49					C	No
APPENDIX II	Bicarbonate (HCO3)												No
APPENDIX III	Bis(2-chloroethoxy)methane		48		48	110						N	No
APPENDIX III	Bis(2-chloroethyl)ether			0.04	0.0398		0.4						No
APPENDIX III	Bis(2-ethylhexyl) phthalate (DEHP)		320	6.3	6	700	63	6	0			MCL	No
APPENDIX I - ORGANIC, APPENDIX III	Bromochloromethane												Yes
APPENDIX I - ORGANIC	Bromoforn		160	5.5	55.3797	350	55	80	80	0		MCL C ADJ	Yes
APPENDIX I - ORGANIC	Bromomethane (methyl bromide)		11		11.2	25						N	Yes
APPENDIX III	Butyl benzyl phthalate (BBP)		3200	46	46.0526	7000	460					C	No
APPENDIX I - ORGANIC	butyl ketone												No
APPENDIX I - INORGANIC	Cadmium	5	8		5	18	5	5	5			MCL	No
APPENDIX II	Calcium (Ca)												No
APPENDIX I - ORGANIC	Carbon disulfide		800		800	1800						N	Yes
APPENDIX I - ORGANIC	Carbon tetrachloride		32	0.63	5	70	6.3	5	5	0		MCL	Yes
APPENDIX III	Chlordane		4	0.13	1.25	8.8	1.3	2	2	0		MCL C ADJ	No
APPENDIX III	Chlordecone (kepone)		4.8	0.0088	0.0088	11	0.088					C	No
APPENDIX I - ORGANIC, APPENDIX II	Chloride (Cl)										250000 (SMCL)	SMCL	Yes
APPENDIX I - ORGANIC	Chlorobenzene		160		100	350	100	100	100			MCL	Yes
APPENDIX III	Chlorobenzilate		320	0.8	0.7955	700	8					C	No
APPENDIX I - ORGANIC	Chloroethane (ethyl chloride)												Yes
APPENDIX I - ORGANIC	Chloroform		80	1.4	14.1129	180	14	80	80	70		MCL C ADJ	Yes
APPENDIX I - ORGANIC	Chloromethane (methyl chloride)												Yes
APPENDIX III	Chloroprene		160		160	350						N	No
APPENDIX I - INORGANIC	Chromium (Total)	50						100	100	100			No
APPENDIX III	Chrysene												No
APPENDIX I - ORGANIC, APPENDIX III	cis-1,2-Dichloroethene		16		16	35	70	70	70			MCL N ADJ	Yes
APPENDIX I - ORGANIC	cis-1,3-Dichloropropene		240	0.44	0.4375	530	4.4					C	Yes
APPENDIX I - INORGANIC	Cobalt		4.8		4.8	11						N	No
APPENDIX I - INORGANIC	Copper		640		640	1400	1300	1300	1300			MCL N ADJ	No
APPENDIX III	Cyanide		5		5.04	11	200	200	200			MCL N ADJ	No
APPENDIX III	DCIP												No
APPENDIX III	delta-BHC												No
APPENDIX III	Diallate			1.4	1.4344		14					C	No
APPENDIX III	Dibenz[a,h]anthracene												No
APPENDIX III	Dibenzofuran		8		8	18						N	No
APPENDIX I - ORGANIC, APPENDIX III	Dibromochloromethane		160	0.52	5.2083	350	5.2	80	80	60		MCL C ADJ	Yes
APPENDIX III	Dichlorodifluoromethane (CFC-12)		1600		1600	3500						N	Yes
APPENDIX III	Dichlorodisopropyl ether												No
APPENDIX III	Dieldrin		0.8	0.0055	0.0055	1.8	0.055					C	No
APPENDIX III	Diethyl phthalate		13000			28000						N	No
APPENDIX III	Dimethoate		35		35.2	77						N	No

Table 6-1. Contaminants of Potential Concern to be Evaluated at Snipes Mountain Landfill

Closed Snipes Mountain Landfill, Yakima County, Washington

WAC 173-351 Appendix	Constituent	MTCA Groundwater Criteria (µg/L)						WA State MCL (µg/L)	Federal MCL (µg/L)	Federal MCLG (µg/L)	Other Regulatory Criteria (µg/L)	CLARC Groundwater Target Criterion	Previous Results Available
		Method A	Method B Noncancer	Method B Cancer	Method B Potable GW Cleanup Level	Method C Noncancer	Method C Cancer						
APPENDIX III	Dimethyl phthalate											No	
APPENDIX III	Di-n-butyl phthalate (DBP)		1600		1600	3500					N	No	
APPENDIX III	Di-n-octyl phthalate (DNoP)		160		160	350					N	No	
APPENDIX III	Diphenylamine		1600		1600	3500					N	No	
APPENDIX III	Disulfoton		0.64		0.64	1.4					N	No	
APPENDIX III	Endosulfan I											No	
APPENDIX III	Endosulfan II											No	
APPENDIX III	Endosulfan sulfate		96		96	210					N	No	
APPENDIX III	Endrin		4.8		2	11	2	2	2		MCL	No	
APPENDIX III	Endrin aldehyde											No	
APPENDIX III	Ethyl methacrylate		720		720	1600					N	No	
APPENDIX III	Ethyl methanesulfonate											No	
APPENDIX I - ORGANIC	Ethylbenzene	700	800		700	1800	700	700	700		MCL	Yes	
APPENDIX I - ORGANIC	Ethylene dichloride											No	
APPENDIX III	Famphur											No	
APPENDIX III	Fluoranthene		640		640	1400					N	No	
APPENDIX III	Fluorene		320		320	700					N	No	
APPENDIX III	gamma-BHC (lindane)	0.2	4.8	0.08	0.2	11	0.2	0.2	0.2		MCL	No	
APPENDIX III	Heptachlor		4	0.0097	0.0972	8.8	0.4	0.4	0		MCL C ADJ	No	
APPENDIX III	Heptachlor epoxide		0.1	0.0048	0.0481	0.23	0.2	0.2	0		MCL C ADJ	No	
APPENDIX III	Hexachlorobenzene		6.4	0.027	0.2734	14	1	1	0		MCL C ADJ	No	
APPENDIX III	Hexachlorobutadiene		8	0.56	0.5609	18	5.6				C	Yes	
APPENDIX III	Hexachlorocyclopentadiene		48		48	110	50	50	50		MCL N ADJ	No	
APPENDIX III	Hexachloroethane		5.6	1.1	1.0938	12	11				C	No	
APPENDIX III	Hexachloropropene											No	
	Hexafluoropropylene oxide dimer acid (HFPO-DA; GenX)		0.024		0.01	0.053		0.01	0.01		MCL	No	
APPENDIX III	Indeno[1,2,3-cd]pyrene											No	
APPENDIX I - ORGANIC, APPENDIX III	Iodomethane (methyl iodide)											Yes	
APPENDIX II	Iron (Fe) (Dissolved)		11000		300	25000				300 (SMCL)	SMCL	Yes	
APPENDIX III	Isobutyl alcohol		2400		2400	5300					N	No	
APPENDIX III	Isodrin											No	
APPENDIX III	Isophorone		3200	92	92.1053	7000	920				C	No	
APPENDIX III	Isosafrole											No	
APPENDIX I - INORGANIC	Lead	15			15		15	15	0		MCL	No	
APPENDIX II	Magnesium (Mg)											No	
APPENDIX II	Manganese (Mn) (Dissolved)		750		50	1600				50 (SMCL)	SMCL	Yes	
APPENDIX III	m-Cresol		800		800	1800					N	No	
APPENDIX III	m-Dinitrobenzene		1.6		1.6	3.5					N	No	
APPENDIX III	Mercury	2			2		2	2	2		MCL	No	
APPENDIX III	Methacrylonitrile		0.8		0.8	1.8					N	No	
APPENDIX III	Methapyrene											No	
APPENDIX III	Methoxychlor		80		40	180	40	40	40		MCL	No	
APPENDIX III	Methyl methacrylate		11000		11200	25000					N	No	
APPENDIX III	Methyl methanesulfonate											No	
APPENDIX III	Methyl parathion		4		4	8.8					N	No	
APPENDIX I - ORGANIC	Methylene bromide		80		80	180					N	Yes	
APPENDIX I - ORGANIC	Methylene chloride	5	48	5.8	5	110	220	5	5	0	MCL	Yes	
APPENDIX III	m-Nitroaniline											No	
APPENDIX III	Naphthalene	160	160		160	350					N	Yes	
APPENDIX I - INORGANIC	Nickel		320		320	700					N	No	
APPENDIX I - INORGANIC	Nitrate		26000			56000	10000	10000	10000			Yes	
APPENDIX III	Nitrobenzene		16		16	35					N	No	
APPENDIX III	N-Nitrosodiethylamine			0.00015	0.000154	0.0058					C	No	
APPENDIX III	N-Nitrosodimethylamine	0.064		0.00023	0.000226	0.14	0.0086				C	No	
APPENDIX III	N-Nitroso-di-n-butylamine			0.0081	0.008102	0.081					C	No	
APPENDIX III	N-Nitrosodiphenylamine			18	17.857	180					C	No	
APPENDIX III	N-Nitrosodipropylamine			0.013	0.0125	0.13					C	No	
APPENDIX III	N-Nitrosomethylethalamine											No	
APPENDIX III	N-Nitrosopiperidine											No	
APPENDIX III	N-Nitrosopyrrolidine			0.042	0.0417	0.42					C	No	
APPENDIX III	o-Cresol		800		800	1800					N	No	
APPENDIX III	p-(Dimethylamino)azobenzene											No	
APPENDIX III	Parathion		96		96	210					N	No	
APPENDIX III	p-Chloroaniline		64	0.44	0.4375	140	4.4				C	No	
APPENDIX III	p-Chloro-m-cresol (chlorocresol)		1600		1600	3500					N	No	

Table 6-1. Contaminants of Potential Concern to be Evaluated at Snipes Mountain Landfill

Closed Snipes Mountain Landfill, Yakima County, Washington

WAC 173-351 Appendix	Constituent	MTCA Groundwater Criteria (µg/L)						WA State MCL (µg/L)	Federal MCL (µg/L)	Federal MCLG (µg/L)	Other Regulatory Criteria (µg/L)	CLARC Groundwater Target Criterion	Previous Results Available
		Method A	Method B Noncancer	Method B Cancer	Method B Potable GW Cleanup Level	Method C Noncancer	Method C Cancer						
APPENDIX III	p-Cresol		1600		1600	3500						N	No
APPENDIX III	Pentachlorobenzene		6.4		6.4	14						N	No
APPENDIX III	Pentachloronitrobenzene		24	0.17	0.1683	53	1.7					C	No
APPENDIX III	Pentachlorophenol		80	0.22	1	180	2.2	1	1	0		MCL	No
	Perfluorobutanesulfonic acid (PFBS)		4.8		0.345	11			HI	HI	0.345 (SAL)	SAL	No
	Perfluorobutanoic acid (PFBA)		8		8	18						N	No
	Perfluorohexanesulfonic acid (PFHxS)		0.16		0.01	0.34			0.01	0.01	0.065 (SAL)	MCL	No
	Perfluorohexanoic acid (PFHxA)		8		8	18						N	No
	Perfluorononanoic acid (PFNA)		0.04		0.009	0.088			0.01	0.01	0.009 (SAL)	SAL	No
	Perfluorooctanesulfonic acid (PFOS)		0.048		0.004	0.11			0.004	0	0.015 (SAL)	MCL	No
	Perfluorooctanoic acid (PFOA)		0.048		0.004	0.11			0.004	0	0.01 (SAL)	MCL	No
APPENDIX III	Phenacetin												No
APPENDIX III	Phenanthrene												No
APPENDIX III	Phenol		4800		4800	11000						N	No
APPENDIX III	Phorate		3.2		3.2	7						N	No
APPENDIX III	Polychlorinated biphenyls (PCBs)	0.1		0.022	0.2188		0.22	0.5	0.5	0		MCL C ADJ	No
APPENDIX II	Potassium (K)												No
APPENDIX III	p-Phenylenediamine		16		16	35						N	No
APPENDIX III	Pronamide		1200		1200	2600						N	No
APPENDIX III	Propionitrile												No
APPENDIX III	Pyrene		240		240	530						N	No
APPENDIX III	Safrole												No
APPENDIX I - INORGANIC	Selenium		80		50	180		50	50	50		MCL	No
APPENDIX I - INORGANIC	Silver		80		80	180					100 (SMCL)	MCL N ADJ	No
APPENDIX II	Sodium (Na)												No
APPENDIX I - ORGANIC	Styrene		1600		100	3500		100	100	100		MCL	Yes
APPENDIX II	Sulfate (SO4)												Yes
APPENDIX III	Sulfide												No
APPENDIX III	sym-Trinitrobenzene												No
APPENDIX I - ORGANIC, APPENDIX III	Tetrachloroethene (PCE)	5	48	21	5	110	210	5	5	0		MCL	Yes
APPENDIX I - INORGANIC	Thallium		0.16		0.16	0.35		2	2	0.5		MCL N ADJ	No
APPENDIX III	Tin		9600		9600	21000						N	No
APPENDIX I - ORGANIC	Toluene	1000	640		640	1400		1000	1000	1000		MCL N ADJ	Yes
APPENDIX II	Total Dissolved Solids (TDS)												No
APPENDIX II	Total Organic Carbon (TOC)												Yes
APPENDIX II	Total Suspended Solids (TSS)												No
APPENDIX III	Toxaphene		1.4	0.08	0.7955	3.2	0.8	3	3	0		MCL C ADJ	Yes
APPENDIX I - ORGANIC, APPENDIX III	trans-1,2-Dichloroethene		160		100	350		100	100	100		MCL	Yes
APPENDIX I - ORGANIC	trans-1,3-Dichloropropene		240	0.44	0.4375	530	4.4					C	Yes
APPENDIX I - ORGANIC	trans-1,4-Dichloro-2-butene												Yes
APPENDIX I - ORGANIC	Trichloroethene (TCE)	5	4	0.54	4	8.8	9.5	5	5	0		MCL N ADJ	Yes
APPENDIX I - ORGANIC	Trichlorofluoromethane (CFC-11)		2400		2400	5300						N	Yes
APPENDIX I - INORGANIC	Vanadium		80		80	180						N	No
APPENDIX I - ORGANIC	Vinyl acetate		8000		8000	18000						N	Yes
APPENDIX I - ORGANIC, APPENDIX III	Vinyl chloride	0.2	24	0.029	0.2917	53	0.29	2	2	0		MCL C ADJ	Yes
APPENDIX I - ORGANIC, APPENDIX III	Xylenes	1000	1600		1600	3500		10000	10000	10000		MCL N ADJ	Yes
APPENDIX I - INORGANIC	Zinc		4800		4800	11000					5000 (SMCL)	MCL N ADJ	Yes

Notes:

µg/L: micrograms per liter

Background: the Washington groundwater background concentration as referenced in MTCA Table 720-1

BHC: hexachlorocyclohexane

C: Carcinogen, Method B calculation using MTCA Equation 720-2

CaCO3: calcium carbonate

CLARC: cleanup levels and risk calculation; a compendium of technical information related to calculating cleanup levels under MTCA Regulation, Chapter 173-340 WAC

MCL: maximum contaminant level

MCLG: maximum contaminant level goal

MCL C ADJ or MCLG C ADJ: MCL or MCLG adjusted to a lower concentration so that the excess cancer risk is one in one hundred thousand (1 x 10⁻⁵). See WAC 173-340-720(7)(b).

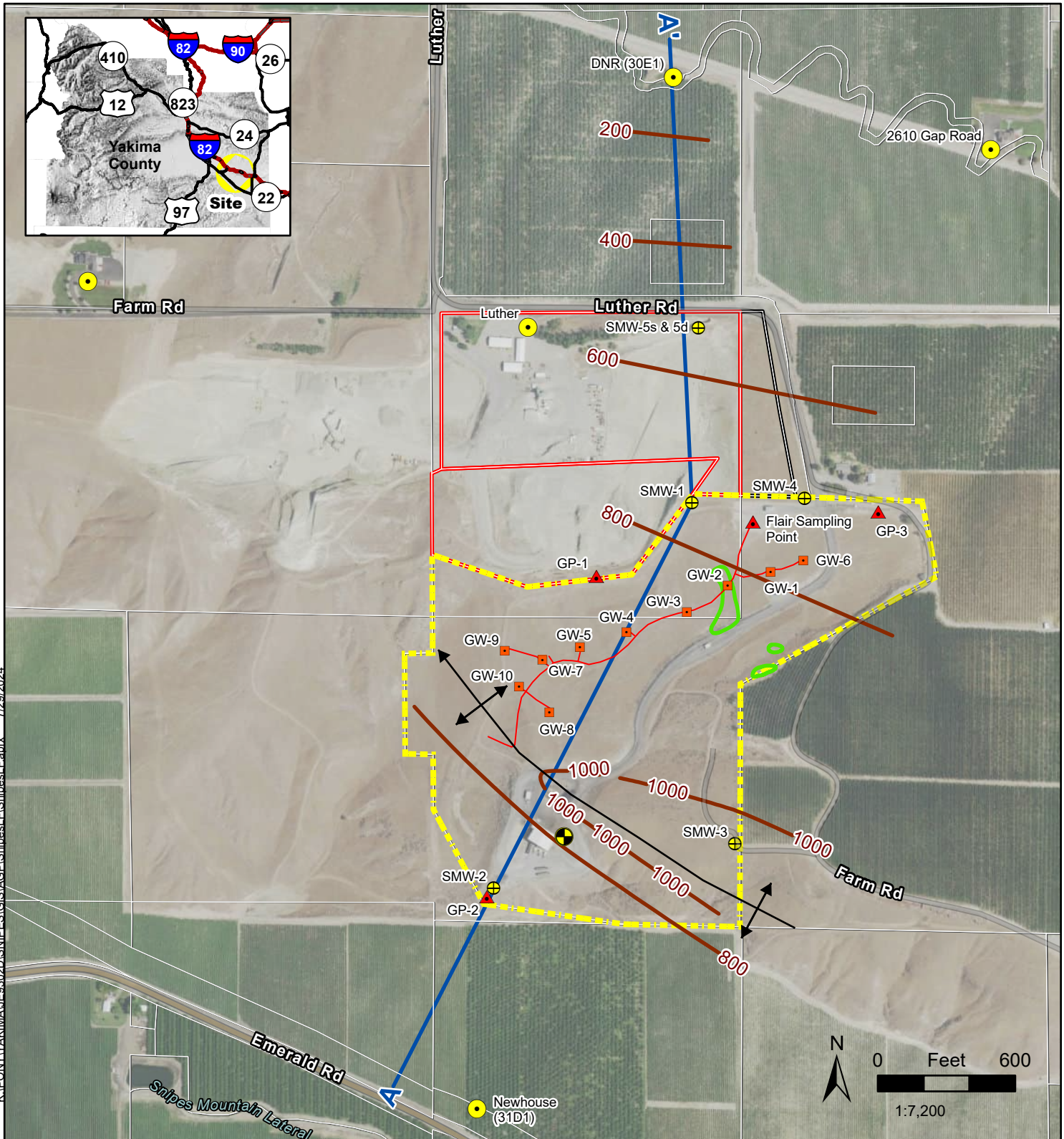
MCL N ADJ or MCLG N ADJ: MCL or MCLG adjusted to a lower concentration so that the noncancer hazard index is no greater than one (1). See WAC 173-340-720(7)(b).

N: Noncarcinogen, Method B calculation using MTCA Equation 720-1

SAL: state action level

SMCL: secondary maximum contaminant levels

K:\PONY\KIM\1E9302D\SNIPES\GIS\AGP\Snipes1_E.aprx 7/29/2024



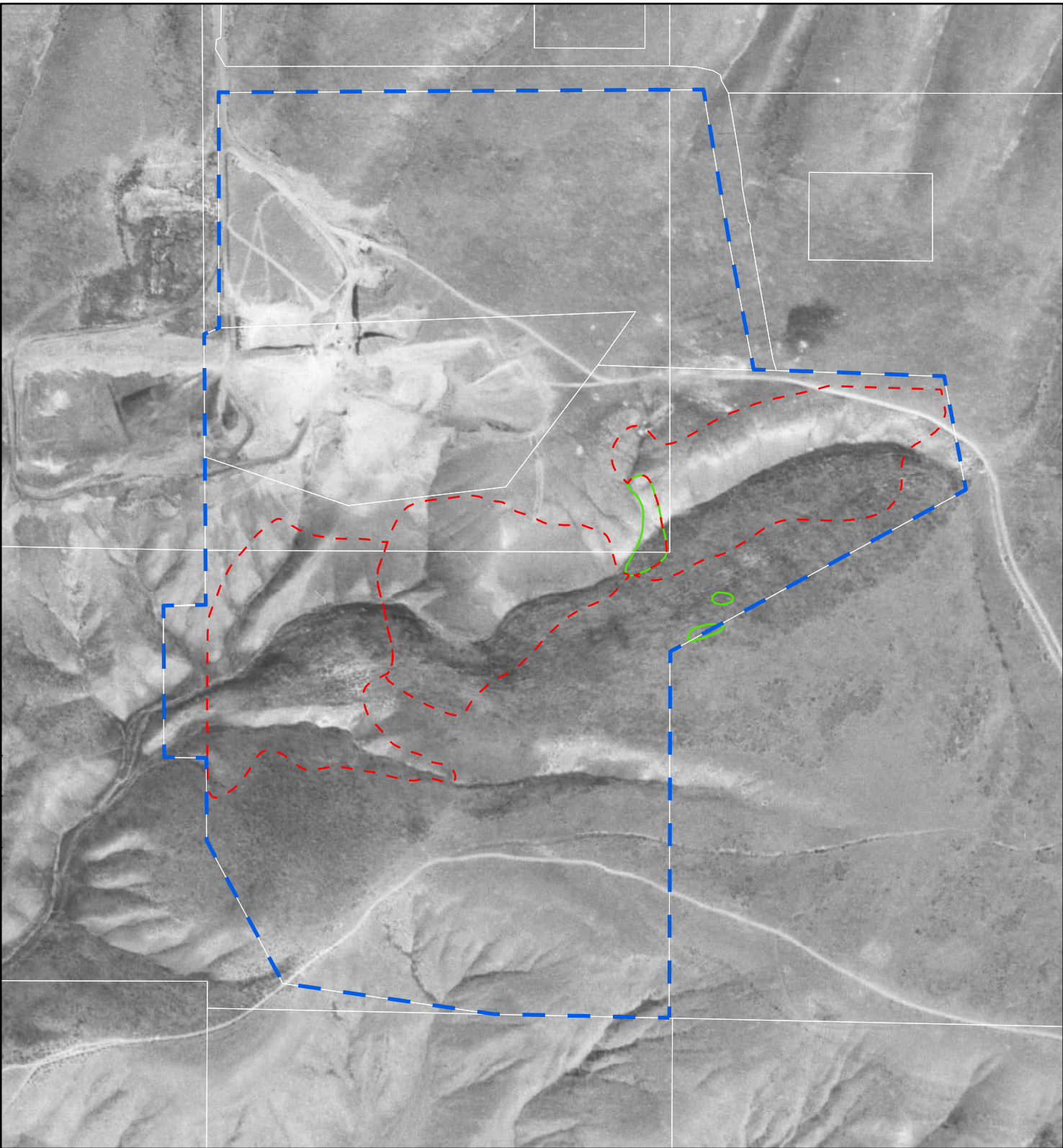
- | | | | |
|--|------------------------------------|--|--|
| | Monitoring Well | | Gas Extraction Piping |
| | Gas Well | | County Property Boundary |
| | Gas Probes & Gas Flair | | DNR Parcel within Site |
| | Offsite Well | | Luther Parcels within Site |
| | Onsite Supply Well | | Parcels |
| | Cross Section Alignment | | Elevation contour on top of Tem Geologic Unit; Dashed where removed. |
| | Former Septage Ponds (Approximate) | | Anticline Fold Axis |




Figure 1-1
Closed Snipes Mountain
Landfill Site Map

Closed Snipes Mountain Landfill
 Yakima County



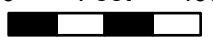
K:\BONYAK\KIM\JE9302\GIS\NIPES\GIS\AGP\SnipesL.E.aprx 5/23/2024



-  Site Boundary
-  Septage Ponds
-  Approximate Extent of Refuse



0 Feet 400



1:4,800




Figure 2-1
Site Vicinity Aerial Photo
1963

Closed Snipes Mountain Landfill
Yakima County



K:\BONNYAKIMAJE9302D\SNIPES\GIS\AGP\Snipes1_E.aprx 5/23/2024



-  Site Boundary
-  Septage Ponds
-  Approximate Extent of Refuse



0 Feet 400

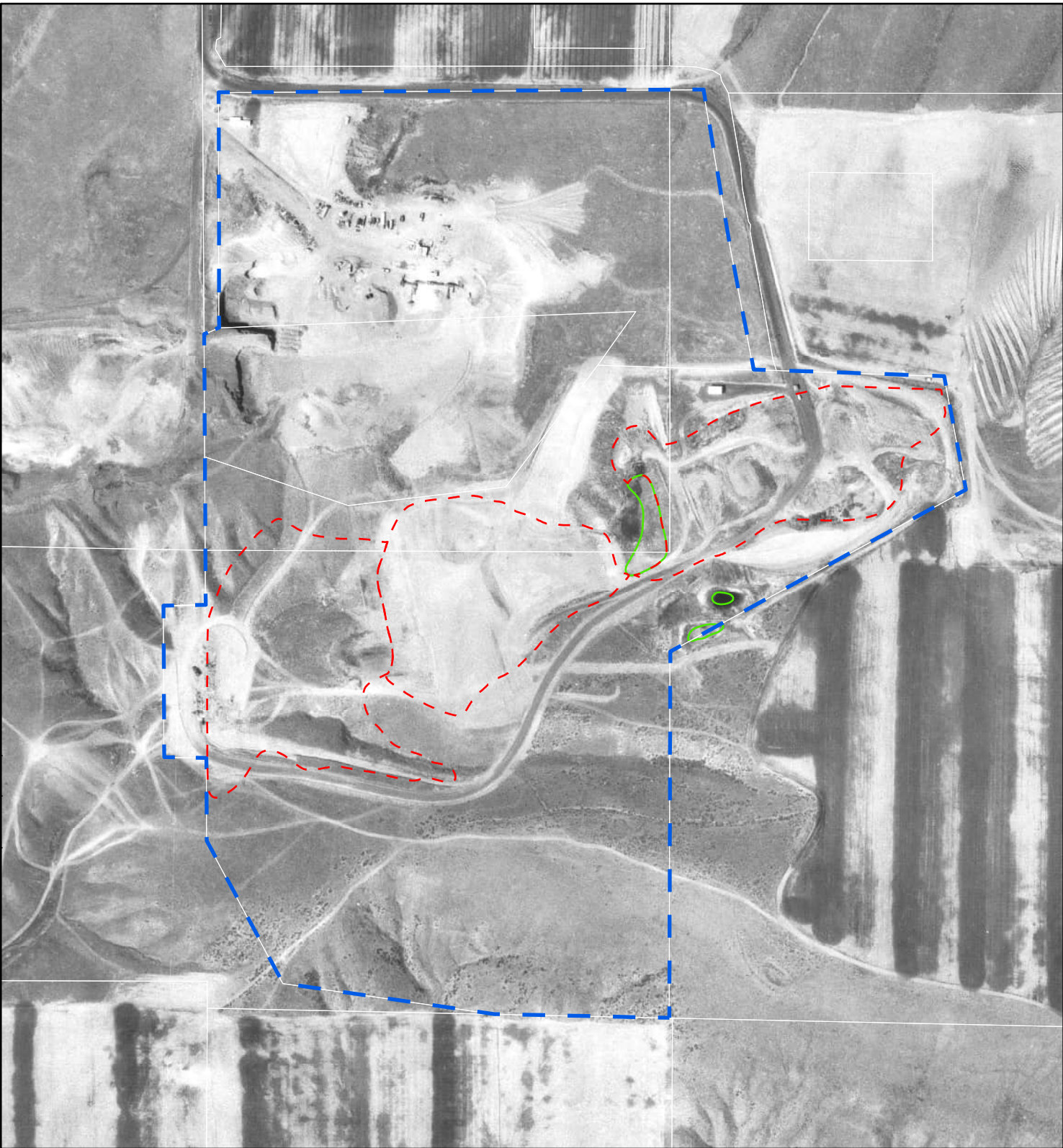
1:4,800




Figure 2-2
Site Vicinity Aerial Photo
1977

Closed Snipes Mountain Landfill
Yakima County




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-  Site Boundary
-  Septage Ponds
-  Approximate Extent of Refuse



0 Feet 400

A horizontal scale bar with a black and white alternating pattern, representing 0 to 400 feet.

1:4,800




Figure 2-3
Site Vicinity Aerial Photo
1979

Closed Snipes Mountain Landfill
Yakima County



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-  Site Boundary
-  Septage Ponds
-  Approximate Extent of Refuse



0 Feet 400

1:4,800




Figure 2-4
Site Vicinity Aerial Photo
1991

Closed Snipes Mountain Landfill
Yakima County



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-  Site Boundary
-  Seepage Ponds
-  Approximate Extent of Refuse



0 Feet 400

1:4,800

Figure 2-5
Site Vicinity Aerial Photo
2017

Closed Snipes Mountain Landfill
Yakima County



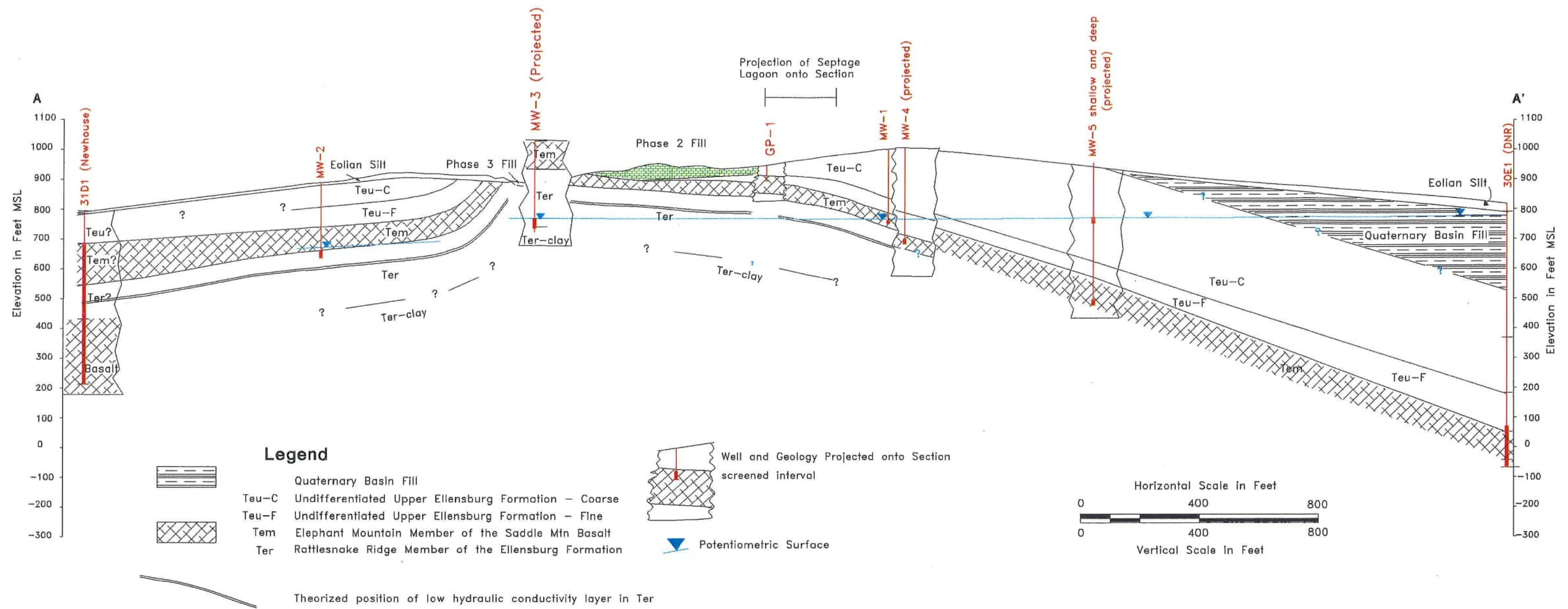
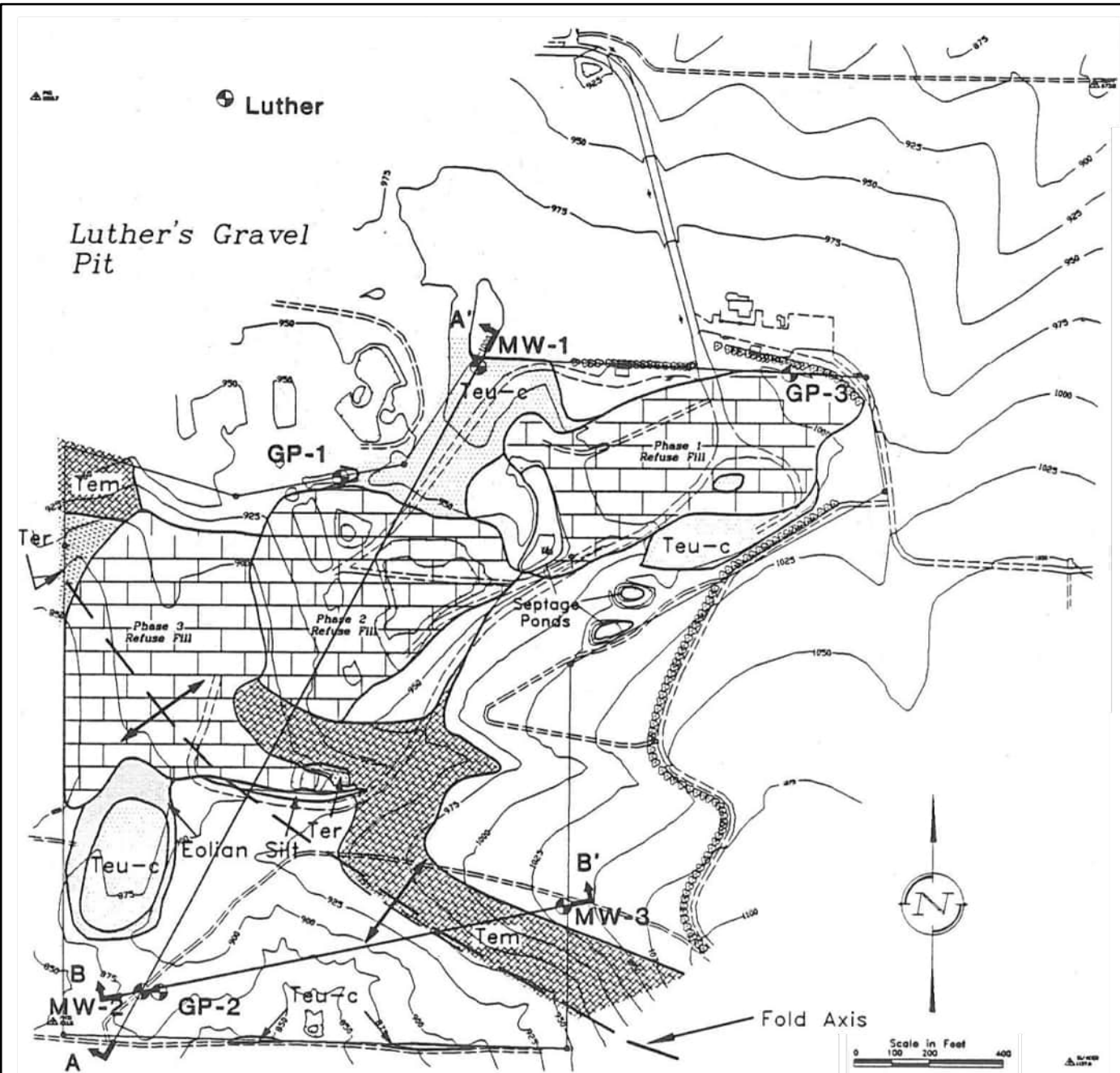


Figure 3-1
Cross Section A-A'



Teu-c Undifferentiated Upper Ellensburg Formation - Coarse
 Tem Elephant Mountain Member of Saddle Mtn Basalt
 Ter Rattlesnake Ridge Member of Ellensburg Formation
 ⊕ Luther Private Well
 ⊕ GP-3 Gas Probe
 ⊕ MW-2 Monitoring Well

Note: Unmapped areas are a thin mantle of eolian silt over unknown rock.

X Anticline
 ↗ Cross Section Location

Parametrix 1991

Figure 3-2
Geologic Site Plan

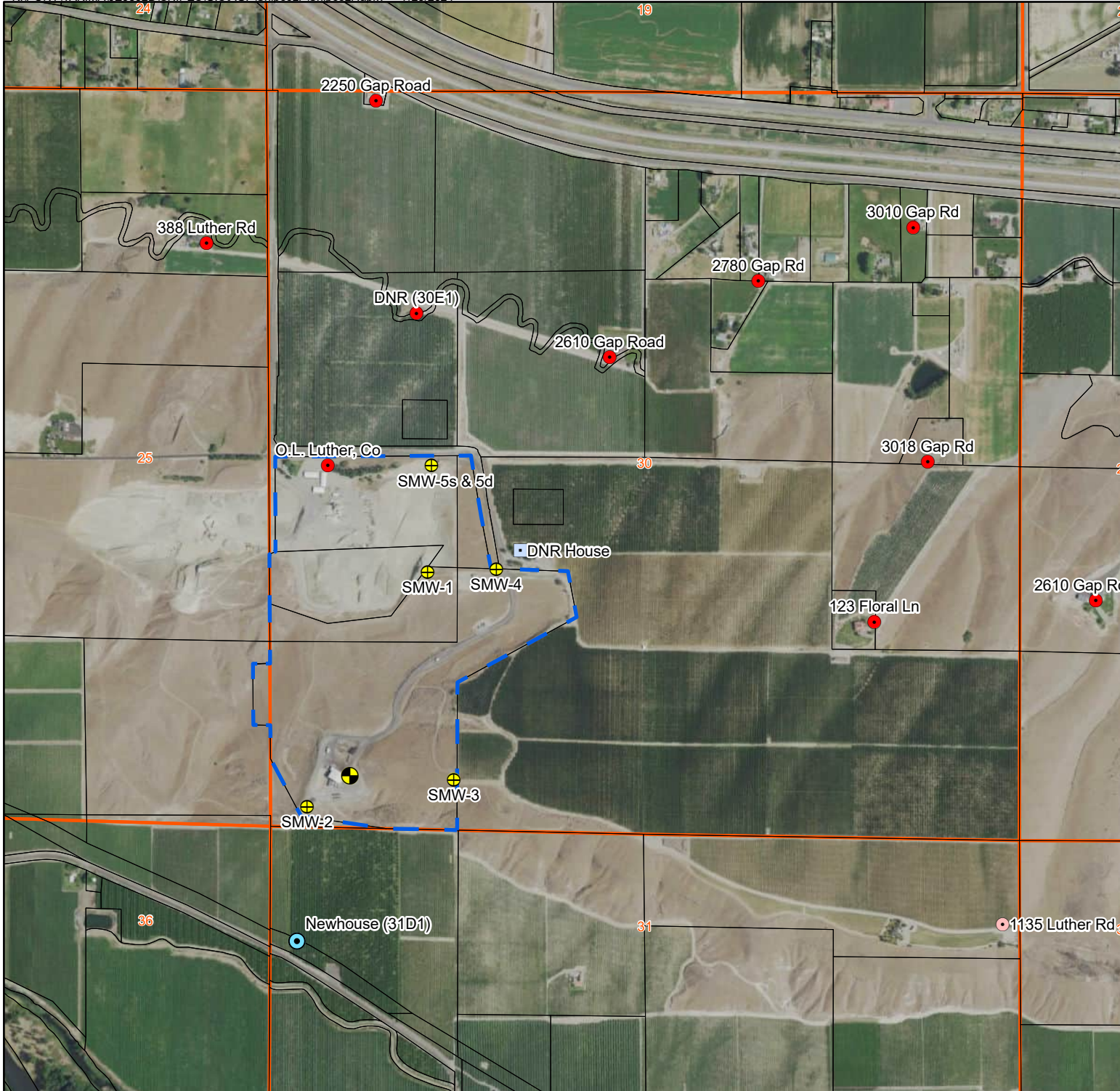
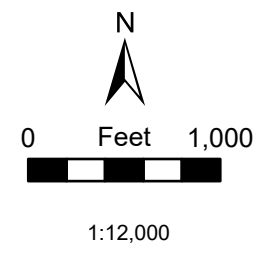


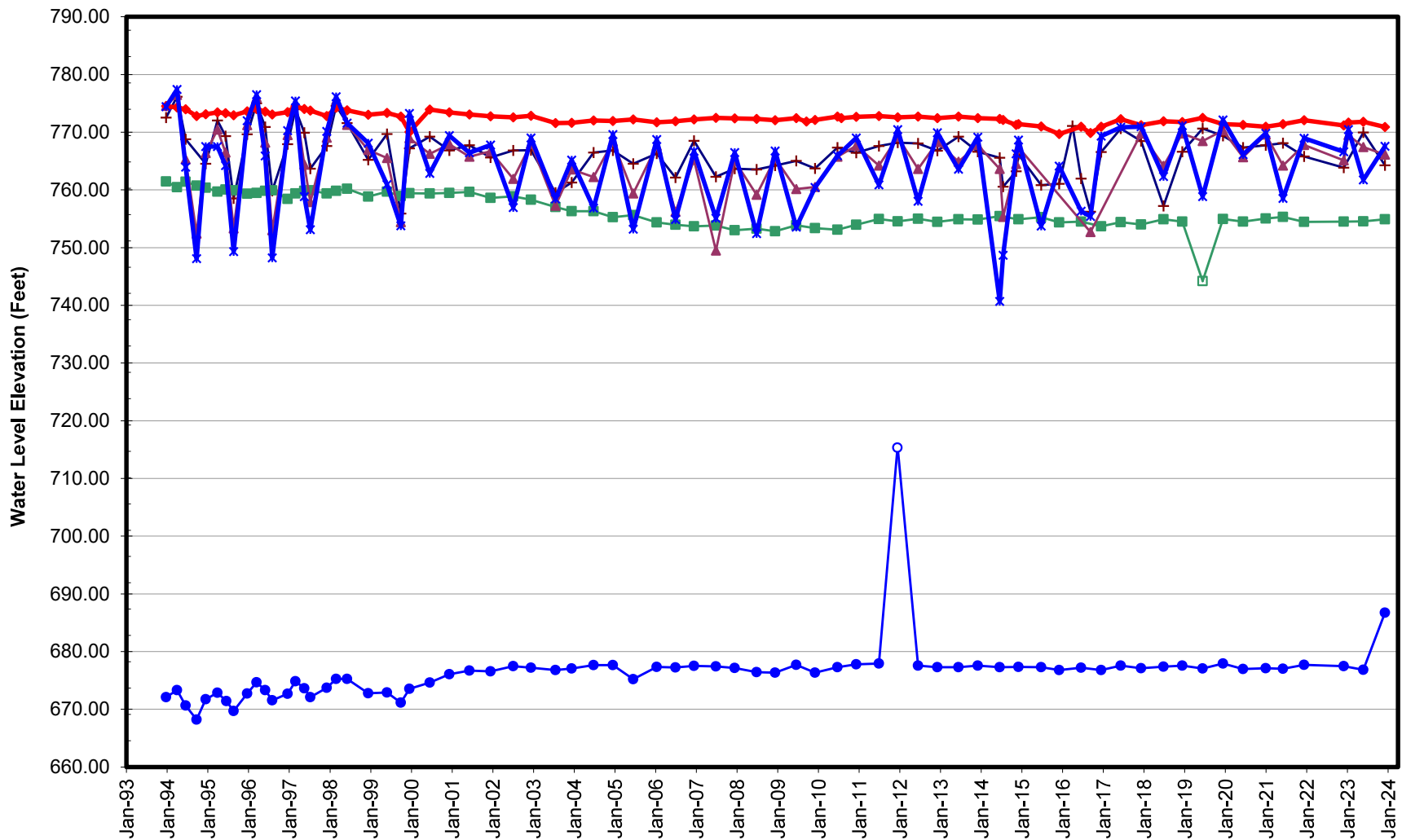
Figure 3-3
Surrounding Residential
and Irrigation Wells,
Snipes Mountain Landfill

Closed Snipes Mountain Landfill
Yakima County

M
M
MOTT
MACDONALD

- Monitoring Well
- Offsite Well
- Future Sample Well
- Sample Point
- Offsite Well (water elevation only)
- Onsite Supply Well
- Sections (T10N/R22E)
- Site Boundary





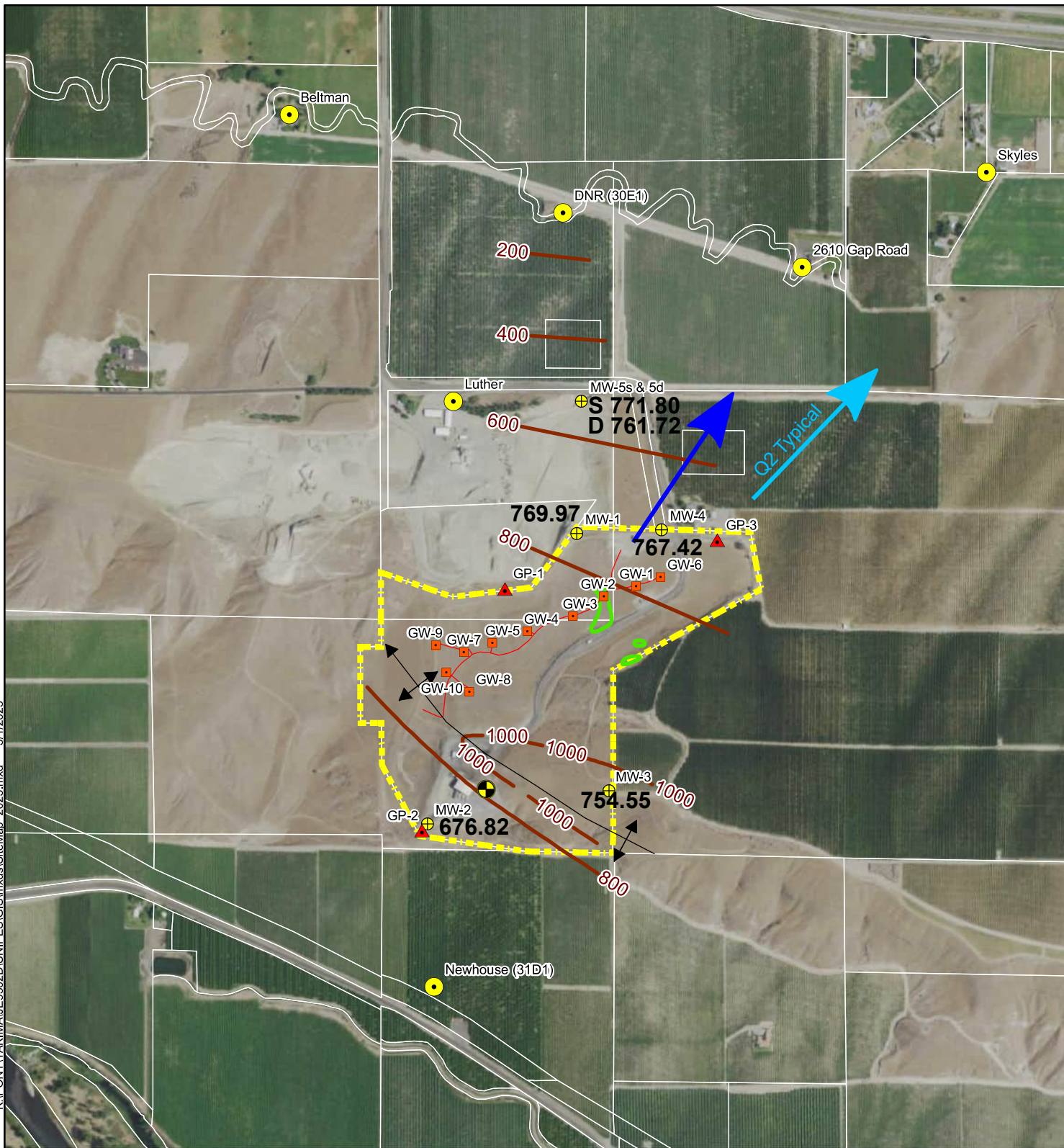
+ SMW-1 ● SMW-2 ■ SMW-3
 ▲ SMW-4 ◆ SMW-5s * SMW-5d
 Hollow data points indicate suspect measurements.

Figure 4-1. Hydrographs, Onsite Monitoring Wells 1993-2023

Closed Snipes Mountain Landfill (LVTs)



K:\PONY\YAKIMA\JE9302\SNIPES\GIS\mxd\SiteMap_2023.mxd 3/1/2023



758.53 Groundwater Elevation and Flow Direction ←

- ⊕ Monitoring Well
- Gas Well
- ▲ Gas Probes & Gas Flair
- Offsite Well
- ⊗ Onsite Supply Well
- Elevation contour on top of Tem Geologic Unit; Dashed where removed.
- Gas Extraction Piping
- - - County Property Boundary
- ▭ Former Septage Ponds (Approximate)

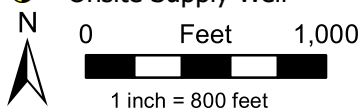
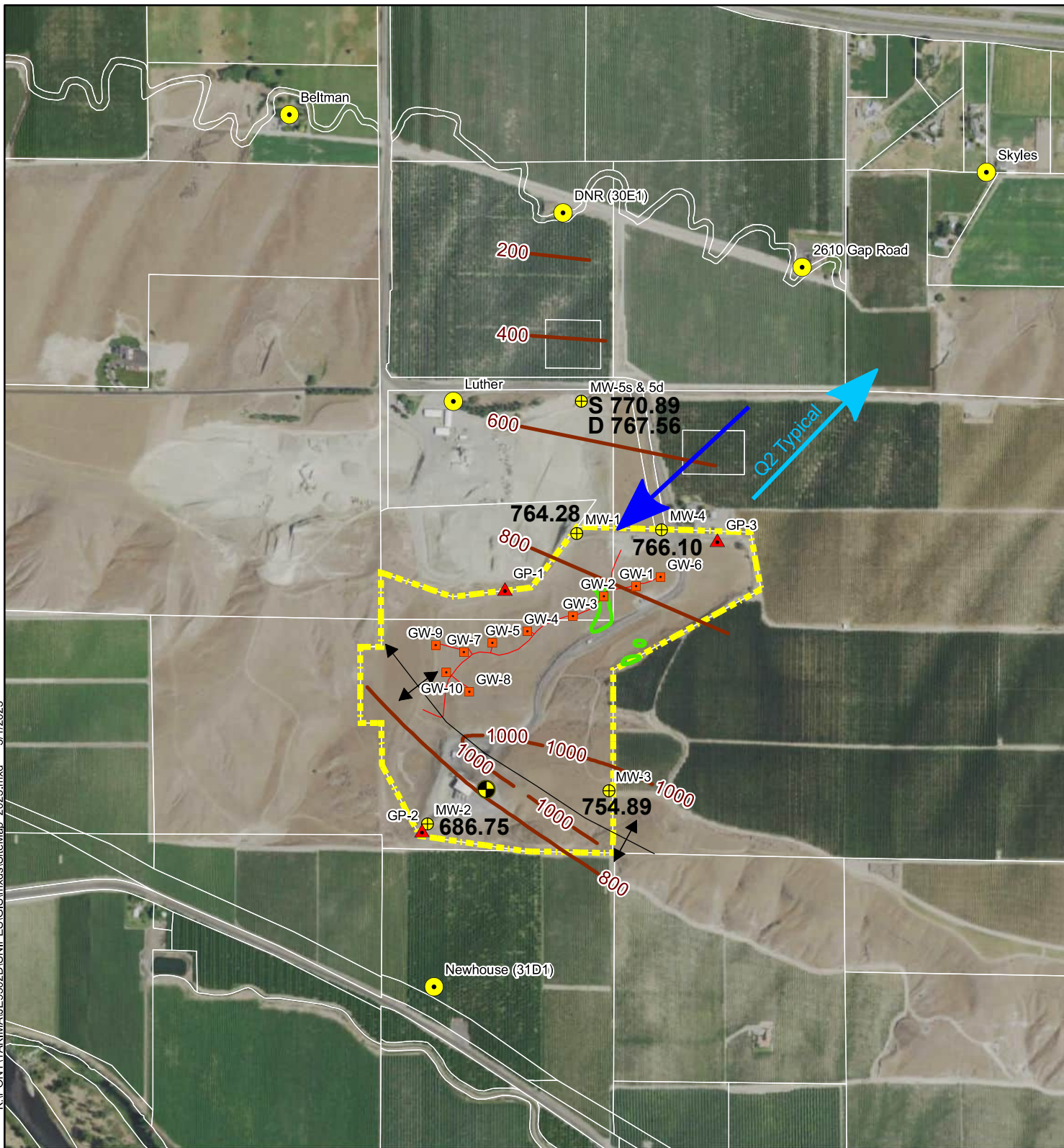


Figure 4-2.
Groundwater Flow and
Structural Contour Map
2023 Q2

Snipes Mountain Landfill,
 Yakima County

M
M
 MOTT
 MACDONALD

K:\PONYAK\IMAJE9302\SNIPES\GIS\mxd\SiteMap_2023.mxd 3/1/2023



758.53 Groundwater Elevation and Flow Direction ←

- ⊕ Monitoring Well
- Gas Well
- ▲ Gas Probes & Gas Flair
- Offsite Well
- ⊗ Onsite Supply Well
- Elevation contour on top of Tem Geologic Unit; Dashed where removed.
- Gas Extraction Piping
- - - County Property Boundary
- Former Seepage Ponds (Approximate)

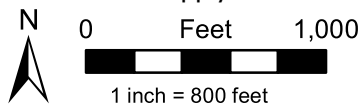


Figure 4-3.
Groundwater Flow and
Structural Contour Map
2023 Q4

Snipes Mountain Landfill,
 Yakima County

M
M
 MOTT
 MACDONALD

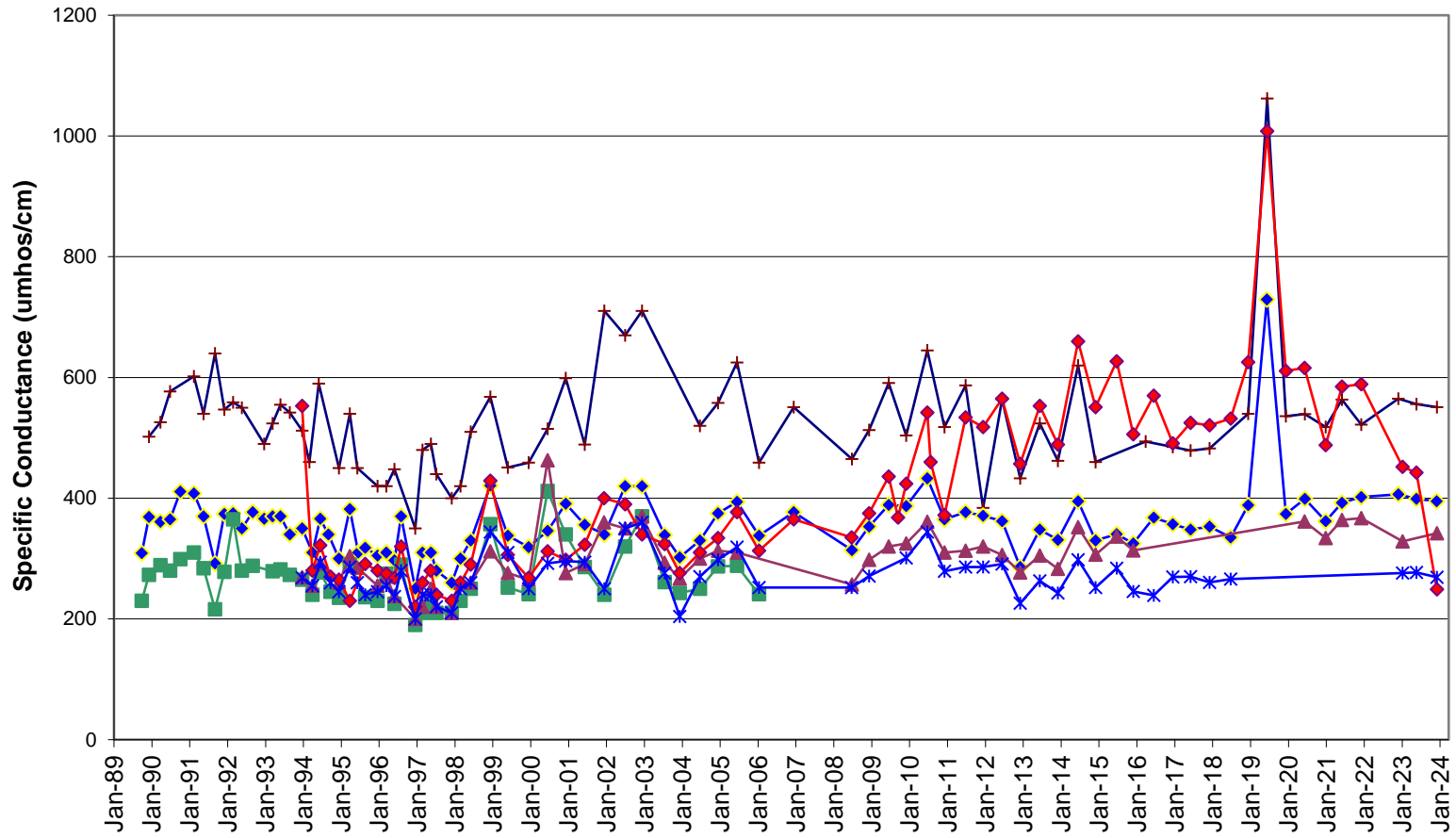


Figure 5-1. Specific Conductance Time Series Plot
 Closed Snipes Mountain Landfill (LVTS)

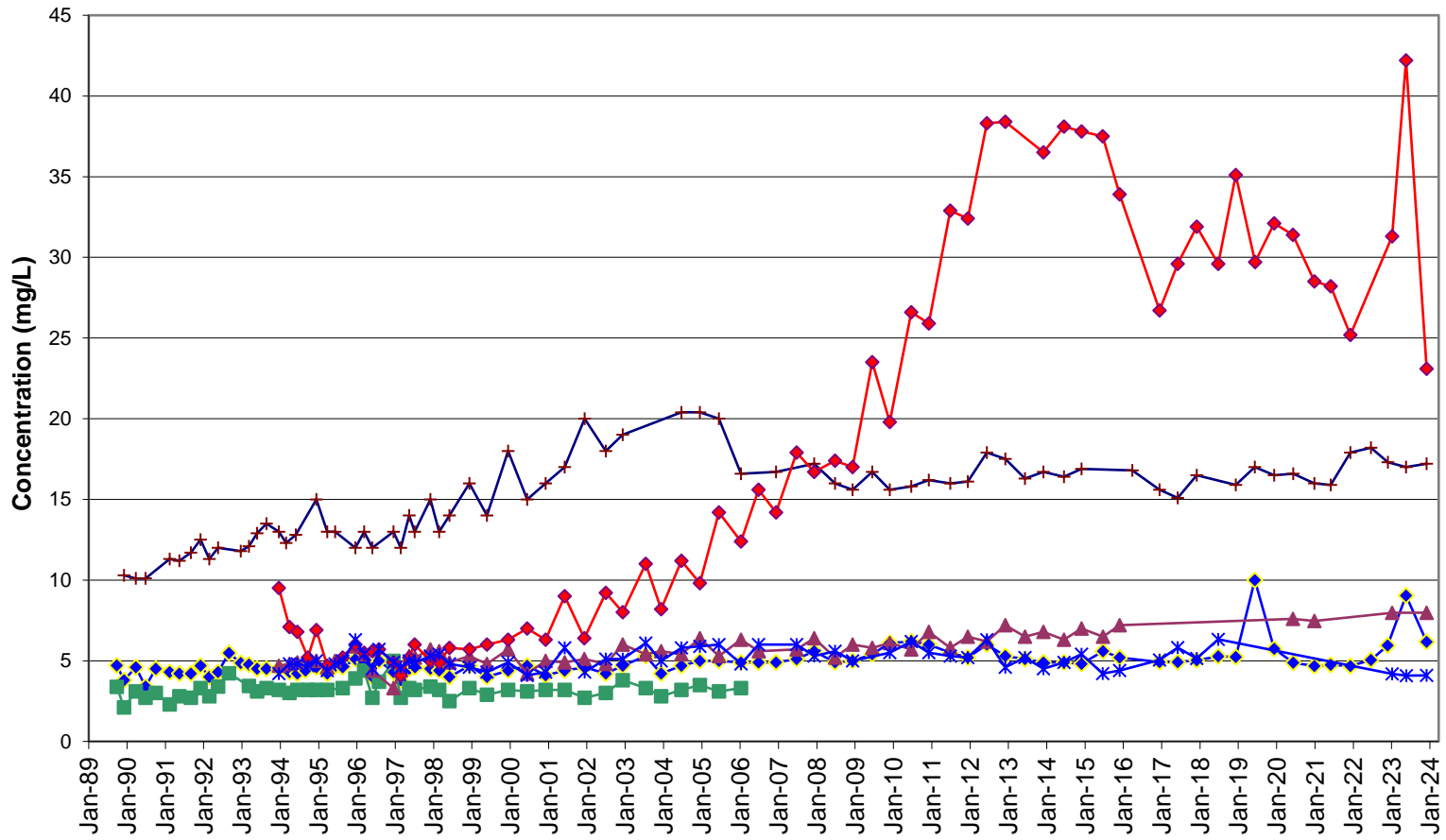


Figure 5-2. Chloride Time Series Plot
Closed Snipes Mountain Landfill (LVTS)

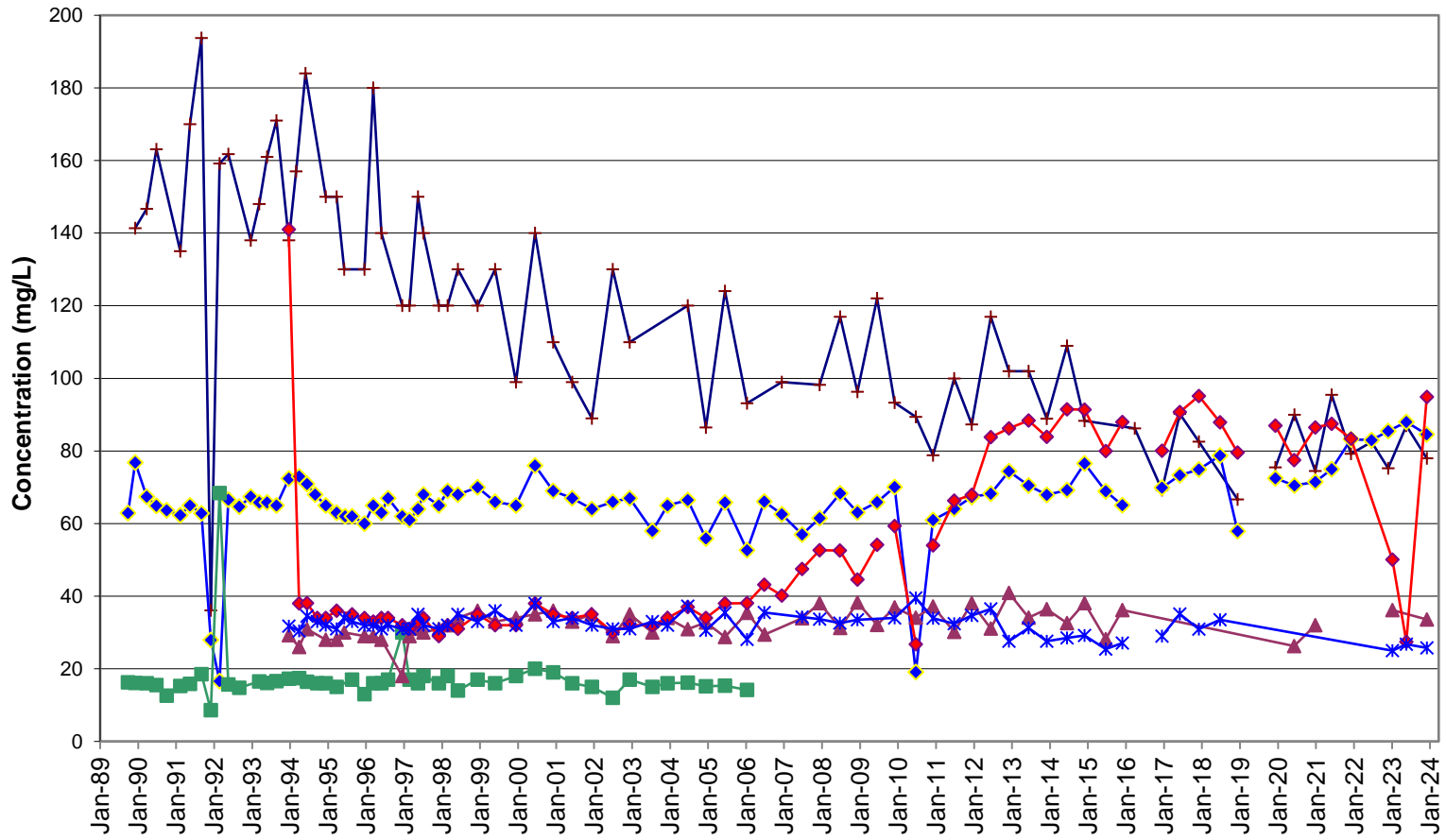
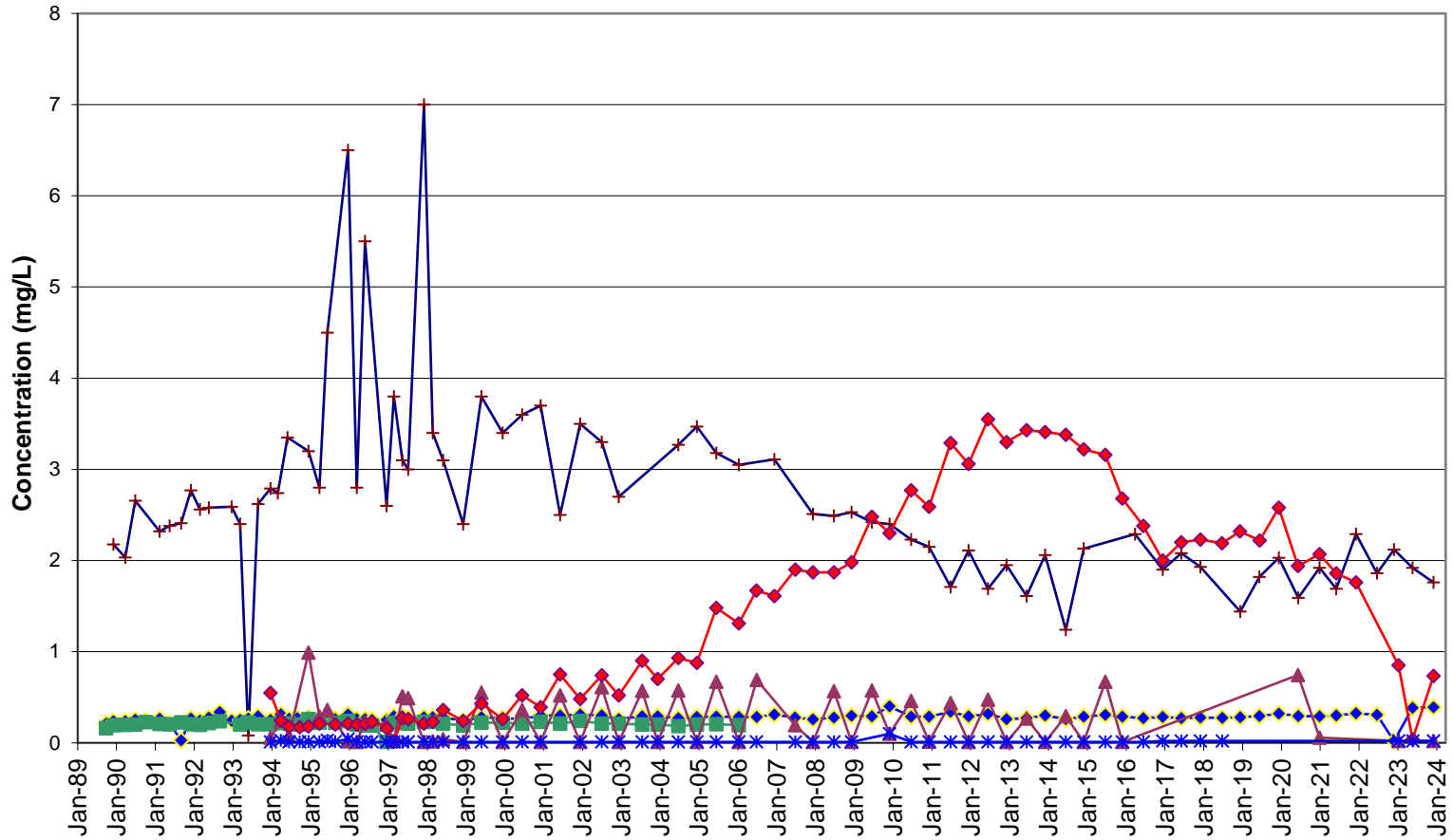


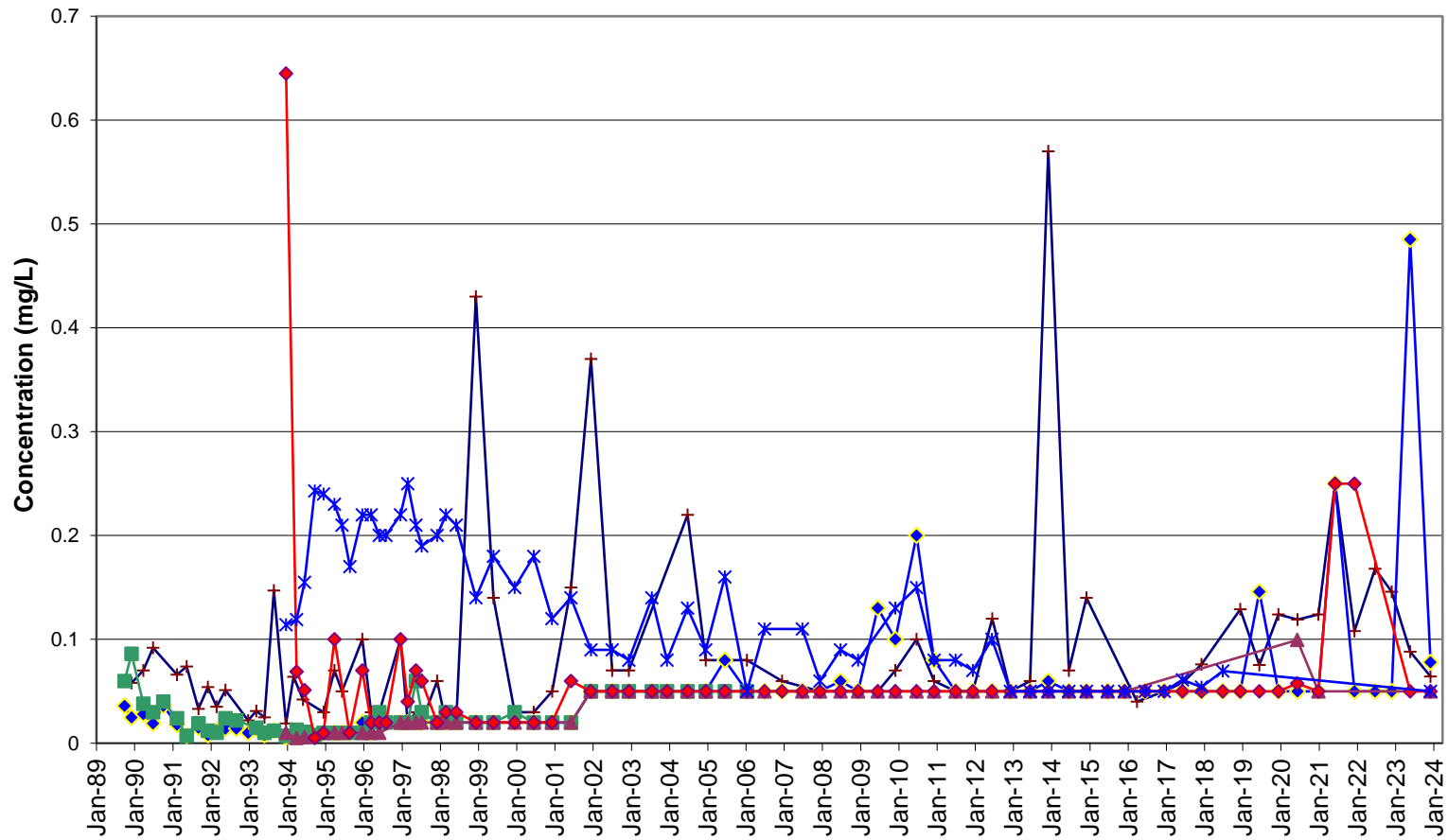
Figure 5-3. Sulfate Time Series Plot
Closed Snipes Mountain Landfill (LVTS)



—+— SMW-1 —♦— SMW-2 —■— SMW-3
 —▲— SMW-4 —◆— SMW-5S —*— SMW-5D

Non-detects plotted at reporting limit

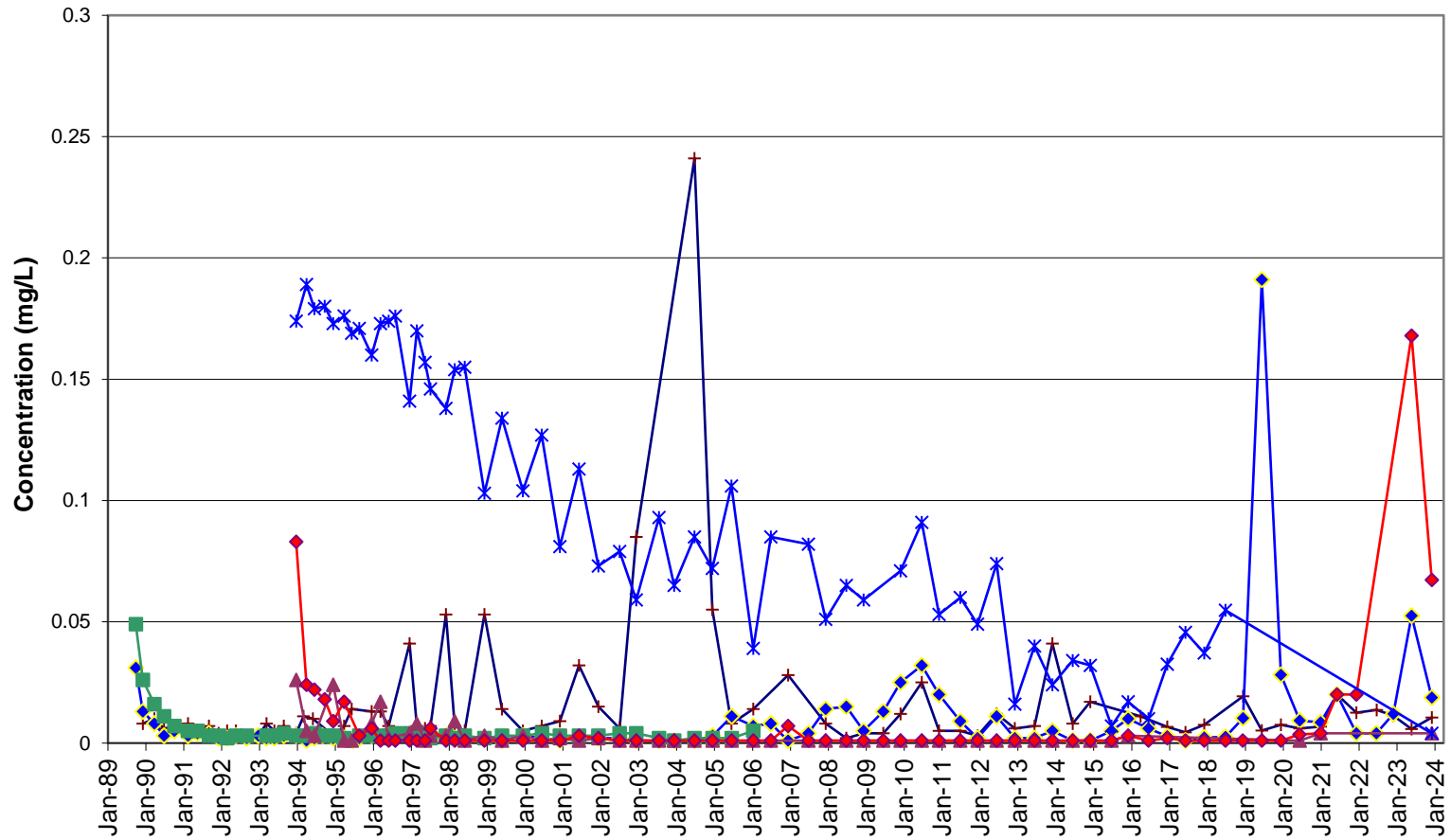
Figure 5-4. Nitrate Time Series Plot
Closed Snipes Mountain Landfill (LVTS)



—+— SMW-1 —●— SMW-2 —■— SMW-3
 —▲— SMW-4 —◆— SMW-5S —*— SMW-5D

Non-detects plotted at reporting limit

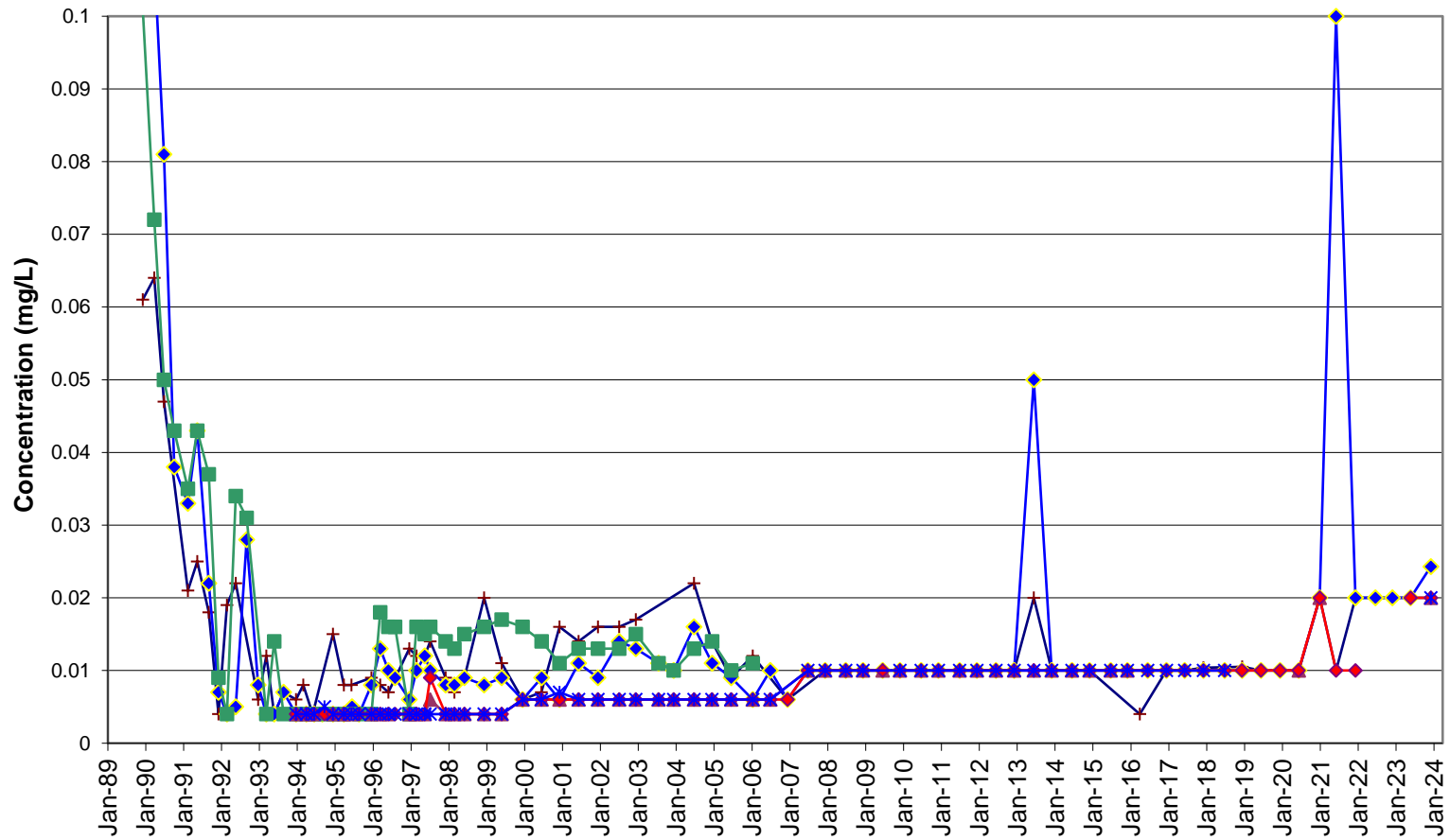
Figure 5-5. Dissolved Iron Time Series Plot
Closed Snipes Mountain Landfill (LVTS)



+ SMW-1 * SMW-2 ■ SMW-3
 ▲ SMW-4 ◆ SMW-5S * SMW-5D

Non-detects plotted at reporting limit

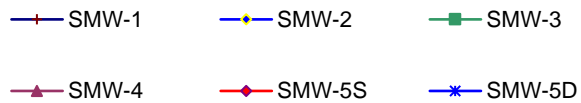
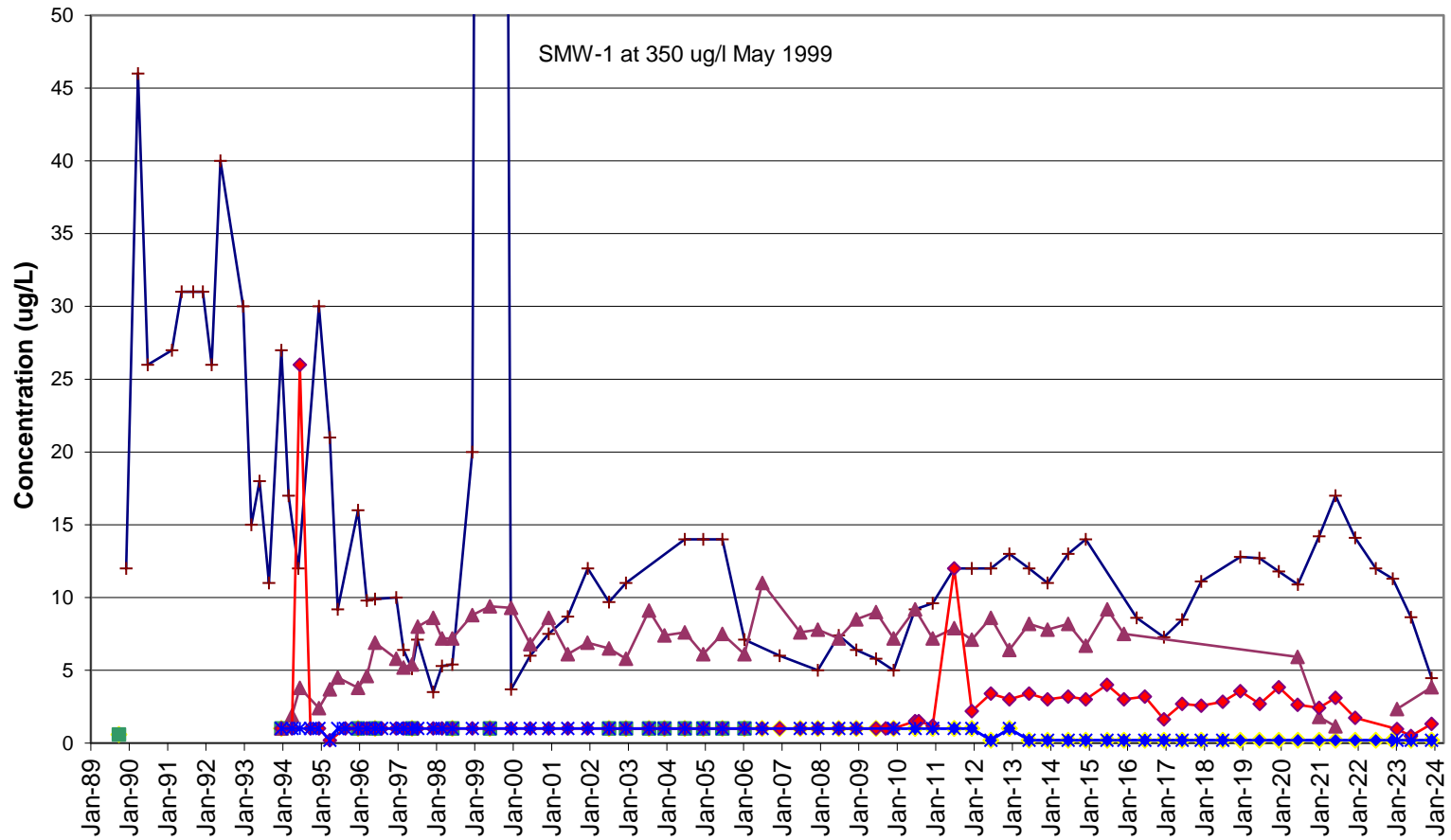
Figure 5-6. Dissolved Manganese Time Series Plot
Closed Snipes Mountain Landfill (LVTS)



+ SMW-1 ♦ SMW-2 ■ SMW-3
 ▲ SMW-4 ◆ SMW-5S * SMW-5D

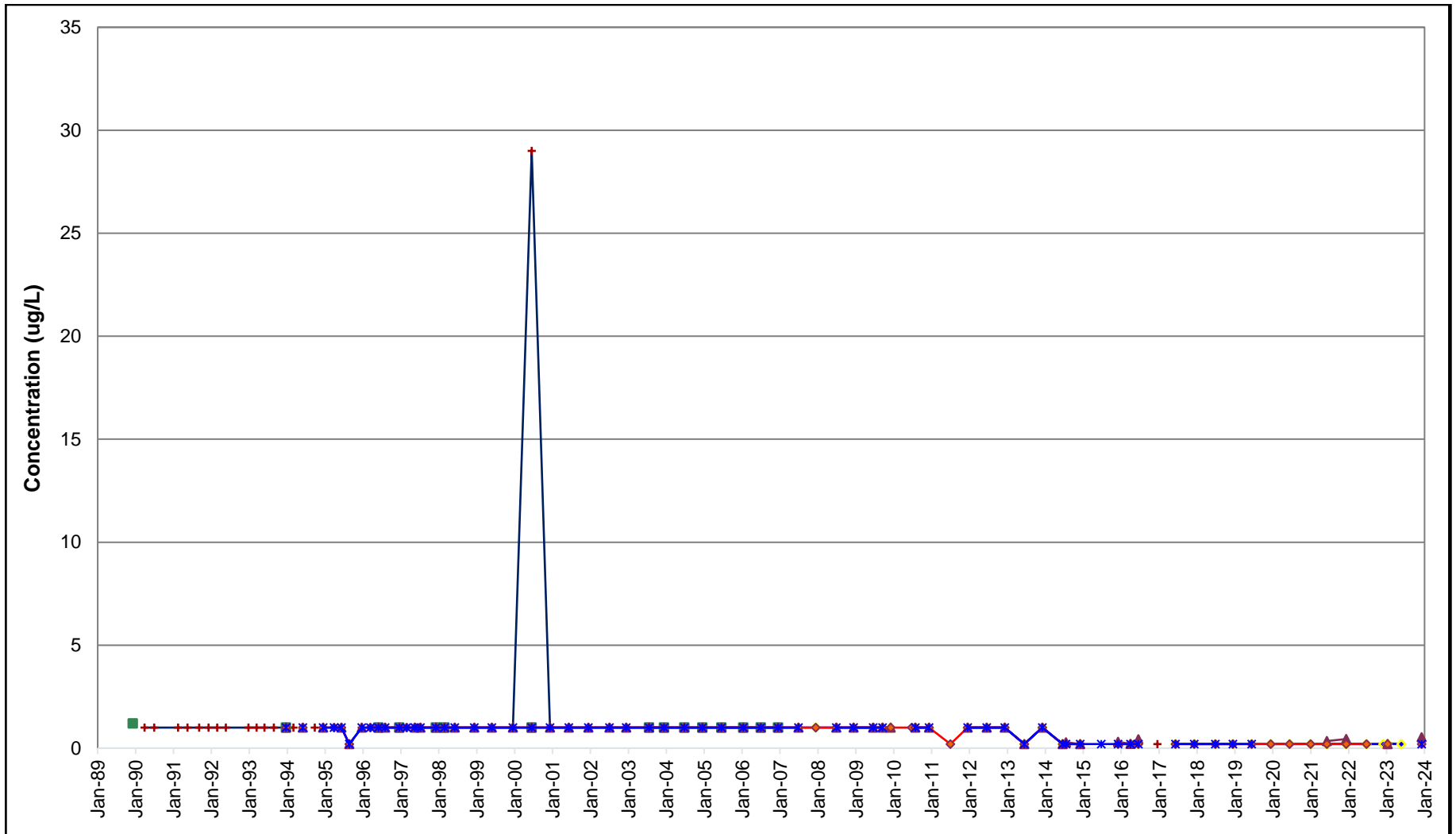
Non-detects plotted at reporting limit

Figure 5-7. Dissolved Zinc Time Series Plot
Closed Snipes Mountain Landfill (LVTS)



Non-detects plotted at reporting limit

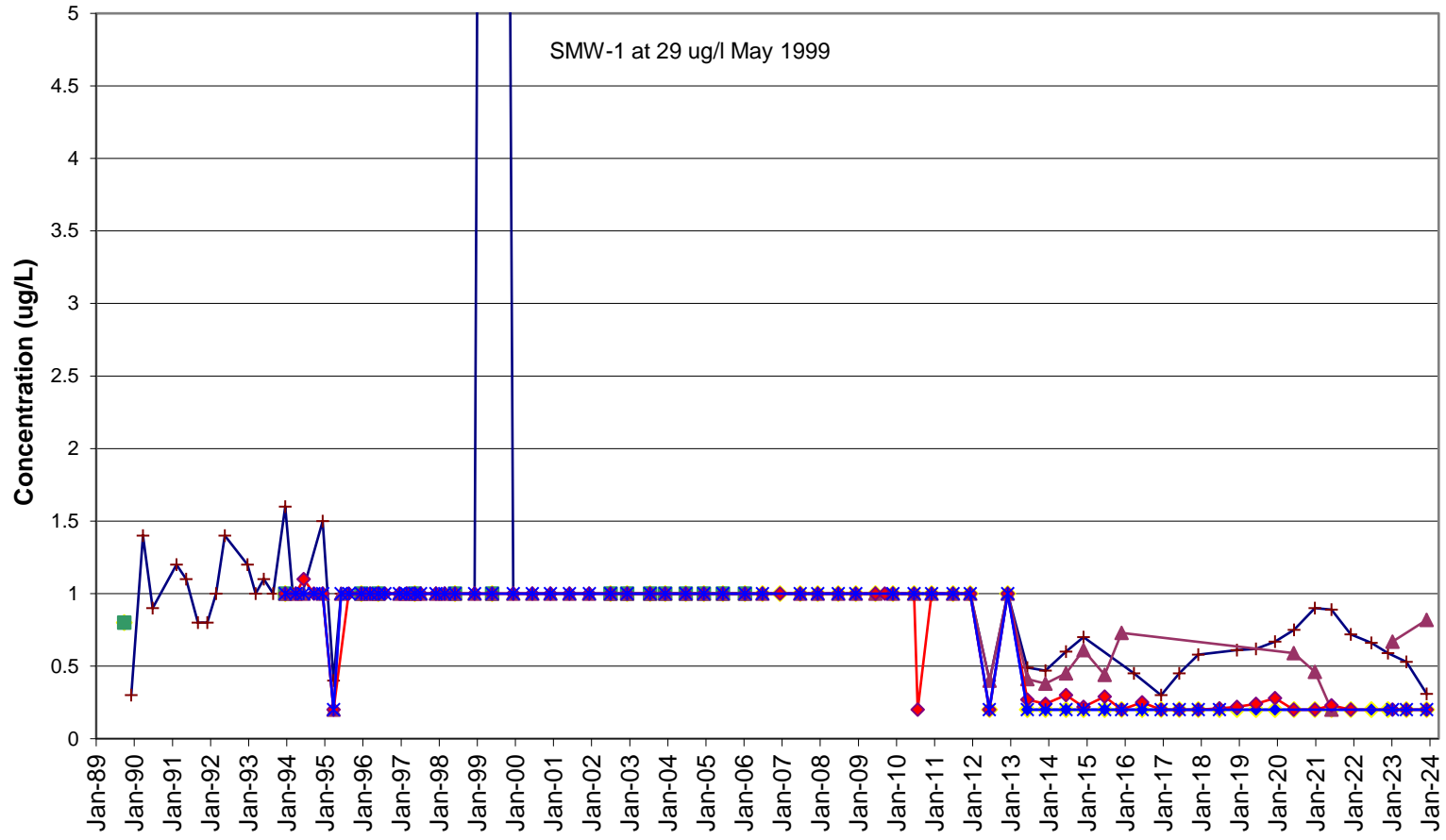
Figure 5-8. Tetrachloroethene (PCE) Time Series Plot, Onsite Monitoring Wells
 Closed Snipes Mountain Landfill (LVTs)



SMW-1 (red line with '+' markers)
 SMW-2 (blue line with 'o' markers)
 SMW-3 (green line with '■' markers)
 SMW-4 (purple line with '▲' markers)
 SMW-5S (orange line with '◆' markers)
 SMW-5D (blue line with '*' markers)

Figure 5-9. cis-1,2-dichloroethane (DCE) Time Series Plot

Closed Snipes Mountain Landfill (LVTS)

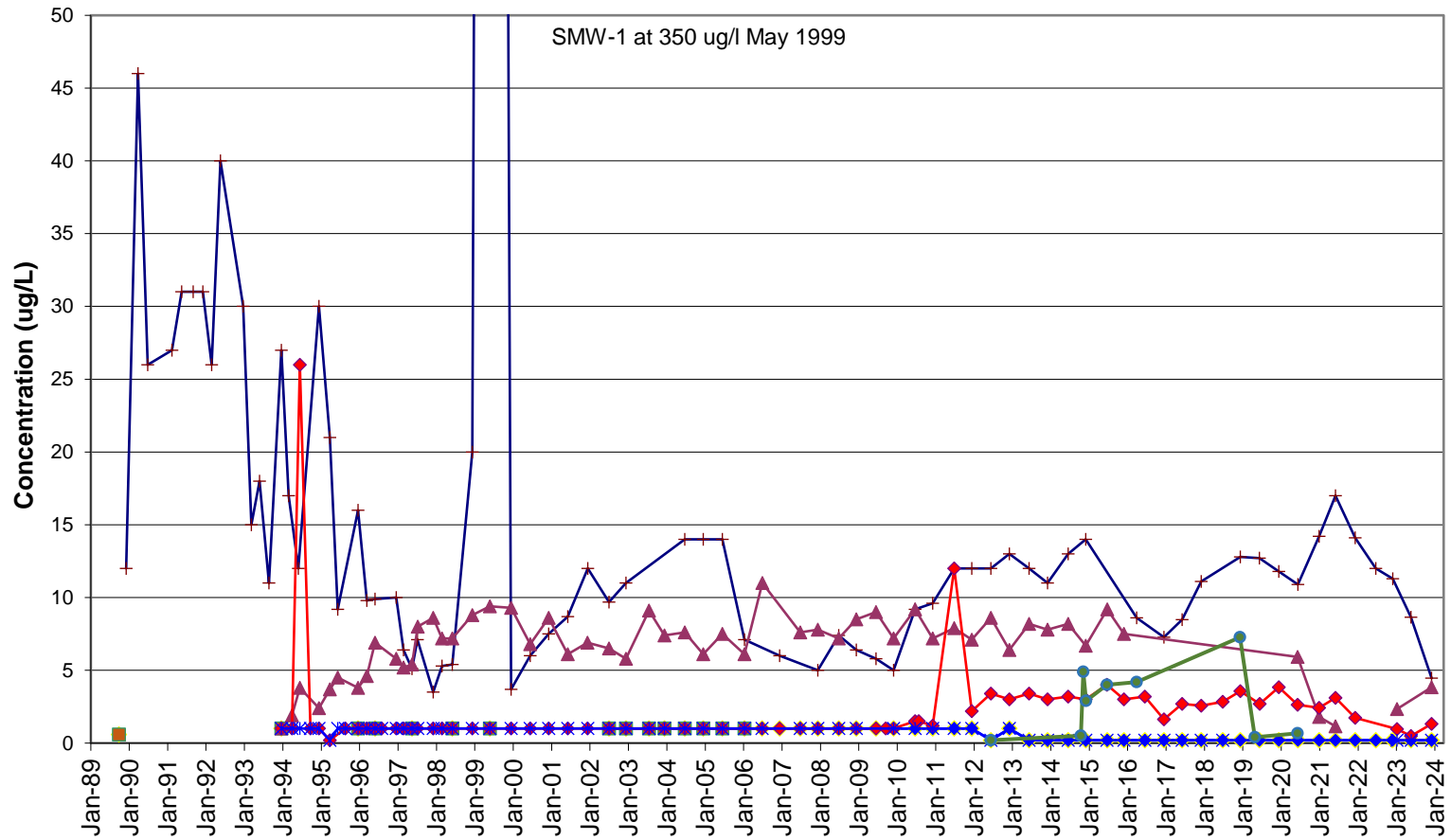


- +— SMW-1 —●— SMW-2 —■— SMW-3
- ▲— SMW-4 —◆— SMW-5S —*— SMW-5D

Non-detects plotted at reporting limit

Figure 5-10. Trichloroethene (TCE) Time Series Plot
 Closed Snipes Mountain Landfill (LVTS)





- +— SMW-1
- SMW-2
- SMW-3
- ▲— SMW-4
- ◆— SMW-5S
- *— SMW-5D
- O.L. Luther, Co

Non-detects plotted at reporting limit

Figure 5-11. Tetrachloroethene (PCE) Time Series Plot, Onsite Monitoring Wells and O.L. Luther, Co. Closed Snipes Mountain Landfill (LVTS)

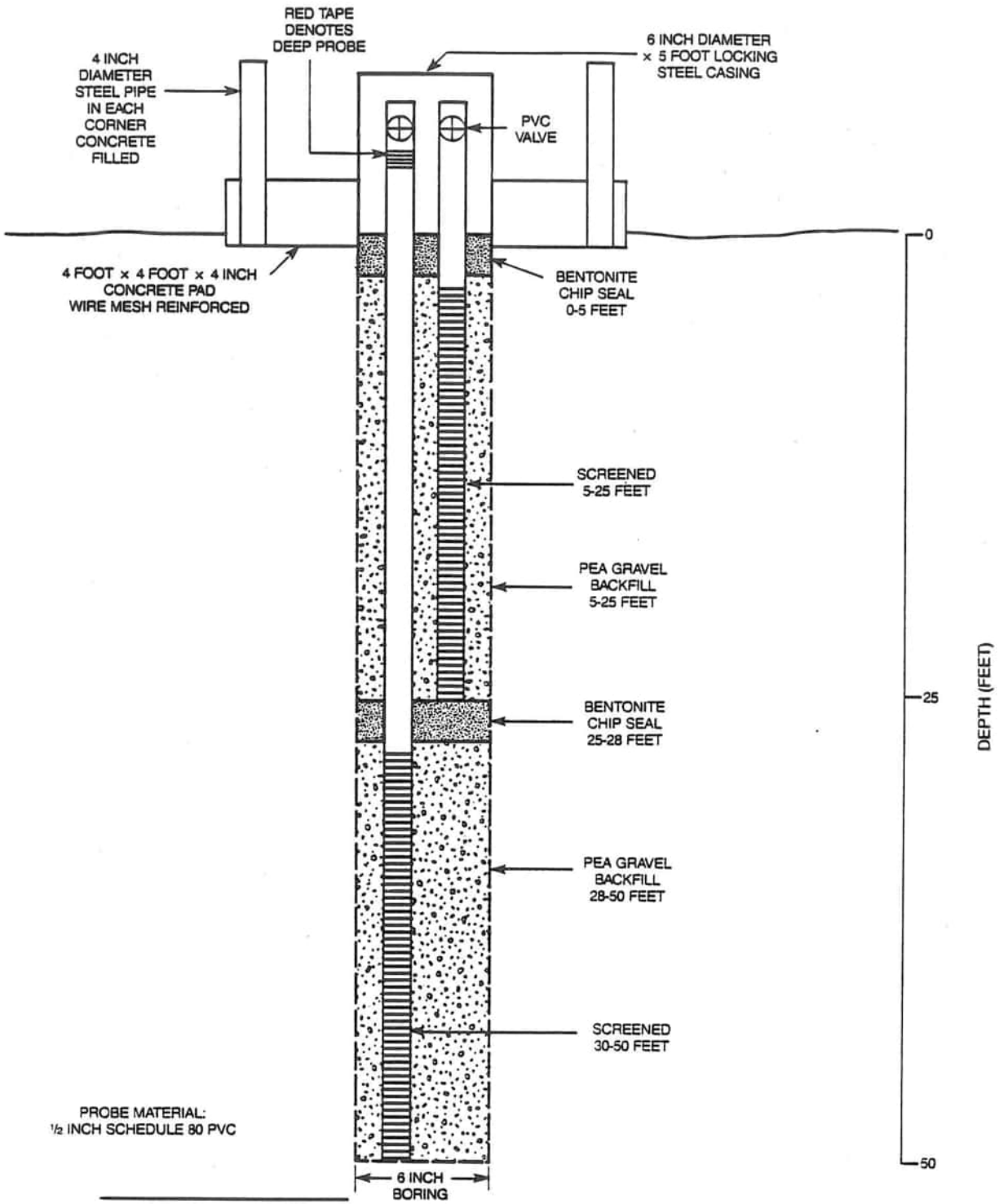
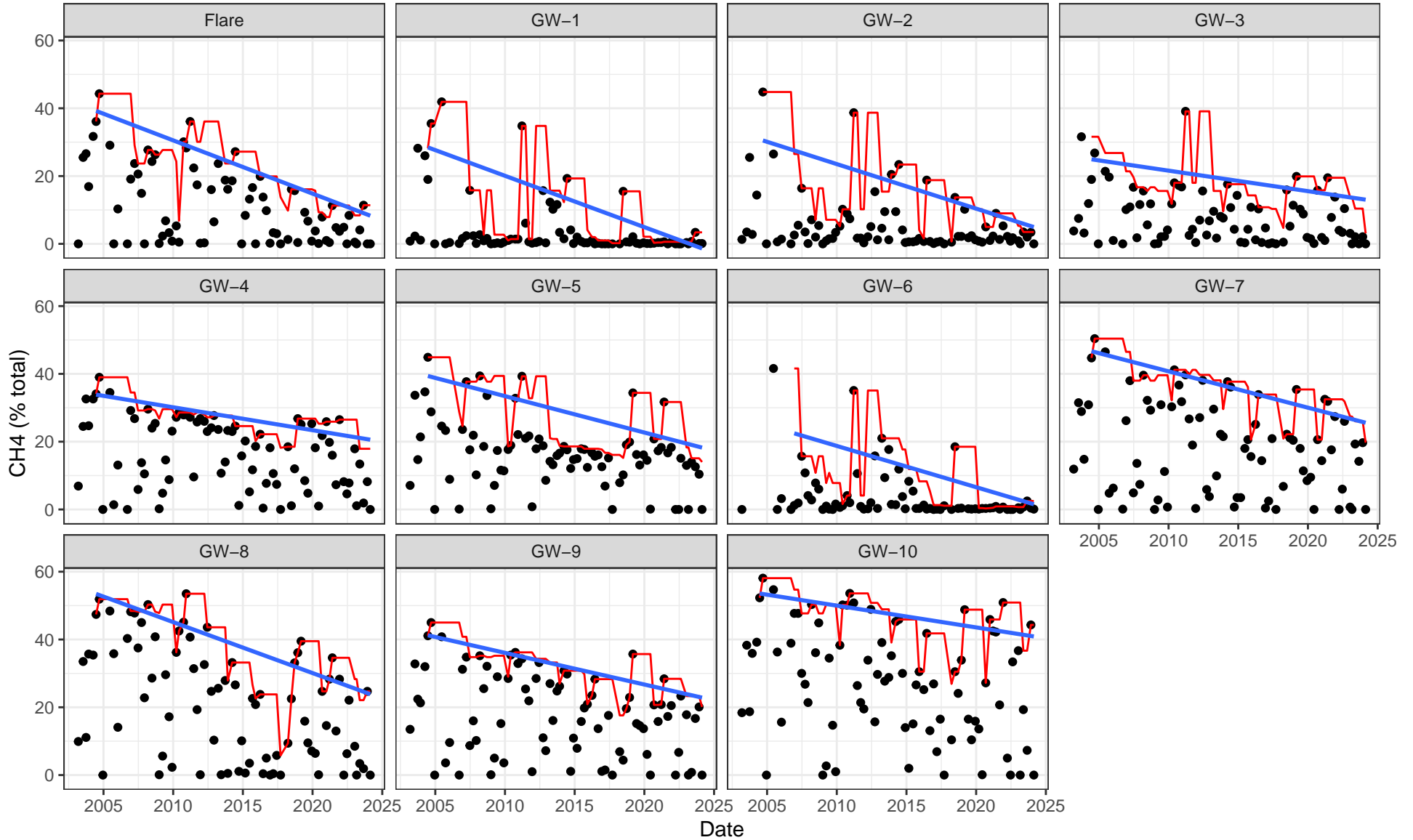


Figure 5-12
Generalized Gas
Probe Design

CH4 (% total)



Red line is a 6 sample rolling maximum
 Blue line is the linear trend of the rolling maximum

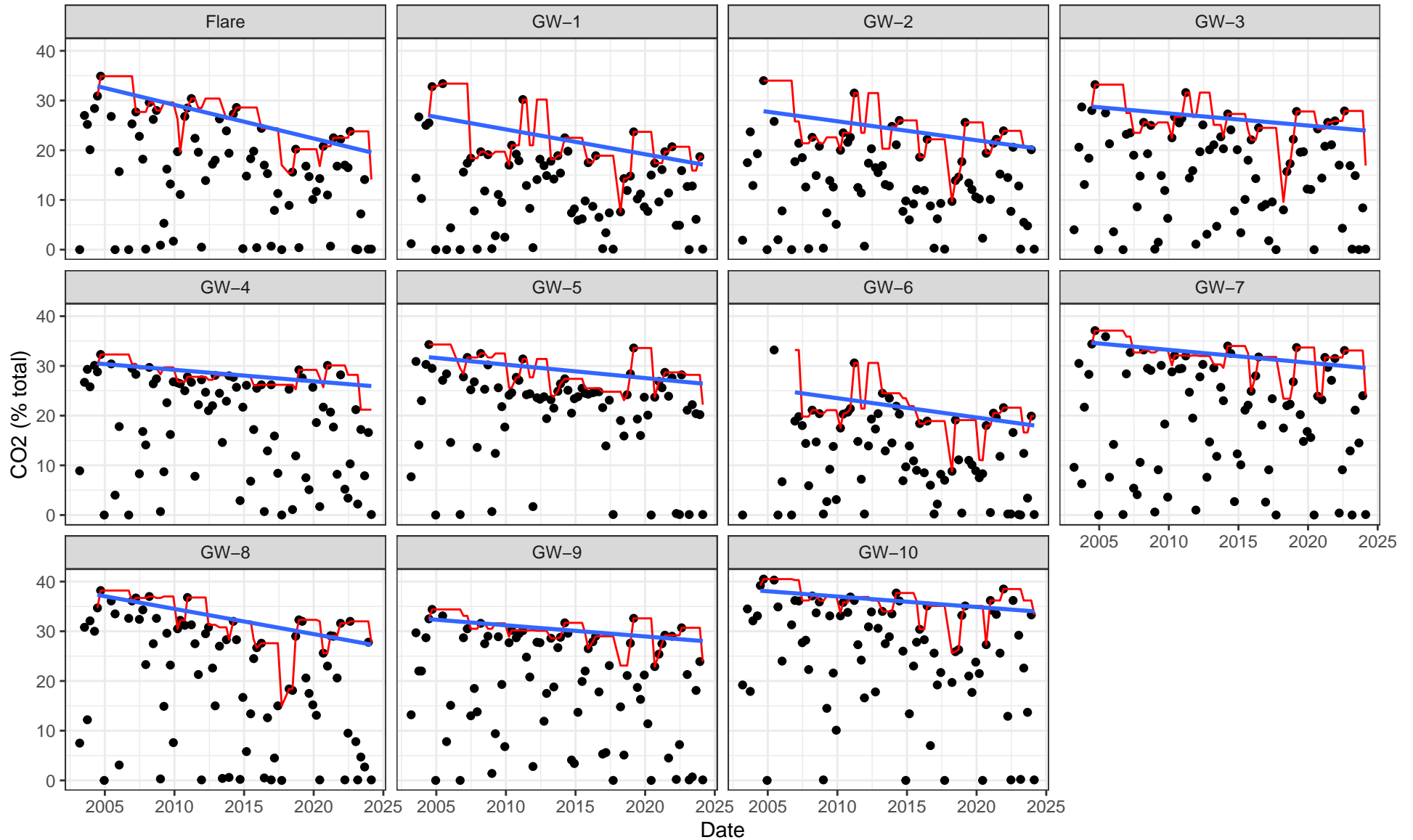
Prepared 05/28/2024

Figure 6-1a. Passive Gas Collection System, Methane Concentrations

Closed Snipes Mountain Landfill
 Yakima County



CO2 (% total)



Red line is a 6 sample rolling maximum
 Blue line is the linear trend of the rolling maximum

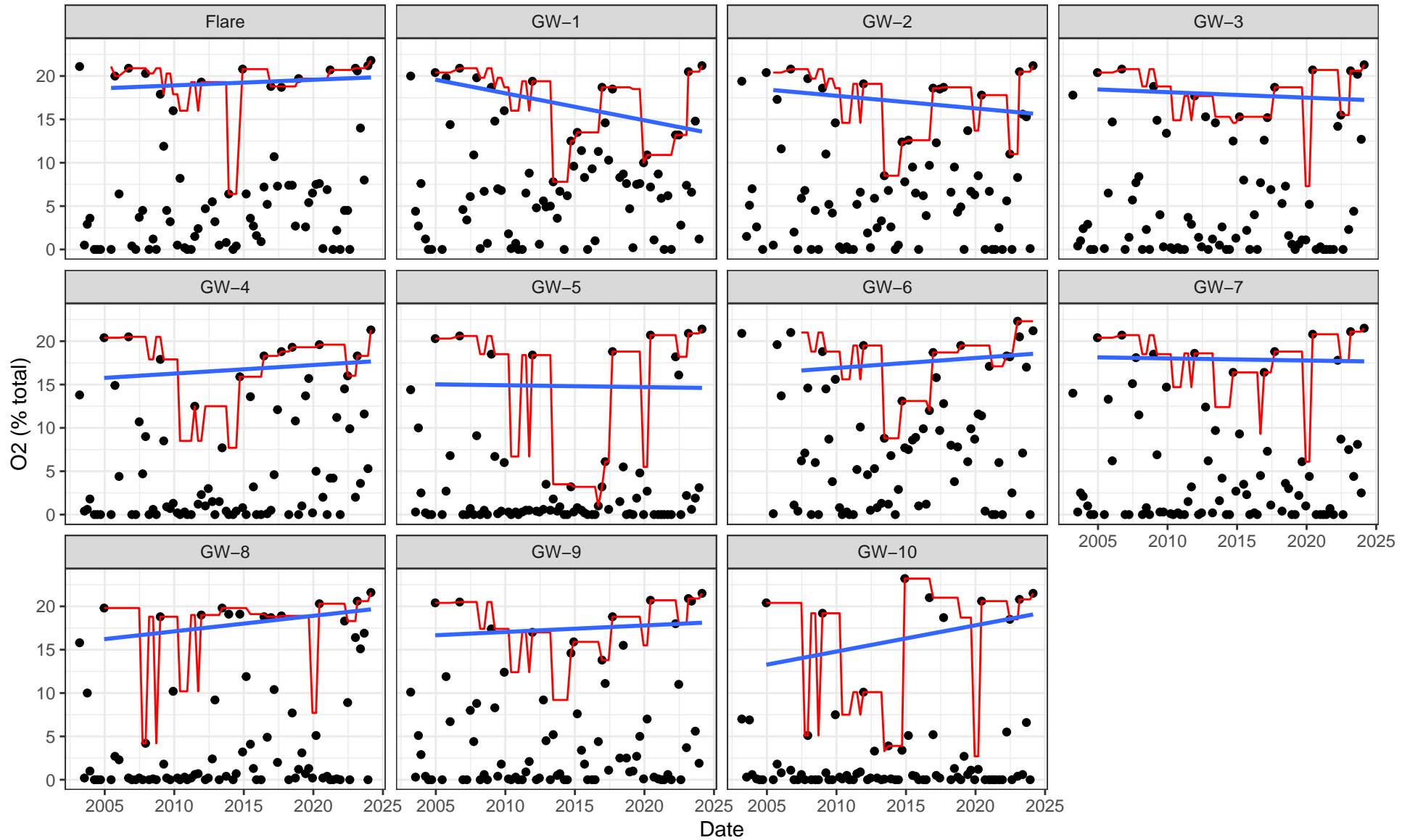
Prepared 05/28/2024

Figure 6-1b. Passive Gas Collection System, Carbon Dioxide Concentrations

Closed Snipes Mountain Landfill
 Yakima County



O2 (% total)

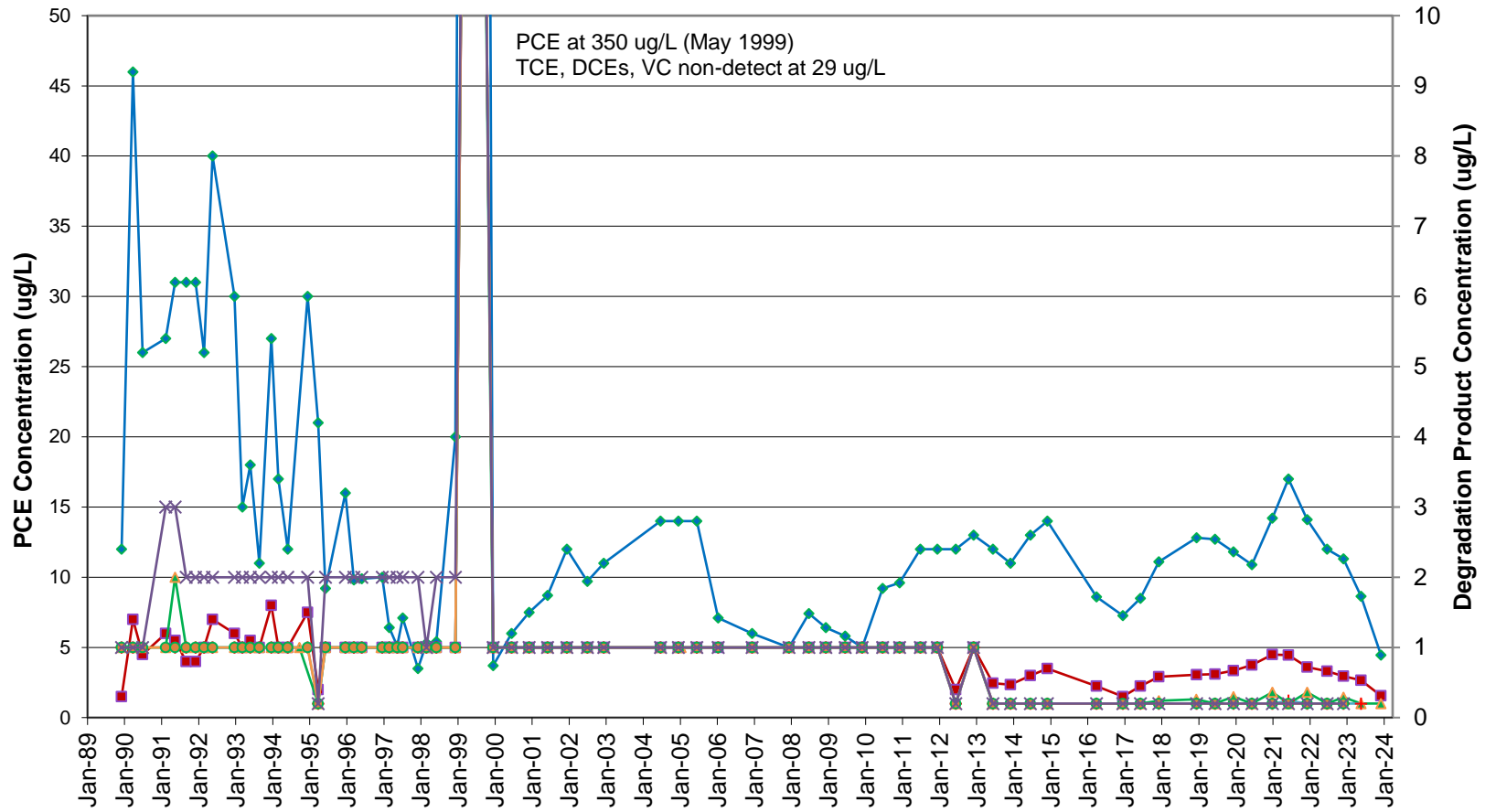


Red line is a 8 sample rolling maximum
 Blue line is the linear trend of the rolling maximum

Figure 6-1c. Passive Gas Collection System, Oxygen Concentrations

Closed Snipes Mountain Landfill
 Yakima County





- ◆ Tetrachloroethene (PCE)
- ▲ 1,1-Dichloroethene
- trans-1,2-Dichloroethene
- Trichloroethene (TCE)
- ◆ cis-1,2-Dichloroethene
- × Vinyl Chloride (VC)

Non-detects plotted at reporting limit

Figure 6-2. Tetrachloroethene (PCE) and Degradation Products at SMW-1 Time Series Plot

Closed Snipes Mountain Landfill

A. Groundwater Monitoring Data

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
<u>Field Parameters</u>							
Dissolved oxygen, mg/L							
	2006 Q4	9.5	8.7				5.25
	2009 Q2						3.56
	2011 Q2	8	7.6		2	0.2	4.4
	2011 Q4		6.77		2.3	0.2	3.35
	2012 Q4						
	2013 Q2	3.48	7.05		0.64	0.87	3.36
	2014 Q2	4.11	8.1		1.1	1.1	4.72
	2014 Q4	6.96	8.88		0.84	0.5	4.93
	2015 Q2		7.66		2.37	0.15	4.49
	2015 Q4		9.23		0.6	2.43	5.29
	2016 Q2		8.51			0.8	3.43
	2017 Q2	6.53					
	2018 Q2		6.92			1.2	3.84
	2019 Q2						
	2019 Q4	6.25					
	2020 Q2	5.88			2.54		5.29
	2021 Q4	5.8	8.17		7.42		4.12
	2023 Q2	5.5	7.95			2.96	
	2023 Q4	5.21	4.59		1.21	1.35	2.89
Oxidation Reduction Potential, mV							
	2006 Q2		-76.3	-61.7	-24.8	-50.3	-57
	2006 Q4	-38.4	-13.1				-95.2
	2007 Q2		-70.3		-45	-39.4	-44.5
	2007 Q4	-52	-68		-44	-58	-61
	2008 Q2	10.7	63.8		17.8	67.6	60.3
	2008 Q4	132	119.1		133.9	-134.5	29
	2009 Q2	31.6	41.3		60.6		13.2
	2009 Q4	-185	-176		-221	-249	-250
	2010 Q2	-20	20		50	-170	-52
	2010 Q4	1	37		-3	-165	-52
	2011 Q2	36	12		22	-164	-73
	2011 Q4	117	175		121.1	-144	-65
	2012 Q2	-42	-60		-64	-164	-82
	2012 Q4	-68	-8.9		-158	-251	-115.4
	2013 Q2	168.1	183.1		131.3	-144.1	-18.3
	2013 Q4						
	2014 Q2	39	37.3		34.8	-57.9	33.7
	2014 Q4	36.9	32.2		-4.5	-56.6	-5.8
	2015 Q2		-19.7		-45.2	-102.3	-14.4
	2015 Q4		33.3		17.8	1.6	12.9
	2016 Q2		71.4			46.3	49.9
	2017 Q2	93	101			-87	49
	2017 Q4	-68.7	-86.1			-62.7	-60.6
	2018 Q2		44.4			-12.7	-13.1
	2018 Q4	-62.2	-72.4				-63.5
	2019 Q2	95.6	139				-4.9
	2019 Q4	-84.1	-111.8				-97.6
	2020 Q2	116.3	131.6		107.7		84.8
	2021 Q4	-90	37		41.6		17.3
	2023 Q2	36	-3.9			95.3	

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
pH, Field, std. units	2023 Q4	53.1	68.5		71.8	94	62.8
	1989 Q3		7.53	7.57			
	1989 Q4	7.47	7.63	7.91			
	1990 Q1	7.34	7.24	7.36			
	1990 Q2	7.3	7.51	7.79			
	1990 Q4		7.4	7.6			
	1991 Q1	7	7.1	7.2			
	1991 Q2	7.4	7.5	7.6			
	1991 Q3	6.87	7.75	7.78			
	1991 Q4	7.96	7.96	8.02			
	1992 Q1	7.44	6.75	7.64			
	1992 Q2	6.95	7.44	7.57			
	1992 Q3		7.4				
	1992 Q4	7.35	7.31				
	1993 Q1	7.36	7.29	7.37			
	1993 Q2	7.42	7.36	7.44			
	1993 Q3	6.59	6.59	7.4			
	1993 Q4	7.18	7.2	7.32	7.35	6.52	8.2
	1994 Q1	7.9	8	8.01	8.16	7.97	8.15
	1994 Q2	6.4	6.5	6.4	7.3	7	7.55
	1994 Q3		7.67	7.69		7.93	
	1994 Q4	7.3	7.8	7.7	7.7	7.8	7.5
	1995 Q1	6.6	6.7	6.8	6.8	6.6	7.05
	1995 Q2	7.3	6.5		7	6.8	
	1995 Q3		7.6	7.7		7.7	8.2
	1995 Q4	7.6	7.9	7.9	7.8	7.7	8.2
	1996 Q1	6.9	7.6	7.7	7.7	7.3	7.4
	1996 Q2	6.9	7	7	6.9	6.9	7.3
	1996 Q3		7.6	7.6		7.7	8.1
	1996 Q4	7.12	7.18	7.15	7.08	7.05	7.09
	1997 Q1	6.9	7.12	7.11	7.06	7.18	7.07
	1997 Q2	6.84	7.02	7.32	7.19	7.28	7.02
	1997 Q3	6.87	7.04	7.24	7.16	7.13	7.01
	1997 Q4	6.66	7.05	7.08	6.98	6.86	6.47
	1998 Q1	7.4	6.67	7.4	7.32	6.36	7.15
	1998 Q2	7.67	7.59	7.66	7.51	7.56	7.98
	1998 Q4	7.73	7.78	7.94	7.48	7.76	8.08
	1999 Q2	7.2	7.3	7.5	7.9	7.9	7.9
	1999Q4.3	7.9	7.74	7.83	7.76	7.85	8.1
	2000 Q2.3	7.5	7.85	7.91	7.96	7.79	8.19
2000 Q4.3	8.26	7.89	8.08	8.01	8.06	8.22	
2001 Q2	7.73	7.79	7.83	7.62	7.7	7.94	
2001 Q4	8.33	8.75	9.58	8.68	9.44	8.84	
2002 Q2	9.06	9.29	9.63	9.2	9.1	9.3	
2002 Q4	7.8	7.93	7.02	7.05	7.87	7.65	
2003 Q2		7.28	7.31	7.04	7.35	7.59	
2003 Q4		7.15	7.15	7.16	7.1	7.1	
2004 Q2	7.01	7.45	7.64	7.61	7.57	7.64	
2004 Q4	7.26	8.05	8.06	7.78	7.98	7.92	
2005 Q2	6.88	7.45	7.35	7.08	7.56	7.74	
2005 Q4	8.42	8.46	7.97		7.82	7.92	
2006 Q2		8.22	7.94	7.28	7.73	7.83	

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q4	7.68	8.18				7.8
	2007 Q2		7.89		7.3	7.2	7.4
	2007 Q4	7.63	7.97		7.5	7.8	7.91
	2008 Q2	5.56	5.87		6.38	6.01	5.75
	2008 Q4	7.48	7.52		7.24	7.2	7.4
	2009 Q2	7.76	8.05		7.82		7.9
	2009 Q3						7.61
	2009 Q4	7.82	8.31		7.94	8.2	8.29
	2010 Q2	7.06	7.37		7.3	7.63	7.67
	2010 Q4	7.67	8.09		7.52	7.68	7.72
	2010-Q2.5						7.63
	2011 Q2	7.2	8		7.7	7.7	7.8
	2011 Q4	7.34	8.27		7.79	7.76	7.75
	2012 Q2	7.37	8.11		7.81	7.84	7.91
	2012 Q4	7.87	7.99		7.67	7.94	7.9
	2013 Q2	7.27	7.34		7.38	7.5	7.53
	2013 Q4	7.91	8.19		7.51	7.91	7.81
	2014 Q2	7.03	7.56		7.55	7.7	7.74
	2014 Q2.5					7.76	
	2014 Q2.6					7.79	
	2014 Q4	7.79	8.13		7.49	7.79	7.81
	2014 Q4.2						
	2015 Q2		6.88		7.01	7.24	7.24
	2015 Q4		7.93		7.49	7.84	7.66
	2016 Q1	7.74					
	2016 Q2		7.79			7.83	7.72
	2016 Q4	7.87	8.17			7.96	7.87
	2017 Q2	8.06	8.12			8	7.87
	2017 Q4	7.95	8.2			7.79	7.74
	2018 Q2		7.62			7.64	7.63
	2018 Q4	7.9	8.07				7.94
	2019 Q2	7.57	7.35				7.95
	2019 Q4	9.88	8.45				7.95
	2020 Q2	7.52	7.61		7.4		7.5
	2020 Q4	7.54	7.79		7.72		7.62
	2021 Q2	7.7	7.83		6.71		7.66
	2021 Q4	7.33	7.7		7.61		7.42
	2022 Q4	7.11	7.45		7.47	7.59	6.48
	2023 Q2	7.24	7.47			7.94	6.5
	2023 Q4	7.34	7.02		7.25	7.45	6.14
pH, Lab, std. units							
	1996 Q3		6	6.5		6.5	7
	1997 Q1						
	2001 Q2						
	2001 Q4						
Specific Conductance @ 25C, Field, umhos/cm							
	1989 Q3		309	230			
	1989 Q4	502	369	273			
	1990 Q1	526	361	289			
	1990 Q2	577	365	280			
	1990 Q4		411	299			
	1991 Q1	602	408	310			
	1991 Q2	540	370	284			

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1991 Q3	640	292	216			
	1991 Q4	547	374	278			
	1992 Q1	559	375	365			
	1992 Q2	550	350	280			
	1992 Q3		377	288			
	1992 Q4	490	366				
	1993 Q1	524	370	279			
	1993 Q2	555	370	282			
	1993 Q3	542	340	273			
	1993 Q4	512	350	265	269	268	553
	1994 Q1	460	310	240	255	255	280
	1994 Q2	590	366	277	292	294	322
	1994 Q3		340	245		260	270
	1994 Q4	450	300	235	260	245	265
	1995 Q1	540	382	290	304	286	230
	1995 Q2	450	310		285	260	
	1995 Q3		318	236		240	291
	1995 Q4	420	305	230	255	245	280
	1996 Q1	420	310	275	270	255	275
	1996 Q2	448	297	225	238	237	268
	1996 Q3		389	303		316	350
	1996 Q4	350	250	190	200	200	220
	1997 Q1	480	310	210	220	240	260
	1997 Q2	490	310	230	250	240	280
	1997 Q3	440	280	210	220	220	240
	1997 Q4	400	260	210	210	210	230
	1998 Q1	420	300	230	260	250	260
	1998 Q2	510	330	250	260	260	290
	1998 Q4	568	421	357	312	344	429
	1999 Q2	451	338	252	276	310	306
	1999Q4.3	459	319	241	265	250	268
	2000 Q2.3	515	346	412	463	292	312
	2000 Q4.3	599	391	340	276	296	298
	2001 Q2	489	356	286	291	294	323
	2001 Q4	710	340	240	360	250	400
	2002 Q2	670	420	320	350	350	390
	2002 Q4	710	420	370	370	360	340
	2003 Q2		339	261	293	276	324
	2003 Q4		302	243	267	204	276
	2004 Q2	520	330	250	300	270	310
	2004 Q4	558	375	287	313	298	334
	2005 Q2	625	394	288	310	319	377
	2005 Q4	459	338	241		252	313
	2006 Q4	551	377				365
	2008 Q2	465	314		257	252	335
	2008 Q4	513	353		298	271	375
	2009 Q2	591	389		320		436
	2009 Q3						368
	2009 Q4	504	387		325	301	424
	2010 Q2	645	433		361	344	542
	2010 Q4	518	365		310	279	372
	2010-Q2.5						460
	2011 Q2	587	377		313	286	534
	2011 Q4	384	371		320	286	518

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q2	564	362		306	291	565
	2012 Q4	433	286		277	226	457
	2013 Q2	524	348		305	263	553
	2013 Q4	462	331		283	243	489
	2014 Q2	620	395		352	298	660
	2014 Q2.5					245	
	2014 Q2.6					199.8	
	2014 Q4	460.1	330.2		306.6	252	551
	2014 Q4.2						
	2015 Q2		340.7		336.7	284	627
	2015 Q4		325		313.3	245.5	506
	2016 Q1	494					
	2016 Q2		368.1			239.1	569.8
	2016 Q4	485.1	357.2			269.3	490.9
	2017 Q2	479	348			270	525
	2017 Q4	482.3	353.2			260.4	521
	2018 Q2		335			266	532
	2018 Q4	539.9	388.7				625.5
	2019 Q2	1062	729				1008
	2019 Q4	536	374				611
	2020 Q2	539.2	399		361.7		616
	2020 Q4	518.1	362.2		333.9		488.1
	2021 Q2	563.3	392.7		364.2		584.9
	2021 Q4	522	402		367		589
	2022 Q4	564.6	406.6		328.7	276.2	451.9
	2023 Q2	556	399			277	442.3
	2023 Q4	551	395		342	269	249
Temperature, C							
	1989 Q3		18.1	18.1			
	1989 Q4	16.2	17.5	17.5			
	1990 Q1	16.8	17.9	18.1			
	1990 Q2	18	18	19			
	1990 Q4		18.33	18.89			
	1991 Q1	16.67	16.67	16.67			
	1991 Q2	16.67	17.78	17.78			
	1991 Q3	17.22	19.44	20.56			
	1991 Q4	16.1	16.67	17.22			
	1992 Q1	15.5	14.4	16.1			
	1992 Q2	16.67	17.78	17.78			
	1992 Q3		18.33	18.89			
	1992 Q4	16.7	17.22				
	1993 Q1	16.7	17.22	17.78			
	1993 Q2	16.7	17.78	18.33			
	1993 Q3	17.8	18.89	18.89			
	1993 Q4	16.7	16.67	16.67	17.8	18	16.7
	1994 Q1	16.5	17	17.5	19	18	17
	1994 Q2	16.67	17.78	17.78	19	19	17.8
	1994 Q3		19	18.5		19	17.5
	1994 Q4	14	16	15	19	17	16.5
	1995 Q1	16.7	17.2	17.2	20.6	18.9	17.8
	1995 Q3		18.9	17.8		18.9	17.8
	1995 Q4	15	16	16	18.5	18	16.5
	1996 Q1	15.2	16.6	18	20.3	18.2	17.6

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q2	15	15.6	15.6	20	17.8	16.7
	1996 Q3		19.4	20.6		20	20
	1996 Q4	14	13	15	17	15	15
	1997 Q1	57	58	59	64	62	60
	1997 Q2	15.6	16.7	16.7	22.2	17.8	16.7
	1997 Q3	15.6	16	15.6	18.9	17.8	16.7
	1997 Q4	13.3	13.3	14.4	16.1	15.6	15
	1998 Q1	14.5	16	16.5	19	17	17.9
	1998 Q2	16.7	17.2	17.5	21.1	18.3	17.8
	1998 Q4	13.8	14.4	15	18.9	13.4	13.4
	1999 Q2	16.1	16.1	17.8	21.1	16.1	18.9
	1999Q4.3	15.3	16.3	16.4	17.8	15.8	15.8
	2000 Q2.3	21.1	22	21	23.9	22.6	20.9
	2000 Q4.3	10.4	12.7	11.3	12.7	12.4	13.4
	2001 Q2	17.1	18.8	17.4	21.4	22.2	21
	2001 Q4	15.7	19.2	20	17.5	16.5	16.4
	2002 Q2	36.5	65.4	20.8	23.7	21	21.4
	2002 Q4	19.2	15.5	18.5	18.8	18.3	18.6
	2003 Q2		20.4	19.8	22.1	25.7	20.2
	2003 Q4		14.8	15.1	17.1	17.4	15.8
	2004 Q2	14.4	16.1	15.6	17.2	16.7	15.6
	2004 Q4	16.1	16.4	16.8	16.6	17.8	17.2
	2005 Q4	15	15	15		15.6	15.6
	2006 Q2		17.4	17.7	26.4J	18.8	18.4
	2006 Q4	16.49	16.95				17.51
	2007 Q2		17.1		18.8	18.3	17.5
	2007 Q4	17.3	17.5		20.6	18.8	18.2
	2008 Q2	17.2	17.36		20.87	18.61	17.82
	2008 Q4	16.6	16.8		18.8	18.1	17.8
	2009 Q2	16.99	17.66		21.67		17.77
	2009 Q3						17.8
	2009 Q4	16.35	16.8		19.69	18.21	17.58
	2010 Q2	17.3	17.7		21.3	18.9	18.2
	2010 Q4	16.8	17.3		19.2	18.5	17.9
	2010-Q2.5						17.9
	2011 Q2	16.8	17.4		17.9J	18.4	17.7
	2011 Q4	16.25	16.6		19.06	18.02	17.46
	2012 Q2	16.88	17.02		20.34	18.59	17.71
	2012 Q4	16.65	16.82		20.8	18.14	17.7
	2013 Q2	16.8	17.18		20.6	18.61	17.69
	2013 Q4	16.6	16.9		19.5	18.1	17.7
	2014 Q2	16.7	17.2		21.3	18.3	17.8
	2014 Q2.5					20.4	
	2014 Q2.6					18.8	
	2014 Q4	16.4	16.8		19.9	18.1	17.5
	2014 Q4.2						
	2015 Q2		17.4		23	18.6	17.9
	2015 Q4		16.8		20.2	17.9	17.4
	2016 Q1	16.7					
	2016 Q2		17.2			18.6	18.3
	2016 Q4	15.9	16.7			17.9	17.5
	2017 Q2	17.33	17.72			18.65	18.17
	2017 Q4	16.7	17.1			18.2	17.7
	2018 Q2		17.2			18.51	17.83

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2018 Q4	16.5	16.9				17.6
	2019 Q2	17	17.3				17.9
	2019 Q4	16.54	16.9				17.75
	2020 Q2	17	17.4		16.9		17.8
	2020 Q4	16.2	16.4		7.5		17.4
	2021 Q2	17.3	17.3		25		17.8
	2021 Q4	16.4	16.75		9.95		17.69
	2022 Q4	16.1	16.5		16.2	14.4	12.2
	2023 Q2	16.7	16.9			19.13	20.9
	2023 Q4	15.83	16.68		16.38	14.02	13.99

Inorganics

Alkalinity as CaCO₃, Total, mg/L CaCO₃

1995 Q1	99	110	120	110	110	120
1995 Q4	110	120	110	110	110	120
1996 Q2	110	120	120	110	110	120
1996 Q3		110	120		100	120

Alkalinity, Bicarbonate, mg/L CaCO₃

1995 Q1	99	110	120	110	110	120
1995 Q4	110	120	110	110	110	120
1996 Q2	110	120	120	110	110	120
1996 Q3		110	120		100	120

Alkalinity, Carbonate, mg/L CaCO₃

1995 Q1	1U	1U	1U	1U	1U	1U
1995 Q4	1U	1U	1U	1U	1U	1U
1996 Q2	1U	1U	1U	1U	1U	1U
1996 Q3		1U	1U		1U	1U

Alkalinity, Phenolphthalein, mg/l

1995 Q1	1U	1U	1U	1U	1U	1U
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Ammonia, Total, mg/L as N

1989 Q3		0.057	0.03			
1989 Q4	0.014	0.013	0.021			
1990 Q1	0.007	0.014	0.014			
1990 Q2	0.01U	0.01U	0.01U			
1990 Q4		0.01U	0.01U			
1991 Q1	0.01U	0.01U	0.595			
1991 Q2	0.01U	0.01U	0.01U			
1991 Q3	0.01U	0.01U	0.01U			
1991 Q4	0.01U	0.01U	0.01U			
1992 Q1	0.01U	0.01U	0.01U			
1992 Q2	0.01U	0.01U	0.01U			
1992 Q3		0.01U	0.01U			
1992 Q4	0.01U	0.01U				
1993 Q1	0.011	0.01U	0.01U			
1993 Q2	0.016	0.01U	0.01U			
1993 Q3	0.015	0.019	0.01U			
1993 Q4	0.01U	0.01U	0.012	0.01U	0.027	0.071
1994 Q1	0.01U	0.01U	0.01U	0.01U	0.027	0.093
1994 Q2	0.01U	0.01U	0.01U	0.01U	0.013	0.102
1994 Q3		0.06	0.048		0.07	0.073
1994 Q4	0.01	0.017	0.018	0.01	0.038	0.03

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** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q1	0.01U	0.01U	0.01	0.039	0.03	0.01U
	1995 Q2	0.01U	0.01U		0.01U	0.01U	
	1995 Q3		0.011	0.01U		0.022	0.028
	1995 Q4	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
	1996 Q1	0.01U	0.01U	0.01U	0.01U	0.028	0.01U
	1996 Q2	0.029	0.028	0.028	0.026	0.044	0.036
	1996 Q3		0.01U	0.01U		0.017	0.01U
	1996 Q4	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
	1997 Q1	0.033	0.01U	0.01U	0.025	0.021	0.01U
	1997 Q2	0.01U	0.01U	0.01U	0.01U	0.013	0.01U
	1997 Q3	0.01U	0.035	0.019	0.012	0.026	0.01U
	1997 Q4	0.01U	0.01	0.01U	0.01	0.037	0.01U
	1998 Q1	0.01U	0.013	0.01U	0.01U	0.019	0.01U
	1998 Q2	0.01U	0.01U	0.014	0.01U	0.014	0.01U
	1998 Q4	0.01U	0.01U	0.01U	0.01U	0.014	0.01U
	1999 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.037
	1999Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2000 Q2.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2000 Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2001 Q2	0.026	0.019	0.022	0.02	0.026	0.026
	2001 Q4	0.027	0.027	0.017	0.02	0.029	0.017
	2002 Q2	0.013	0.014	0.01	0.017	0.018	0.01U
	2002 Q4	0.023	0.01U	0.038	0.032	0.026	0.013
	2003 Q2		0.021	0.01U	0.011	0.012	0.01U
	2003 Q4		0.01U	0.01U	0.013	0.01U	0.01U
	2004 Q2	0.03	0.013	0.01U	0.01U	0.018	0.01U
	2004 Q4	0.015	0.012	0.012	0.018	0.01	0.01
	2005 Q2	0.016	0.023	0.036	0.016	0.021	0.018
	2005 Q4	0.01	0.014	0.012	0.011	0.026	0.01U
	2006 Q2		0.021		0.024	0.019	0.012
	2006 Q4	0.014	0.022				0.01U
	2007 Q2		0.01U		0.01	0.01U	0.01U
	2007 Q4	0.01U	0.01U		0.021	0.01U	0.01
	2008 Q2	0.017	0.01		0.01U	0.01U	0.05U
	2008 Q4	0.01U	0.01U		0.01U	0.017	0.01U
	2009 Q2	0.1U	0.012		0.01U		0.016
	2009 Q4	0.044	0.088		0.041	0.069	0.078
	2010 Q2	0.035	0.02U		0.025	0.02	0.029
	2010 Q4	0.023	0.01U		0.03	0.059	0.017
	2011 Q2	0.022	0.02		0.025	0.012	0.01U
	2011 Q4	0.015	0.01U		0.01U	0.01U	0.01U
	2012 Q2	0.018	0.039		0.01U	0.016	0.025
	2012 Q4	0.012	0.01U		0.018	0.034	0.084
	2013 Q2	0.08	0.01U		0.01U	0.081	0.087
	2013 Q4	0.01U	0.01U		0.012	0.045	0.025
	2014 Q2	0.038	0.033		0.027	0.102	0.01U
	2014 Q4	0.043	0.06		0.075	0.068	0.056
	2015 Q2		0.039		0.055	0.02	0.034
	2015 Q4		0.02		0.045	0.02	0.01U
	2016 Q1	0.044					
	2016 Q2		0.083			0.04U	0.04U
	2016 Q4	0.04U	0.04U			0.04U	0.04U
	2017 Q2	0.04U	0.04U			0.04U	0.04U
	2017 Q4	0.04U	0.04U			0.04U	0.04U

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J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2018 Q2		0.04U			0.04U	0.04U
	2018 Q4	0.04U	0.04U				0.04U
	2019 Q2	0.04U	0.04U				0.04U
	2019 Q4	0.04U	0.04U				0.04U
	2020 Q2	0.04U	0.04U		0.04U		0.04U
	2020 Q4	0.04U	0.04U		0.04U		0.04U
	2021 Q2	0.04U	0.04U				0.04U
	2021 Q4	0.04U	0.04U				0.04U
	2022 Q2	0.04U	0.04U				
	2022 Q4	0.04U	0.04U		0.04U	0.04U	0.04U
	2023 Q2	0.04U	0.04U			0.04U	0.094
	2023 Q4	0.04U	0.04U		0.04U	0.04U	0.048
Bromide, mg/L							
	1994 Q3		200	220		150	350
	1994 Q4	100U	100U	130	210	110	290
	1995 Q1	250	250	220	240	240	290
Carbon, Total Organic, mg/L							
	1989 Q3		0.3	0.3			
	1989 Q4	0.5	0.3	0.3			
	1990 Q1	0.39	0.12	0.12			
	1990 Q2	0.42	0.28	0.18			
	1990 Q4		0.65	0.27			
	1991 Q1	0.24U	0.42	0.24U			
	1991 Q2	1.54U	1.54U	1.54U			
	1991 Q3	0.62U	0.57	0.24U			
	1991 Q4	0.8U	0.8U	0.8U			
	1992 Q1	0.31U	0.31U	0.56			
	1992 Q2	0.71	0.42U	0.42U			
	1992 Q3		0.15U	0.15U			
	1992 Q4	1U	1U				
	1993 Q1	1U	1U	1U			
	1993 Q2	1.01U	1.01U	1.01U			
	1993 Q3	0.6U	0.06U	0.6U			
	1993 Q4	0.27U	0.27U	0.27U	0.94	0.27U	0.29
	1994 Q1	0.21U	0.21U	0.21U	0.21U	0.21U	0.21U
	1994 Q2	1U	1U	1U	1U	1U	1U
	1994 Q3		1.5U	1.5U		1.5U	1.5U
	1994 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1995 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1995 Q2	1.5U	1.5U		1.5U	1.5U	
	1995 Q3		1.5U	1.5U		1.5U	1.5U
	1995 Q4	2.4	1.8	1.5	1.5	1.5U	1.5U
	1996 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1996 Q2	1.6	1.6	2.6	2.2	1.5U	1.6
	1996 Q3		1.5U	1.5U		1.5U	1.5U
	1996 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1999 Q2	1.5U	1.5U	1.5U	1.9	1.5U	1.5U
	1999Q4.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2000 Q2.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2000 Q4.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2001 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2001 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2002 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2002 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2003 Q2		1.5U	1.5U	1.5U	1.5U	1.5U
	2003 Q4		1.5U	1.5U	1.5U	1.5U	1.5U
	2004 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2004 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2005 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2005 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2006 Q2		1.5U		1.5U	1.5U	1.5U
	2006 Q4	1.5U	1.5U				1.5U
	2007 Q2		1.5U		1.5U	1.5U	1.5U
	2007 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2008 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2008 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2009 Q2	1.5U	1.5U		1.5U		1.5U
	2009 Q4	3.3	2.04		1.75	2.35	3.36
	2010 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2010 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2011 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2011 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2012 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2012 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2013 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2013 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2014 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2014 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2015 Q2		0.5U		0.58	0.5U	1.54
	2015 Q4		0.5U		0.65	0.78	1.6
	2016 Q1	0.69					
	2016 Q2		0.5U			0.5U	1.18
	2016 Q4	0.5U	0.5U			0.5U	1.07
	2017 Q2	0.5U	0.5U			0.5U	1.2
	2017 Q4	0.5U	0.5U			0.5U	1.16
	2018 Q2		0.5U			0.5U	1.23
	2018 Q4	0.5U	0.5U				1.25
	2019 Q2	0.5U	0.5U				2.19
	2019 Q4	0.5U	0.5U				1.28
	2020 Q2	0.5U	0.5U		0.5U		2.3
	2020 Q4	0.5U	0.5U		0.5U		1.15
	2021 Q2	0.5U	0.5U				1.08
	2021 Q4	0.66	0.5				1.6
	2022 Q2	0.58	0.5U				
	2022 Q4	1	0.7		0.5U	0.76	7.32
	2023 Q2	0.78	0.5U			0.75	17.3D
	2023 Q4	0.55	0.5U		0.5U	1.06	4.17
Chemical Oxygen Demand (COD), mg/L							
	1989 Q3		8.5	5U			

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1989 Q4	5U	5U	5U			
	1990 Q1	5U	5U	5U			
	1990 Q2	5U	5U	5U			
	1991 Q1	5U	5U	5U			
	1991 Q2	8	5U	5U			
	1991 Q3	5U	5U	5U			
	1991 Q4	5U	5U	5U			
	1992 Q1	5U	7.7	5U			
	1992 Q2	5U	5U	5U			
	1992 Q3		5U	5U			
	1992 Q4	5U	5U				
	1993 Q1	5U	5U	5U			
	1993 Q2	5U	5.1	5U			
	1993 Q3	5U	5U	5U			
	1993 Q4	5U	5U	5U	5U	5U	5U
	1994 Q1	8.1	5U	5U	5.6	5.3	6.6
	1994 Q2	5U	5U	5U	6	6.7	7.1
	1994 Q3		5U	5U		6	5U
	1994 Q4	5U	5U	5U	5U	5U	5U
	1995 Q1	9.9	7.9	5.6	5U	9.2	8.2
	1995 Q2	5U	7.2		5U	5U	
	1995 Q3		5U	5U		6	5U
	1995 Q4	5.4	5U	5U	5.8	5U	5U
	1996 Q1	5U	5U	5U	5U	5U	6.8
	1996 Q2	5.9	5U	5U	5U	5U	7.3
	1996 Q3		5U	5U		5U	5U
	1996 Q4	5U	5U	5U	5U	5U	5U
	1997 Q1	5U	5U	5U	5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U	5U	5U	5U	5U	5U
	1997 Q4	5U	5U	5U	5U	5U	5U
	1998 Q1	5U	5U	5U	5U	5U	5U
	1998 Q2	5.9	5U	5U	5U	5U	5U
	1998 Q4	5U	5U	5U	5U	5U	5U
	1999 Q2	5U	5U	5U	5U	5U	5U
	1999Q4.3	5U	5U	5U	5U	7.4	5U
	2000 Q2.3	5U	5U	5U	5U	5U	5U
	2000 Q4.3	8.1	5U	5U	5U	5U	5U
	2001 Q2	5U	5U	5U	5U	5U	5U
	2001 Q4	7.9	5U	7.2	5U	5.9	5U
	2002 Q2	5U	5U	5	5U	5U	5U
	2002 Q4	5U	14	5.4	5U	5U	12
	2003 Q2		5U	5U	7.4	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	6.88	5U	5U	5U
	2004 Q4	6.69	8.36	6.35	5.02	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	7.24	5.54	5U	5U	5.2	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5.26	5U				5U
	2007 Q2		5U		5U	5U	5.79
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	6.98
	2008 Q4	5U	5U		5U	5U	5U

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2009 Q2	5U	7.82		5U		5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	18.3
	2013 Q4	10U	10U		10U	10U	10U
	2014 Q2	10U	10U		10U	10U	10U
	2014 Q4	10U	10U		10U	13	10U
	2015 Q2		10U		10U	10U	10U
	2015 Q4		10U		10U	10U	10U
	2016 Q1	10U					
	2016 Q2		11.4			10U	14.8
	2016 Q4	10U	10U			10U	10U
	2017 Q2	10U	10U			10U	10U
	2017 Q4	10U	10U			10U	10U
	2018 Q2		10U			10U	10U
	2018 Q4	10U	10U				10U
	2019 Q2	10U	10U				10U
	2019 Q4	10U	10U				10U
	2020 Q2	10U	10U		10U		10U
	2020 Q4	10U	10U		10U		10U
	2021 Q2	10U	10U				10U
	2021 Q4	10U	10U				50U
	2022 Q2	10U	10U				
	2022 Q4	10U	10U		10U	10U	40.5
	2023 Q2	10U	10U			10U	123
	2023 Q4	10U	10U		10U	10U	50.7
Chloride, mg/L							
	1989 Q3		4.71	3.38			
	1989 Q4	10.3	3.8	2.1			
	1990 Q1	10.1	4.6	3.1			
	1990 Q2	10.1	3.4	2.7			
	1990 Q4		4.5	3			
	1991 Q1	11.3	4.3	2.3			
	1991 Q2	11.2	4.2	2.8			
	1991 Q3	11.7	4.2	2.7			
	1991 Q4	12.5	4.7	3.3			
	1992 Q1	11.3	4	2.8			
	1992 Q2	12	4.3	3.4			
	1992 Q3		5.48	4.22			
	1992 Q4	11.8	4.86				
	1993 Q1	12.1	4.76	3.44			
	1993 Q2	12.9	4.5	3.1			
	1993 Q3	13.5	4.5	3.3			
	1993 Q4	13	4.5	3.2	4.7	4.2	9.5
	1994 Q1	12.3	4.3	3	4.8	4.8	7.1
	1994 Q2	12.8	4.2	3.2	4.9	4.8	6.8
	1994 Q3		4.4	3.2		4.7	5.2
	1994 Q4	15	4.6	3.2	5	5	6.9

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not qualified.

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q1	13	4.2	3.2	4.6	4.4	4.7
	1995 Q2	13	4.7		5	4.8	
	1995 Q3		4.6	3.3		5	5.2
	1995 Q4	12	5.1	3.9	5.9	6.3	6
	1996 Q1	13	4.9	4.4	5.4	5.4	5.5
	1996 Q2	12	4	2.7	4.4	4.5	5.6
	1996 Q3		5	3.7		5.7	5.7
	1996 Q4	13	4.3	5	3.3	4.9	4.9
	1997 Q1	12	3.8	2.7	4.4	4.6	4.1
	1997 Q2	14	4.5	3.3	5.3	5	5.2
	1997 Q3	13	4.6	3.2	5.2	4.9	6
	1997 Q4	15	4.5	3.4	5.7	5.3	5
	1998 Q1	13	4.4	3.2	5.6	5.4	4.9
	1998 Q2	14	4	2.5	4.9	4.8	5.8
	1998 Q4	16	4.7	3.3	5.3	4.6	5.7
	1999 Q2	14	4	2.9	4.8	4.3	6
	1999Q4.3	18	4.4	3.2	5.7	4.9	6.3
	2000 Q2.3	15	4.7	3.1	4.2	4.1	7
	2000 Q4.3	16	4.1	3.2	5	4.3	6.3
	2001 Q2	17	4.4	3.2	4.9	5.8	9
	2001 Q4	20	4.6	2.7	5.1	4.3	6.4
	2002 Q2	18	4.2	3	4.8	5.1	9.2
	2002 Q4	19	4.7	3.8	6	5.1	8
	2003 Q2		5.3	3.3	5.4	6.1	11
	2003 Q4		4.2	2.8	5.6	5	8.2
	2004 Q2	20.4	4.7	3.2	5.4	5.8	11.2
	2004 Q4	20.4	5	3.5	6.4	5.9	9.8
	2005 Q2	20	5	3.1	5.3	6	14.2
	2005 Q4	16.6	4.9	3.3	6.3	4.8	12.4
	2006 Q2		4.9		5.6	6	15.6
	2006 Q4	16.7	4.9				14.2
	2007 Q2		5.1		5.7	6	17.9
	2007 Q4	17.2	5.6		6.4	5.3	16.7
	2008 Q2	16	4.9		5.2	5.6	17.4
	2008 Q4	15.6	5		6	5	17
	2009 Q2	16.7	5.4		5.8		23.5
	2009 Q4	15.6	6.1		6.1	5.5	19.8
	2010 Q2	15.8	6.2		5.7	6.2	26.6
	2010 Q4	16.2	6		6.8	5.5	25.9
	2011 Q2	16	5.5		5.8	5.3	32.9
	2011 Q4	16.1	5.2		6.5	5.2	32.4
	2012 Q2	17.9	6		6.2	6.3	38.3
	2012 Q4	17.5	5.3		7.2	4.6	38.4
	2013 Q2	16.3	5.1		6.5	5.2	1U
	2013 Q4	16.7	4.9		6.8	4.5	36.5
	2014 Q2	16.4	4.9		6.3	4.9	38.1
	2014 Q4	16.9	4.8		7	5.4	37.8
	2015 Q2		5.6		6.5	4.2	37.5
	2015 Q4		5.2		7.2	4.4	33.9
	2016 Q1	16.8					
	2016 Q4	15.6D	4.92			5.05	26.7D
	2017 Q2	15.1D	4.92			5.82	29.6D
	2017 Q4	16.5D	5.03			5.15	31.9D
	2018 Q2		5.27			6.33	29.6D

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2018 Q4	15.6D	5.24				29.7
	2019 Q2	17D	10D				29.7D
	2019 Q4	16.5D	5.74				32.1D
	2020 Q2	16.6D	4.88		7.6		31.4D
	2020 Q4	16D	4.67		7.47		28.5D
	2021 Q2	15.9	4.75				28.2D
	2021 Q4	17.9D	4.68				25.2D
	2022 Q2	18.2D	5.05				
	2022 Q4	17.3D	5.95		7.97	4.18	31.3D
	2023 Q2	17D	9.04			4.08	42.2D
	2023 Q4	17.2D	6.18		7.98	4.1	23.1D
Coliform, Total, #/100ml							
	1989 Q4		8	2U			
	1990 Q1	2U	2U	2U			
	1990 Q2	2U	2U	2U			
	1990 Q4		2U	2U			
	1991 Q2	2U	2U	2U			
	1991 Q3			2U			
	1991 Q4	2U	2U				
	1992 Q1	2U	2U	2U			
	1992 Q2	2U	2U	2U			
	1992 Q3		2U	2U			
	1992 Q4	2U	2U				
	1993 Q1	1U	1U	1U			
	1993 Q2	4U	4U	4U			
	1993 Q3	4U	4U	4U			
	1993 Q4	2U	2U	2U	2U	2U	17U
	1994 Q1	2U	2U	2U	2U		
	1994 Q2	1U	1U	1U	1U	1U	1U
	1994 Q3		1U	2U		1U	1U
	1994 Q4	2U	2U	2U	2U	2U	2U
	1995 Q1	2U	2U	2U	2U	2U	2U
	1995 Q2	1U	1U		1U	1U	
	1995 Q3		2U	2U		2U	2U
	1995 Q4	2U	1U	1U	1U	1U	1U
	1996 Q1	1U	2U	1U	2	2U	1U
	1996 Q2	2U	1U	1U	47	1U	1U
	1996 Q3		2U	2U		2U	2U
	1996 Q4	U	U	U	U	U	U
	1997 Q1	2U	2U	2U	2U	2U	2U
Fluoride, mg/L							
	1989 Q3		0.223	0.232			
Nitrate, mg/L as N							
	1989 Q3		0.21	0.16			
	1989 Q4	2.177	0.239	0.194			
	1990 Q1	2.035	0.238	0.197			
	1990 Q2	2.656	0.256	0.202			
	1990 Q4		0.245	0.227			
	1991 Q1	2.32	0.263	0.208			
	1991 Q2	2.38	0.214	0.205			
	1991 Q3	2.41	0.0289	0.225			
	1991 Q4	2.77	0.269	0.206			

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q1	2.56	0.243	0.199			
	1992 Q2	2.58	0.279	0.218			
	1992 Q3		0.337	0.238			
	1992 Q4	2.59	0.246				
	1993 Q1	2.4	0.25	0.2			
	1993 Q2	0.082	0.267	0.223			
	1993 Q3	2.62	0.29	0.206			
	1993 Q4	2.79	0.252	0.205	0.058	0.01U	0.548
	1994 Q1	2.74	0.313	0.218	0.248	0.027	0.244
	1994 Q2	3.35	0.264	0.212	0.075	0.01U	0.177
	1994 Q3		0.27	0.2		0.01U	0.17
	1994 Q4	3.2	0.28	0.26	0.99	0.016	0.18
	1995 Q1	2.8	0.26	0.22	0.29	0.01U	0.21
	1995 Q2	4.5	0.3		0.36	0.029	
	1995 Q3		0.26	0.22		0.015	0.2
	1995 Q4	6.5	0.31	0.24	0.018	0.04	0.21
	1996 Q1	2.8	0.26	0.2	0.01U	0.01U	0.2
	1996 Q2	5.5	0.26	0.19	0.23	0.01U	0.21
	1996 Q3		0.25	0.19		0.01	0.23
	1996 Q4	2.6	0.25	0.01U	0.2	0.01U	0.16
	1997 Q1	3.8	0.29	0.22	0.02	0.01U	0.01U
	1997 Q2	3.1	0.29	0.22	0.51	0.01U	0.27
	1997 Q3	3	0.27	0.21	0.49	0.01U	0.26
	1997 Q4	7	0.28	0.23	0.01U	0.01U	0.21
	1998 Q1	3.4	0.28	0.23	0.018	0.01U	0.23
	1998 Q2	3.1	0.28	0.21	0.042	0.01U	0.36
	1998 Q4	2.4	0.24	0.19	0.01U	0.01U	0.24
	1999 Q2	3.8	0.28	0.22	0.55	0.01	0.43
	1999Q4.3	3.4	0.27	0.22	0.01U	0.01U	0.26
	2000 Q2.3	3.6J	0.26J	0.21J	0.36J	UJ	0.52J
	2000 Q4.3	3.7	0.3	0.23	0.01U	0.01U	0.39
	2001 Q2	2.5	0.3	0.21	0.52		0.75
	2001 Q4	3.5	0.31	0.24	0.01U	0.01U	0.48
	2002 Q2	3.3	0.3	0.21	0.61	0.01U	0.74
	2002 Q4	2.7	0.26	0.21	0.01	0.011	0.52
	2003 Q2		0.29	0.2	0.57	0.01U	0.9
	2003 Q4		0.29	0.2	0.01U	0.01U	0.7
	2004 Q2	3.27	0.272	0.185	0.574	0.01U	0.93
	2004 Q4	3.47	0.285	0.2	0.01U	0.01U	0.876
	2005 Q2	3.18	0.287	0.204	0.672	0.01U	1.48
	2005 Q4	3.05	0.283	0.196	0.01U	0.01U	1.31
	2006 Q2		0.286		0.69	0.01U	1.67
	2006 Q4	3.11	0.311				1.61
	2007 Q2		0.278		0.194	0.01U	1.9
	2007 Q4	2.51	0.257		0.01U	0.01U	1.87
	2008 Q2	2.49J	0.277J		0.569J	UJ	1.87J
	2008 Q4	2.53	0.299		0.012	0.01U	1.98
	2009 Q2	2.42	0.29		0.573		2.48
	2009 Q4	2.4	0.4		0.1U	0.1U	2.3
	2010 Q2	2.23	0.287		0.461	0.01U	2.77
	2010 Q4	2.15	0.289		0.014	0.01U	2.59
	2011 Q2	1.71	0.342		0.438	0.01U	3.29
	2011 Q4	2.11	0.29		0.011	0.01U	3.06
	2012 Q2	1.69	0.317		0.474	0.01U	3.55

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q4	1.95	0.262		0.01U	0.01U	3.3
	2013 Q2	1.61	0.272		0.268	0.01U	3.43
	2013 Q4	2.06	0.301		0.01U	0.01U	3.41
	2014 Q2	1.24	0.26		0.294	0.01U	3.38
	2014 Q4	2.13	0.289		0.01U	0.01U	3.22
	2015 Q2		0.308		0.671	0.01U	3.16
	2015 Q4		0.287		0.01U	0.01U	2.68
	2016 Q1	2.29					
	2016 Q2		0.27			0.01U	2.38
	2016 Q4	1.9	0.283			0.02U	2
	2017 Q2	2.08	0.27			0.02U	2.2
	2017 Q4	1.93H	0.279H			0.02U	2.23H
	2018 Q2		0.276			0.02U	2.19
	2018 Q4	1.44	0.28				2.32
	2019 Q2	1.82H	0.294H				222
	2019 Q4	2.03	0.32				2.58
	2020 Q2	1.59	0.295		0.743		1.94
	2020 Q4	1.92	0.29		0.0581		2.07
	2021 Q2	1.69	0.301				1.86
	2021 Q4	2.29H	0.323H				1.76H
	2022 Q2	1.86H	0.307H				
	2022 Q4	2.12H	0.02UH		0.02U	0.02U	0.851
	2023 Q2	1.92H	0.384H			0.02U	0.0378H
	2023 Q4	1.76H	0.39H		UH	UH	0.735H
Nitrate + Nitrite (NO2 + NO3), mg-N/L							
	1995 Q1	2.8	0.26	0.22	0.29	0.01U	0.22
	1995 Q2	4.5	0.3		0.36	0.029	
	1995 Q3		0.26	0.22		0.015	0.22
	1995 Q4	6.5	0.31	0.24	0.018	0.04	0.21
	1996 Q1	2.8	0.26	0.2	0.01U	0.01U	0.2
	1996 Q2	5.5	0.26	0.19	0.23	0.01U	0.26
	1996 Q3		0.25	0.2		0.01	0.25
	1996 Q4	2.6	0.25	0.01U	0.2	0.01U	0.18
	1997 Q1	3.8	0.29	0.22	0.02	0.01U	0.012
	1997 Q2	3.1	0.29	0.22	0.51	0.01U	0.27
	1997 Q3	3	0.27	0.21	0.49	0.01U	0.29
	1997 Q4	7	0.28	0.23	0.01U	0.01U	0.21
	1998 Q1	3.4	0.29	0.23	0.018	0.01U	0.24
	1998 Q2	3.1	0.28	0.21	0.042	0.01U	0.36
	1998 Q4	2.4	0.24	0.19	0.01U	0.01U	0.24
	1999 Q2	3.8	0.28	0.22	0.55	0.01	0.43
	1999Q4.3	3.4	0.27	0.22	0.01U	0.01U	0.26
	2000 Q2.3	3.6J	0.26J	0.21J	0.36J	UJ	0.52J
	2000 Q4.3	3.7	0.3	0.23	0.01U	0.01U	0.4
	2001 Q2	2.5	0.3	0.21	0.53	0.01U	0.75
	2001 Q4	3.5	0.31	0.24	0.01U	0.01U	0.48
	2002 Q2	3.3	0.3	0.21	0.61	0.01U	0.74
	2002 Q4	2.7	0.26	0.21	0.01	0.011	0.53
	2003 Q2		0.29	0.2	0.57	0.01U	0.9
	2003 Q4		0.29	0.2	0.023	0.01U	0.7
	2004 Q2	3.28	0.272	0.185	0.574	0.01U	0.93
	2004 Q4	3.49	0.285	0.2	0.01U	0.01U	0.876
	2005 Q2	3.19	0.287	0.204	0.672	0.01U	1.48

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2005 Q4	3.06	0.283	0.196	0.01U	0.01U	1.31
	2006 Q2		0.286		0.69	0.01U	1.67
	2006 Q4	3.13	0.311				1.62
	2007 Q2		0.278		0.194	0.01U	1.92
	2007 Q4	2.52	0.282		0.01U	0.01U	1.87
	2008 Q2	2.51	0.277		0.569	0.01U	1.89
	2008 Q4	2.53	0.299		0.012	0.01U	1.98
	2009 Q2	2.42	0.29		0.573		2.48
	2010 Q2	2.23	0.287		0.461	0.01U	2.77
	2010 Q4	2.15	0.289		0.014	0.01U	2.59
	2011 Q2	1.71	0.342		0.438	0.01U	3.29
	2011 Q4	2.13	0.29		0.011	0.01U	3.08
	2012 Q2	1.7	0.317		0.474	0.01U	3.57
	2012 Q4	1.95	0.262		0.01U	0.01U	3.3
	2013 Q2	1.61	0.272		0.268	0.01U	3.43
	2013 Q4	2.06	0.301		0.01U	0.01U	3.41
	2014 Q2	1.24	0.26		0.294	0.01U	3.38
	2014 Q4	2.13	0.289		0.01U	0.01U	3.22
	2015 Q2		0.308		0.671	0.01U	3.16
	2015 Q4		0.287		0.01U	0.01U	2.68
	2016 Q1	2.29					
	2016 Q2		0.27			0.01U	2.38
	2016 Q4	1.9D	0.283H			0.01U	2D
	2017 Q2	2.08D	0.27			0.01U	2.2D
	2017 Q4	1.93H	0.279H			0.01U	2.23H
	2018 Q2		0.276			0.01U	2.19D
	2018 Q4	1.44D	0.28				2.32D
	2019 Q2	1.82D	0.309				222D
	2019 Q4	2.03D	0.335				2.59D
	2020 Q2	1.6D	0.295		0.743		1.97D
	2020 Q4	1.92D	0.29		0.058		2.07D
	2021 Q2	1.69D	0.314				1.86D
	2021 Q4	2.31D	0.338				1.77D
	2022 Q2	1.88HD	0.307H				
	2022 Q4	2.12D	0.01U		0.01U	0.01U	0.851
	2023 Q2	1.92D	0.384			0.01U	0.038
	2023 Q4	1.76D	0.39		0.01U	0.01U	0.735
Nitrite, mg/L as N							
	1989 Q3		0.012	0.009			
	1989 Q4	0.003	0.005	0.004			
	1990 Q1	0.005U	0.005U	0.005U			
	1990 Q2	0.01U	0.01U	0.01U			
	1990 Q4		0.01U	0.01U			
	1991 Q1	0.01U	0.01U	0.01U			
	1991 Q2	0.01U	0.01U	0.01U			
	1991 Q3	0.01U	0.01U	0.01U			
	1991 Q4	0.01U	0.01U	0.01U			
	1992 Q1	0.01U	0.01U	0.01U			
	1992 Q2	0.01U	0.01U	0.01U			
	1992 Q3		0.01U	0.01U			
	1992 Q4	0.01U	0.01U				
	1993 Q1	0.01U	0.01U	0.015			
	1993 Q2	0.01U	0.01U	0.01U			

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q3	0.01U	0.01U	0.01U			
	1993 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.109
	1994 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1994 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.036
	1994 Q3		0.01U	0.013		0.01U	0.04
	1994 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.027
	1995 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.015
	1995 Q2	0.011	0.01U		0.01U	0.01U	
	1995 Q3		0.01U	0.01U		0.01U	0.017
	1995 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1996 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1996 Q2	0.012	0.01U	0.01U	0.01U	0.01U	0.045
	1996 Q3		0.01U	0.01		0.01U	0.024
	1996 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.018
	1997 Q1	0.014	0.01U	0.01U	0.01U	0.01U	0.036
	1997 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1997 Q3	0.01U	0.01U	0.01U	0.01U	0.01U	0.027
	1997 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1998 Q1	0.011	0.01	0.01U	0.01U	0.01	0.012
	1998 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1998 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1999 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1999Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2000 Q2.3	UJ	UJ	UJ	UJ	UJ	UJ
	2000 Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01
	2001 Q2	0.01U	0.01U	0.01U	0.014	0.01U	0.01U
	2001 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2002 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2002 Q4	0.049	0.01U	0.01U	0.01U	0.01U	0.01
	2003 Q2		0.01U	0.01U	0.01U	0.01U	0.01U
	2003 Q4		0.01U	0.01U	0.027	0.01U	0.01U
	2004 Q2	0.011	0.01U	0.01U	0.01U	0.01U	0.01U
	2004 Q4	0.018	0.01U	0.01U	0.01U	0.01U	0.01U
	2005 Q2	0.015	0.01U	0.01U	0.01U	0.01U	0.01U
	2005 Q4	0.014	0.01U	0.01U	0.01U	0.01U	0.01U
	2006 Q2		0.01U		0.01U	0.01U	0.01U
	2006 Q4	0.022	0.01U				0.013
	2007 Q2		0.01U		0.01U	0.01U	0.015
	2007 Q4	0.012	0.025		0.01U	0.01U	0.01U
	2008 Q2	0.022	0.01U		0.01U	0.01U	0.019
	2008 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2009 Q2	0.01U	0.01U		0.01U		0.01U
	2009 Q4	0.1U	0.1U		0.1U	0.1U	0.1U
	2010 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q4	0.016	0.01U		0.01U	0.01U	0.02
	2012 Q2	0.014	0.01U		0.01U	0.01U	0.022
	2012 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2015 Q2		0.01U		0.01U	0.01U	0.01U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2015 Q4		0.01U		0.01U	0.01U	0.01U
	2016 Q1	0.01U					
	2016 Q2		0.01U			0.01U	0.01U
	2016 Q4	0.01U	0.01U			0.01U	0.01U
	2017 Q2	0.01U	0.01U			0.01U	0.01U
	2017 Q4	0.01U	0.01U			0.01U	0.01U
	2018 Q2		0.01H			0.01H	0.01H
	2018 Q4	0.01U	0.01U				UH
	2019 Q2	UH	0.015H				0.01U
	2019 Q4	0.01U	0.015				0.01U
	2020 Q2	0.01U	0.01U		0.01U		0.01U
	2020 Q4	0.01U	0.01U		0.01U		0.01U
	2021 Q2	0.01U	0.013				0.01U
	2021 Q4	0.014H	0.015H				0.011H
	2022 Q2	0.015H	UH				
	2022 Q4	0.01UH	0.01UH		0.01U	0.01U	0.01U
	2023 Q2	UH	UH			0.01U	UH
	2023 Q4	UH	UH		UH	UH	UH
Solids, Total Dissolved, mg/l							
	1989 Q3		0.1	282			
	1995 Q4	360	270	220	200	210	240
	1996 Q2	410	260	250	140	180	260
	1996 Q3		260	220		210	260
Sulfate, mg/L							
	1989 Q3		62.9	16.3			
	1989 Q4	141.4	76.8	16.1			
	1990 Q1	146.7	67.4	16			
	1990 Q2	163.1	64.9	15.5			
	1990 Q4		63.7	12.6			
	1991 Q1	135	62.3	15.3			
	1991 Q2	170	65	15.9			
	1991 Q3	193.7	62.8	18.5			
	1991 Q4	36.1	27.9	8.6			
	1992 Q1	159.2	16.6	68.4			
	1992 Q2	161.8	66.6	15.7			
	1992 Q3		64.7	14.8			
	1992 Q4	138	67.4				
	1993 Q1	148	65.8	16.5			
	1993 Q2	161	65.8	16.1			
	1993 Q3	171	65	16.6			
	1993 Q4	138	72.4	17.3	29.3	31.8	141
	1994 Q1	157	73	17.4	26	30.4	38
	1994 Q2	184	70.9	16.4	30.9	34.5	38.1
	1994 Q3		68	16		33	34
	1994 Q4	150	65	16	28	32	34
	1995 Q1	150	63	15	28	31	36
	1995 Q2	130	62		30	34	
	1995 Q3		62	17		33	35
	1995 Q4	130	60	13	29	32	34
	1996 Q1	180	65	16	29	32	33
	1996 Q2	140	63	16	28	31	34
	1996 Q3		67	17		32	34
	1996 Q4	120	62	30	18	31	32

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J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q1	120	61	17	29	31	31
	1997 Q2	150	64	16	31	35	33
	1997 Q3	140	68	18	30	32	34
	1997 Q4	120	65	16	31	31	29
	1998 Q1	120	69	18	32	32	32
	1998 Q2	130	68	14	34	35	31
	1998 Q4	120	70	17	36	33	35
	1999 Q2	130	66	16	33	36	32
	1999Q4.3	99	65	18	34	32	32
	2000 Q2.3	140	76	20	35	38	38
	2000 Q4.3	110J	69J	19J	36J	33J	35J
	2001 Q2	99	67	16	33	34	34
	2001 Q4	89	64	15	35	32	35
	2002 Q2	130	66	12	29	31	30
	2002 Q4	110	67	17	35	31	32
	2003 Q2		58	15	30	33	32
	2003 Q4		65	16	34	32	34
	2004 Q2	120	66.5	16.2	30.9	37.3	37
	2004 Q4	86.5	55.9	15.2	32.8	30.6	34
	2005 Q2	124	65.8	15.4	28.8	35.4	38
	2005 Q4	93.1	52.7	14.2	35.4	28.1	38.1
	2006 Q2		66.1		29.4	35.5	43.2
	2006 Q4	99	62.6				40.2
	2007 Q2		57		33.9	34.3	47.5
	2007 Q4	98.2	61.5		38.1	33.7	52.7
	2008 Q2	117	68.3		31.3	32.6	52.6
	2008 Q4	96.3	63.1		38.3	33.5	44.6
	2009 Q2	122	65.9		32.1		54.2
	2009 Q4	93.3	70.1		36.9	34	59.3
	2010 Q2	89.4	19.1		34.1	39.5	26.8
	2010 Q4	78.8	61		37.2	33.9	54
	2011 Q2	100	64.1		30.2	32.4	66.3
	2011 Q4	87.3	67.3		38.1	34.7	67.9
	2012 Q2	117	68.2		31.1	36.5	83.8
	2012 Q4	102	74.4		40.9	27.6	86.2
	2013 Q2	102	70.5		34.1	31.3	88.4
	2013 Q4	88.9	67.9		36.4	27.6	83.9
	2014 Q2	109	69.2		32.6	28.5	91.5
	2014 Q4	88.3	76.6		38.1	29.2	91.4
	2015 Q2		68.9		28.2	25.4	80
	2015 Q4		65.1		36.2	27.1	88
	2016 Q1	86.2					
	2016 Q4	69.2D	69.9			29D	80.1D
	2017 Q2	90.2D	73.3D			35.1D	90.7D
	2017 Q4	82.6D	74.9D			30.9D	95.1D
	2018 Q2		78.7D			33.5D	87.9D
	2018 Q4	66.7D	57.9D				79.6D
	2019 Q4	75.5D	72.5D				87D
	2020 Q2	90D	70.5D		26.3		77.5D
	2020 Q4	74.5D	71.5D		32		86.5D
	2021 Q2	95.5D	75D				87.5D
	2021 Q4	79.2D	83.2D				83.4D
	2022 Q2	82.5D	83D				
	2022 Q4	75.2D	85.5D		36.2D	25	50.1D

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Turbidity, NTU	2023 Q2	87D	88D			26.8D	27.4D
	2023 Q4	78D	84.6D		33.6D	25.8	94.9D
	1989 Q3 2019 Q2		0.12	0.21			
<u>Metals</u>							
Arsenic, Dissolved, mg/L	1989 Q3		50U	50U			
Barium, Dissolved, mg/L	1989 Q3		59	55			
Cadmium, Dissolved, mg/L	1989 Q3		2U	2U			
Calcium, mg/L	1995 Q1	59.2	35.8	19.8	28.7	26.2	19.3
	1995 Q4	55.3	34.3	19.1	26.5	25.3	22
	1996 Q2	62.1	37.5	20	30	27.1	27.3
Chromium, Dissolved, mg/L	1989 Q3		9	13			
Iron, Dissolved, mg/L	1989 Q3		0.036	0.06			
	1989 Q4	0.058	0.025	0.086			
	1990 Q1	0.07	0.028	0.038			
	1990 Q2	0.092	0.019	0.03			
	1990 Q4		0.036	0.04			
	1991 Q1	0.066	0.018	0.024			
	1991 Q2	0.074	0.007	0.007			
	1991 Q3	0.033	0.015	0.019			
	1991 Q4	0.054	0.008	0.012			
	1992 Q1	0.035	0.012	0.01			
	1992 Q2	0.051	0.014	0.024			
	1992 Q3		0.014	0.022			
	1992 Q4	0.022	0.01				
	1993 Q1	0.031	0.014	0.015			
	1993 Q2	0.025B	0.008B	0.01B			
	1993 Q3	0.147	0.012	0.012			
	1993 Q4	0.019	0.006	0.007	0.01	0.114	0.645
	1994 Q1	0.064	0.012	0.013	0.005U	0.119	0.069
	1994 Q2	0.042	0.008	0.011	0.006	0.155	0.051
	1994 Q3		0.008	0.008		0.243	0.005U
	1994 Q4	0.03	0.01U	0.01U	0.01U	0.24	0.01U
	1995 Q1	0.07	0.01U	0.01	0.01U	0.23	0.1
	1995 Q2	0.05	0.01		0.01U	0.21	
	1995 Q3		0.01U	0.01U		0.17	0.01
	1995 Q4	0.1	0.02	0.01U	0.01U	0.22	0.07
	1996 Q1	0.03	0.01	0.02	0.01U	0.22	0.02
	1996 Q2	0.03	0.02	0.03	0.01U	0.2	0.02
	1996 Q3		0.02U	0.02U		0.2	0.02U
	1996 Q4	0.1	0.02	0.02	0.02U	0.22	0.1
	1997 Q1	0.02U	0.02	0.02	0.02U	0.25	0.04

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q2	0.03	0.02U	0.06	0.02U	0.21	0.07
	1997 Q3	0.02	0.02U	0.03	0.02	0.19	0.06
	1997 Q4	0.06	0.02U	0.02	0.02U	0.2	0.02
	1998 Q1	0.02	0.02U	0.03	0.02U	0.22	0.03
	1998 Q2	0.02U	0.02U	0.02U	0.02U	0.21	0.03
	1998 Q4	0.43	0.02U	0.02U	0.02U	0.14	0.02U
	1999 Q2	0.14	0.02U	0.02U	0.02U	0.18	0.02U
	1999Q4.3	0.03	0.02U	0.03	0.02U	0.15	0.02U
	2000 Q2.3	0.03	0.02U	0.02U	0.02U	0.18	0.02U
	2000 Q4.3	0.05	0.02	0.02U	0.02U	0.12	0.02U
	2001 Q2	0.15	0.02U	0.02U	0.02U	0.14	0.06
	2001 Q4	0.37	0.05U	0.05U	0.05U	0.09	0.05U
	2002 Q2	0.07	0.05U	0.05U	0.05U	0.09	0.05U
	2002 Q4	0.07	0.05U	0.05U	0.05U	0.08	0.05U
	2003 Q2		0.05U	0.05U	0.05U	0.14	0.05U
	2003 Q4		0.05U	0.05U	0.05U	0.08	0.05U
	2004 Q2	0.22	0.05U	0.05U	0.05U	0.13	0.05U
	2004 Q4	0.08	0.05U	0.05U	0.05U	0.09	0.05U
	2005 Q2	0.08	0.08	0.05U	0.05U	0.16	0.05U
	2005 Q4	0.08	0.05U	0.05U	0.05U	0.05	0.05U
	2006 Q2		0.05U		0.05U	0.11	0.05U
	2006 Q4	0.06	0.05U				0.05U
	2007 Q2		0.05U		0.05U	0.11	0.05U
	2007 Q4	0.05U	0.05U		0.05U	0.06	0.05U
	2008 Q2	0.05U	0.06		0.05U	0.09	0.05U
	2008 Q4	0.05U	0.05U		0.05U	0.08	0.05U
	2009 Q2	0.05U	0.13		0.05U		0.05U
	2009 Q4	0.07	0.1		0.05U	0.13	0.05U
	2010 Q2	0.1	0.2		0.05U	0.15	0.05U
	2010 Q4	0.06	0.08		0.05U	0.08	0.05U
	2011 Q2	0.05	0.05U		0.05U	0.08	0.05U
	2011 Q4	0.05U	0.05U		0.05U	0.07	0.05U
	2012 Q2	0.12	0.05U		0.05U	0.1	0.05U
	2012 Q4	0.05	0.05U		0.05U	0.05U	0.05U
	2013 Q2	0.06	0.05U		0.05U	0.05U	0.05U
	2013 Q4	0.57	0.06		0.05U	0.05U	0.05U
	2014 Q2	0.07	0.05U		0.05U	0.05U	0.05U
	2014 Q4	0.14	0.05U		0.05U	0.05U	0.05U
	2015 Q2		0.05U		0.05U	0.05U	0.05U
	2015 Q4		0.05U		0.05U	0.05U	0.05U
	2016 Q1	0.04U					
	2016 Q2		0.05U			0.05U	0.05U
	2016 Q4	0.05U	0.05U			0.05U	0.05U
	2017 Q2	0.0582	0.05U			0.0611	0.05U
	2017 Q4	0.0759	0.05U			0.0541	0.05U
	2018 Q2		0.05U			0.0696	0.05U
	2018 Q4	0.129	0.05U				0.05U
	2019 Q2	0.0754	0.146				0.05U
	2019 Q4	0.124	0.05U				0.05U
	2020 Q2	0.119	0.05U		0.0994		0.0575
	2020 Q4	0.124	0.05U		0.05U		0.05U
	2021 Q2	0.25U	0.25U				0.25U
	2021 Q4	0.108	0.05U				
	2022 Q2	0.168	0.05U				

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Iron, Total, mg/L	2022 Q4	0.146	0.05U				
	2023 Q2	0.0882	0.485				0.05U
	2023 Q4	0.0642	0.0779		0.05U	0.05U	0.05U
Lead, Dissolved, ug/L	2022 Q4				0.42	4.19	1.47
	1989 Q3		30U	30U			
Magnesium, Dissolved, mg/L	1995 Q1	21.9	11.6	5	9.48	7.04	4.37
	1995 Q4	20.6	11.2	4.85	8.83	6.93	4.69
	1996 Q2	22.2	11.8	4.93	9.62	7.22	5.54
Manganese, Dissolved, mg/L	1989 Q3		0.031	0.049			
	1989 Q4	0.008	0.013	0.026			
	1990 Q1	0.01	0.008	0.016			
	1990 Q2	0.006	0.003	0.011			
	1990 Q4		0.005	0.007			
	1991 Q1	0.008	0.003	0.005			
	1991 Q2	0.004	0.004	0.005			
	1991 Q3	0.007	0.004	0.003			
	1991 Q4	0.004	0.002	0.003			
	1992 Q1	0.005	0.002	0.002			
	1992 Q2	0.005	0.003	0.003			
	1992 Q3		0.002	0.003			
	1992 Q4	0.003	0.003				
	1993 Q1	0.008	0.002	0.003			
	1993 Q2	0.005	0.002	0.003			
	1993 Q3	0.007	0.003	0.004			
	1993 Q4	0.004	0.003	0.003	0.026	0.174	0.083
	1994 Q1	0.011	0.001	0.003	0.005	0.189	0.024
	1994 Q2	0.01	0.002	0.004	0.003	0.179	0.022
	1994 Q3		0.003	0.003		0.18	0.018
	1994 Q4	0.003	0.002	0.003	0.024	0.173	0.009
	1995 Q1	0.007	0.002	0.002	0.001U	0.176	0.017
	1995 Q2	0.014	0.001		0.001U	0.169	
	1995 Q3		0.002	0.003		0.171	0.003
	1995 Q4	0.013	0.003	0.003	0.008	0.16	0.006
	1996 Q1	0.013	0.002	0.003	0.017	0.173	0.001U
	1996 Q2	0.007	0.003	0.003	0.002	0.174	0.001U
	1996 Q3		0.003	0.004		0.176	0.001U
	1996 Q4	0.041	0.002	0.004	0.004	0.141	0.001
	1997 Q1	0.007	0.002	0.002	0.008	0.17	0.001U
	1997 Q2	0.006	0.002	0.004	0.001U	0.157	0.001U
1997 Q3	0.007	0.002	0.002	0.003	0.146	0.006	
1997 Q4	0.053	0.003	0.003	0.003	0.138	0.001U	
1998 Q1	0.007	0.002	0.002	0.009	0.154	0.001U	
1998 Q2	0.005	0.002	0.003	0.001U	0.155	0.001U	
1998 Q4	0.053	0.002	0.002	0.003	0.103	0.001U	
1999 Q2	0.014	0.001	0.003	0.001U	0.134	0.001U	
1999Q4.3	0.005	0.003	0.003	0.003	0.104	0.001U	
2000 Q2.3	0.007	0.002	0.004	0.001U	0.127	0.001U	
2000 Q4.3	0.009	0.001	0.003	0.002	0.081	0.001U	

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2001 Q2	0.032	0.002	0.003	0.001U	0.113	0.003
	2001 Q4	0.015	0.002	0.003	0.002	0.073	0.002
	2002 Q2	0.006	0.002	0.004	0.001U	0.079	0.001U
	2002 Q4	0.085	0.001U	0.004	0.001U	0.059	0.001U
	2003 Q2		0.001	0.002	0.001U	0.093	0.001U
	2003 Q4		0.001U	0.001U	0.001U	0.065	0.001U
	2004 Q2	0.241	0.001	0.002	0.001U	0.085	0.001U
	2004 Q4	0.055	0.003	0.002	0.001U	0.072	0.001U
	2005 Q2	0.008	0.011	0.002	0.001U	0.106	0.001U
	2005 Q4	0.014	0.007	0.005	0.001	0.039	0.001U
	2006 Q2		0.008		0.001U	0.085	0.001U
	2006 Q4	0.028	0.001U				0.007
	2007 Q2		0.004		0.001U	0.082	0.001U
	2007 Q4	0.008	0.014		0.001U	0.051	0.001U
	2008 Q2	0.002	0.015		0.001U	0.065	0.001U
	2008 Q4	0.004	0.005		0.001U	0.059	0.001U
	2009 Q2	0.004	0.013		0.001U		0.001U
	2009 Q4	0.012	0.025		0.001U	0.071	0.001U
	2010 Q2	0.025	0.032		0.001U	0.091	0.001U
	2010 Q4	0.005	0.02		0.001U	0.053	0.001U
	2011 Q2	0.005	0.009		0.001	0.06	0.001U
	2011 Q4	0.003	0.002		0.001U	0.049	0.001U
	2012 Q2	0.012	0.011		0.001U	0.074	0.001U
	2012 Q4	0.006	0.002		0.001U	0.016	0.001U
	2013 Q2	0.007	0.002		0.001U	0.04	0.001U
	2013 Q4	0.041	0.005		0.001U	0.024	0.001U
	2014 Q2	0.008	0.001		0.001U	0.034	0.001U
	2014 Q4	0.017	0.001		0.001U	0.032	0.001U
	2015 Q2		0.005		0.001U	0.007	0.001U
	2015 Q4		0.01		0.003	0.017	0.003
	2016 Q1	0.011					
	2016 Q2		0.006			0.01	0.001U
	2016 Q4	0.0067	0.0028			0.0325	0.002
	2017 Q2	0.0044	0.001U			0.0456	0.001U
	2017 Q4	0.0076	0.0023			0.0371	0.001U
	2018 Q2		0.0026			0.0548	0.001U
	2018 Q4	0.0193	0.0103				0.001U
	2019 Q2	0.0052	0.191				0.001U
	2019 Q4	0.0076	0.0282				0.001U
	2020 Q2	0.006	0.0093		0.001U		0.0036
	2020 Q4	0.0068	0.0086		0.004U		0.004U
	2021 Q2	0.02U	0.02U				0.02U
	2021 Q4	0.0125	0.004U				
	2022 Q2	0.0137	0.004				
	2022 Q4	0.0113	0.012				
	2023 Q2	0.0058	0.0525				0.168
	2023 Q4	0.0105	0.0188		0.004U	0.004U	0.0673
Manganese, Total, mg/L							
	2022 Q4				0.004U	0.044	0.0608
Mercury, Dissolved, mg/L							
	1989 Q3		0.1U	0.1U			

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 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Potassium, Dissolved, mg/L							
	1995 Q1	6.6	8.2	13.9	5.7	7.5	4.2
	1995 Q4	6.5	7.8	13.4	5.5	7.3	4
	1996 Q2	6.7	8.3	13.8	5.6	7.7	4.6
Selenium, Dissolved, mg/L							
	1989 Q3		5U	5U			
Silver, Dissolved, mg/L							
	1989 Q3		3U	3U			
Sodium, Dissolved, mg/L							
	1989 Q3		21.2	27.2			
	1995 Q1	17.1	20.2	27.3	17.4	22.1	49.7
	1995 Q4	16.8	19.2	26	16.1	20	40.8
	1996 Q2	17.4	20.2	26.3	18	20.4	38.3
Zinc, Dissolved, mg/L							
	1989 Q3		0.414	0.241			
	1989 Q4	0.061	0.131	0.101			
	1990 Q1	0.064	0.108	0.072			
	1990 Q2	0.047	0.081	0.05			
	1990 Q4		0.038	0.043			
	1991 Q1	0.021	0.033	0.035			
	1991 Q2	0.025	0.043	0.043			
	1991 Q3	0.018	0.022	0.037			
	1991 Q4	0.004U	0.007	0.009			
	1992 Q1	0.019	0.004	0.004			
	1992 Q2	0.022	0.005	0.034			
	1992 Q3		0.028	0.031			
	1992 Q4	0.006	0.008				
	1993 Q1	0.012	0.004U	0.004U			
	1993 Q2	0.004U	0.004U	0.014B			
	1993 Q3	0.007	0.007	0.004			
	1993 Q4	0.006	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q1	0.008	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q2	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q3		0.004U	0.004U		0.005B	0.004U
	1994 Q4	0.015	0.004U	0.004U	0.004U	0.004U	0.004U
	1995 Q1	0.008	0.004U	0.004U	0.004U	0.004U	0.004U
	1995 Q2	0.008	0.005B		0.004U	0.004U	
	1995 Q3		0.004U	0.004U		0.004U	0.004U
	1995 Q4	0.009	0.008	0.004U	0.004U	0.004U	0.004U
	1996 Q1	0.008	0.013	0.018	0.004U	0.004U	0.004U
	1996 Q2	0.007	0.01	0.016	0.004U	0.004U	0.004U
	1996 Q3		0.009	0.016		0.004U	0.004U
	1996 Q4	0.013	0.006	0.004U	0.004U	0.004U	0.004U
	1997 Q1	0.012	0.01	0.016	0.004U	0.004U	0.004U
	1997 Q2	0.012	0.012	0.015	0.004U	0.004U	0.004U
	1997 Q3	0.014	0.01	0.016	0.006	0.004U	0.009
	1997 Q4	0.009	0.008	0.014	0.004U	0.004U	0.004U
	1998 Q1	0.007	0.008	0.013	0.004U	0.004U	0.004U
	1998 Q2	0.009	0.009	0.015	0.004U	0.004U	0.004U
	1998 Q4	0.02	0.008	0.016	0.004U	0.004U	0.004U
	1999 Q2	0.011	0.009	0.017	0.004U	0.004U	0.004U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1999Q4.3	0.006	0.006U	0.016	0.006U	0.006U	0.006U
	2000 Q2.3	0.007	0.009	0.014	0.006U	0.006U	0.006U
	2000 Q4.3	0.016	0.006U	0.011	0.006U	0.007	0.006U
	2001 Q2	0.014	0.011	0.013	0.006U	0.006U	0.006U
	2001 Q4	0.016	0.009	0.013	0.006U	0.006U	0.006U
	2002 Q2	0.016	0.014	0.013	0.006U	0.006U	0.006U
	2002 Q4	0.017	0.013	0.015	0.006U	0.006U	0.006U
	2003 Q2		0.011	0.011	0.006U	0.006U	0.006U
	2003 Q4		0.01	0.01	0.006U	0.006U	0.006U
	2004 Q2	0.022	0.016	0.013	0.006U	0.006U	0.006U
	2004 Q4	0.014	0.011	0.014	0.006U	0.006U	0.006U
	2005 Q2	0.009	0.009	0.01	0.006U	0.006U	0.006U
	2005 Q4	0.012	0.006U	0.011	0.006U	0.006U	0.006U
	2006 Q2		0.01		0.006U	0.006U	0.006U
	2006 Q4	0.006U	0.006U				0.006U
	2007 Q2		0.01U		0.01U	0.01U	0.01U
	2007 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2008 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2008 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2009 Q2	0.01U	0.01U		0.01U		0.01U
	2009 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2012 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2012 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q2	0.02	0.05		0.01U	0.01U	0.01U
	2013 Q4	0.01	0.01U		0.01U	0.01U	0.01U
	2014 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2015 Q2		0.01		0.01U	0.01U	0.01U
	2015 Q4		0.01U		0.01U	0.01U	0.01U
	2016 Q1	0.004U					
	2016 Q2		0.01U			0.01U	0.01U
	2016 Q4	0.01U	0.01U			0.01U	0.01U
	2017 Q2	0.01U	0.01U			0.01U	0.01U
	2017 Q4	0.0104	0.01U			0.01U	0.01U
	2018 Q2		0.01U			0.01U	0.01U
	2018 Q4	0.0105	0.01U				0.01U
	2019 Q2	0.01U	0.01U				0.01U
	2019 Q4	0.01U	0.01U				0.01U
	2020 Q2	0.01U	0.01U		0.01U		0.01U
	2020 Q4	0.02U	0.02U		0.02U		0.02U
	2021 Q2	0.1U	0.1U				0.1U
	2021 Q4	0.02U	0.02U				
	2022 Q2	0.02	0.02U				
	2022 Q4	0.02U	0.02U				
	2023 Q2	0.02U	0.02U				0.02U
	2023 Q4	0.02U	0.0243		0.02U	0.02U	0.02U
Zinc, Total, mg/L							
	2022 Q4				0.02U	0.0261	0.0229

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
<u>Summary</u>							
2-Butanone (MEK), ug/L							
	1989 Q3		2.5U	2.5U			
	1989 Q4	5U					
	1990 Q1	5U					
	1990 Q2	5U					
	1991 Q1	7.5U					
	1991 Q2	7.5U					
	1991 Q3	5U					
	1991 Q4	5U					
	1992 Q1	5U					
	1992 Q2	5U					
	1992 Q4	5U					
	1993 Q1	5U					
	1993 Q2	5U					
	1993 Q3	5U					
	1993 Q4	5U	5U	5U	6.1	34	110
	1994 Q1	5U			56	33	6.7
	1994 Q2	5U			66	22	22
	1994 Q3					8.1	9.3
	1994 Q4	5U			54	5U	6.1
	1995 Q1	1U			23E	8.1	5
	1995 Q2	5U			24	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	8.6
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.

B - Compound found in blank.

M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	5U	5U
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				5U
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5U		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
Carbon Tetrachloride, ug/L							
	1989 Q3		0.5U	0.5U			
	1989 Q4	0.6J					
	1990 Q1	5.5					
	1990 Q2	1.2					
	1991 Q1	1M					
	1991 Q2	1.6					
	1991 Q3	3					
	1991 Q4	2.2					
	1992 Q1	1.7					
	1992 Q2	2.1M					
	1992 Q4	1.6					

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q1	1M					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1.2M			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1.3			1U	1U	1U
	1995 Q1	1.3			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Carbon, Total Organic, mg/L							
	1989 Q3		0.3	0.3			
	1989 Q4	0.5	0.3	0.3			
	1990 Q1	0.39	0.12	0.12			
	1990 Q2	0.42	0.28	0.18			
	1990 Q4		0.65	0.27			
	1991 Q1	0.24U	0.42	0.24U			
	1991 Q2	1.54U	1.54U	1.54U			
	1991 Q3	0.62U	0.57	0.24U			
	1991 Q4	0.8U	0.8U	0.8U			
	1992 Q1	0.31U	0.31U	0.56			
	1992 Q2	0.71	0.42U	0.42U			
	1992 Q3		0.15U	0.15U			
	1992 Q4	1U	1U				
	1993 Q1	1U	1U	1U			
	1993 Q2	1.01U	1.01U	1.01U			
	1993 Q3	0.6U	0.06U	0.6U			
	1993 Q4	0.27U	0.27U	0.27U	0.94	0.27U	0.29
	1994 Q1	0.21U	0.21U	0.21U	0.21U	0.21U	0.21U
	1994 Q2	1U	1U	1U	1U	1U	1U
	1994 Q3		1.5U	1.5U		1.5U	1.5U
	1994 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1995 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1995 Q2	1.5U	1.5U		1.5U	1.5U	
	1995 Q3		1.5U	1.5U		1.5U	1.5U
	1995 Q4	2.4	1.8	1.5	1.5	1.5U	1.5U
	1996 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q2	1.6	1.6	2.6	2.2	1.5U	1.6
	1996 Q3		1.5U	1.5U		1.5U	1.5U
	1996 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1997 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1998 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	1999 Q2	1.5U	1.5U	1.5U	1.9	1.5U	1.5U
	1999Q4.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2000 Q2.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2000 Q4.3	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2001 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2001 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2002 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2002 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2003 Q2		1.5U	1.5U	1.5U	1.5U	1.5U
	2003 Q4		1.5U	1.5U	1.5U	1.5U	1.5U
	2004 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2004 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2005 Q2	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2005 Q4	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
	2006 Q2		1.5U		1.5U	1.5U	1.5U
	2006 Q4	1.5U	1.5U				1.5U
	2007 Q2		1.5U		1.5U	1.5U	1.5U
	2007 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2008 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2008 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2009 Q2	1.5U	1.5U		1.5U		1.5U
	2009 Q4	3.3	2.04		1.75	2.35	3.36
	2010 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2010 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2011 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2011 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2012 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2012 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2013 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2013 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2014 Q2	1.5U	1.5U		1.5U	1.5U	1.5U
	2014 Q4	1.5U	1.5U		1.5U	1.5U	1.5U
	2015 Q2		0.5U		0.58	0.5U	1.54
	2015 Q4		0.5U		0.65	0.78	1.6
	2016 Q1	0.69					
	2016 Q2		0.5U			0.5U	1.18
	2016 Q4	0.5U	0.5U			0.5U	1.07
	2017 Q2	0.5U	0.5U			0.5U	1.2
	2017 Q4	0.5U	0.5U			0.5U	1.16
	2018 Q2		0.5U			0.5U	1.23
	2018 Q4	0.5U	0.5U				1.25
	2019 Q2	0.5U	0.5U				2.19
	2019 Q4	0.5U	0.5U				1.28
	2020 Q2	0.5U	0.5U		0.5U		2.3

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2020 Q4	0.5U	0.5U		0.5U		1.15
	2021 Q2	0.5U	0.5U				1.08
	2021 Q4	0.66	0.5				1.6
	2022 Q2	0.58	0.5U				
	2022 Q4	1	0.7		0.5U	0.76	7.32
	2023 Q2	0.78	0.5U			0.75	17.3D
	2023 Q4	0.55	0.5U		0.5U	1.06	4.17
Chemical Oxygen Demand (COD), mg/L							
	1989 Q3		8.5	5U			
	1989 Q4	5U	5U	5U			
	1990 Q1	5U	5U	5U			
	1990 Q2	5U	5U	5U			
	1991 Q1	5U	5U	5U			
	1991 Q2	8	5U	5U			
	1991 Q3	5U	5U	5U			
	1991 Q4	5U	5U	5U			
	1992 Q1	5U	7.7	5U			
	1992 Q2	5U	5U	5U			
	1992 Q3		5U	5U			
	1992 Q4	5U	5U				
	1993 Q1	5U	5U	5U			
	1993 Q2	5U	5.1	5U			
	1993 Q3	5U	5U	5U			
	1993 Q4	5U	5U	5U	5U	5U	5U
	1994 Q1	8.1	5U	5U	5.6	5.3	6.6
	1994 Q2	5U	5U	5U	6	6.7	7.1
	1994 Q3		5U	5U		6	5U
	1994 Q4	5U	5U	5U	5U	5U	5U
	1995 Q1	9.9	7.9	5.6	5U	9.2	8.2
	1995 Q2	5U	7.2		5U	5U	
	1995 Q3		5U	5U		6	5U
	1995 Q4	5.4	5U	5U	5.8	5U	5U
	1996 Q1	5U	5U	5U	5U	5U	6.8
	1996 Q2	5.9	5U	5U	5U	5U	7.3
	1996 Q3		5U	5U		5U	5U
	1996 Q4	5U	5U	5U	5U	5U	5U
	1997 Q1	5U	5U	5U	5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U	5U	5U	5U	5U	5U
	1997 Q4	5U	5U	5U	5U	5U	5U
	1998 Q1	5U	5U	5U	5U	5U	5U
	1998 Q2	5.9	5U	5U	5U	5U	5U
	1998 Q4	5U	5U	5U	5U	5U	5U
	1999 Q2	5U	5U	5U	5U	5U	5U
	1999Q4.3	5U	5U	5U	5U	7.4	5U
	2000 Q2.3	5U	5U	5U	5U	5U	5U
	2000 Q4.3	8.1	5U	5U	5U	5U	5U
	2001 Q2	5U	5U	5U	5U	5U	5U
	2001 Q4	7.9	5U	7.2	5U	5.9	5U
	2002 Q2	5U	5U	5	5U	5U	5U
	2002 Q4	5U	14	5.4	5U	5U	12
	2003 Q2		5U	5U	7.4	5U	5U
	2003 Q4		5U	5U	5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2004 Q2	5U	5U	6.88	5U	5U	5U
	2004 Q4	6.69	8.36	6.35	5.02	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	7.24	5.54	5U	5U	5.2	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5.26	5U				5U
	2007 Q2		5U		5U	5U	5.79
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	6.98
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	7.82		5U		5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	18.3
	2013 Q4	10U	10U		10U	10U	10U
	2014 Q2	10U	10U		10U	10U	10U
	2014 Q4	10U	10U		10U	13	10U
	2015 Q2		10U		10U	10U	10U
	2015 Q4		10U		10U	10U	10U
	2016 Q1	10U					
	2016 Q2		11.4			10U	14.8
	2016 Q4	10U	10U			10U	10U
	2017 Q2	10U	10U			10U	10U
	2017 Q4	10U	10U			10U	10U
	2018 Q2		10U			10U	10U
	2018 Q4	10U	10U				10U
	2019 Q2	10U	10U				10U
	2019 Q4	10U	10U				10U
	2020 Q2	10U	10U		10U		10U
	2020 Q4	10U	10U		10U		10U
	2021 Q2	10U	10U				10U
	2021 Q4	10U	10U				50U
	2022 Q2	10U	10U				
	2022 Q4	10U	10U		10U	10U	40.5
	2023 Q2	10U	10U			10U	123
	2023 Q4	10U	10U		10U	10U	50.7
Chloride, mg/L							
	1989 Q3		4.71	3.38			
	1989 Q4	10.3	3.8	2.1			
	1990 Q1	10.1	4.6	3.1			
	1990 Q2	10.1	3.4	2.7			
	1990 Q4		4.5	3			
	1991 Q1	11.3	4.3	2.3			
	1991 Q2	11.2	4.2	2.8			
	1991 Q3	11.7	4.2	2.7			
	1991 Q4	12.5	4.7	3.3			
	1992 Q1	11.3	4	2.8			
	1992 Q2	12	4.3	3.4			

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q3		5.48	4.22			
	1992 Q4	11.8	4.86				
	1993 Q1	12.1	4.76	3.44			
	1993 Q2	12.9	4.5	3.1			
	1993 Q3	13.5	4.5	3.3			
	1993 Q4	13	4.5	3.2	4.7	4.2	9.5
	1994 Q1	12.3	4.3	3	4.8	4.8	7.1
	1994 Q2	12.8	4.2	3.2	4.9	4.8	6.8
	1994 Q3		4.4	3.2		4.7	5.2
	1994 Q4	15	4.6	3.2	5	5	6.9
	1995 Q1	13	4.2	3.2	4.6	4.4	4.7
	1995 Q2	13	4.7		5	4.8	
	1995 Q3		4.6	3.3		5	5.2
	1995 Q4	12	5.1	3.9	5.9	6.3	6
	1996 Q1	13	4.9	4.4	5.4	5.4	5.5
	1996 Q2	12	4	2.7	4.4	4.5	5.6
	1996 Q3		5	3.7		5.7	5.7
	1996 Q4	13	4.3	5	3.3	4.9	4.9
	1997 Q1	12	3.8	2.7	4.4	4.6	4.1
	1997 Q2	14	4.5	3.3	5.3	5	5.2
	1997 Q3	13	4.6	3.2	5.2	4.9	6
	1997 Q4	15	4.5	3.4	5.7	5.3	5
	1998 Q1	13	4.4	3.2	5.6	5.4	4.9
	1998 Q2	14	4	2.5	4.9	4.8	5.8
	1998 Q4	16	4.7	3.3	5.3	4.6	5.7
	1999 Q2	14	4	2.9	4.8	4.3	6
	1999Q4.3	18	4.4	3.2	5.7	4.9	6.3
	2000 Q2.3	15	4.7	3.1	4.2	4.1	7
	2000 Q4.3	16	4.1	3.2	5	4.3	6.3
	2001 Q2	17	4.4	3.2	4.9	5.8	9
	2001 Q4	20	4.6	2.7	5.1	4.3	6.4
	2002 Q2	18	4.2	3	4.8	5.1	9.2
	2002 Q4	19	4.7	3.8	6	5.1	8
	2003 Q2		5.3	3.3	5.4	6.1	11
	2003 Q4		4.2	2.8	5.6	5	8.2
	2004 Q2	20.4	4.7	3.2	5.4	5.8	11.2
	2004 Q4	20.4	5	3.5	6.4	5.9	9.8
	2005 Q2	20	5	3.1	5.3	6	14.2
	2005 Q4	16.6	4.9	3.3	6.3	4.8	12.4
	2006 Q2		4.9		5.6	6	15.6
	2006 Q4	16.7	4.9				14.2
	2007 Q2		5.1		5.7	6	17.9
	2007 Q4	17.2	5.6		6.4	5.3	16.7
	2008 Q2	16	4.9		5.2	5.6	17.4
	2008 Q4	15.6	5		6	5	17
	2009 Q2	16.7	5.4		5.8		23.5
	2009 Q4	15.6	6.1		6.1	5.5	19.8
	2010 Q2	15.8	6.2		5.7	6.2	26.6
	2010 Q4	16.2	6		6.8	5.5	25.9
	2011 Q2	16	5.5		5.8	5.3	32.9
	2011 Q4	16.1	5.2		6.5	5.2	32.4
	2012 Q2	17.9	6		6.2	6.3	38.3
	2012 Q4	17.5	5.3		7.2	4.6	38.4
	2013 Q2	16.3	5.1		6.5	5.2	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2013 Q4	16.7	4.9		6.8	4.5	36.5
	2014 Q2	16.4	4.9		6.3	4.9	38.1
	2014 Q4	16.9	4.8		7	5.4	37.8
	2015 Q2		5.6		6.5	4.2	37.5
	2015 Q4		5.2		7.2	4.4	33.9
	2016 Q1	16.8					
	2016 Q4	15.6D	4.92			5.05	26.7D
	2017 Q2	15.1D	4.92			5.82	29.6D
	2017 Q4	16.5D	5.03			5.15	31.9D
	2018 Q2		5.27			6.33	29.6D
	2018 Q4	15.6D	5.24				29.7
	2019 Q2	17D	10D				29.7D
	2019 Q4	16.5D	5.74				32.1D
	2020 Q2	16.6D	4.88		7.6		31.4D
	2020 Q4	16D	4.67		7.47		28.5D
	2021 Q2	15.9	4.75				28.2D
	2021 Q4	17.9D	4.68				25.2D
	2022 Q2	18.2D	5.05				
	2022 Q4	17.3D	5.95		7.97	4.18	31.3D
	2023 Q2	17D	9.04			4.08	42.2D
	2023 Q4	17.2D	6.18		7.98	4.1	23.1D
cis-1,2-Dichloroethene, ug/L							
	1989 Q3		1.2U	1.2U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.28	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.31	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.21	0.2U	0.2U
	2015 Q4		0.2U		0.43	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.35		0.2U
	2020 Q4	0.2U	0.2U		0.44		0.2U
	2021 Q2	0.24	0.2U		0.2U		0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.53	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.55	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L							
	2016 Q4	0.87	0.2U			0.2U	0.2U
	2017 Q2	0.54	0.2U			0.2U	0.26
	2017 Q4	1.09	0.2U			0.2U	0.39
	2018 Q2		0.2U			0.2U	0.39
	2018 Q4	0.74	0.2U				0.2U
	2019 Q2	0.81	0.2U				0.38
	2019 Q4	1.1	0.2U				0.51
	2020 Q2	0.72	0.2U		0.42		0.3
	2020 Q4	0.88Q	0.2U		0.36Q		0.3Q
	2021 Q2	1	0.2U		0.2U		0.35
	2021 Q4	1.02	0.2U				0.2U
	2022 Q2	0.77Q	0.2U				
	2022 Q4	0.6	0.2U		0.38	0.2U	0.22
	2023 Q2	0.8	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.31	0.2U	0.2U
Iron, Dissolved, mg/L							
	1989 Q3		0.036	0.06			
	1989 Q4	0.058	0.025	0.086			
	1990 Q1	0.07	0.028	0.038			
	1990 Q2	0.092	0.019	0.03			
	1990 Q4		0.036	0.04			
	1991 Q1	0.066	0.018	0.024			
	1991 Q2	0.074	0.007	0.007			
	1991 Q3	0.033	0.015	0.019			
	1991 Q4	0.054	0.008	0.012			
	1992 Q1	0.035	0.012	0.01			
	1992 Q2	0.051	0.014	0.024			
	1992 Q3		0.014	0.022			
	1992 Q4	0.022	0.01				
	1993 Q1	0.031	0.014	0.015			
	1993 Q2	0.025B	0.008B	0.01B			
	1993 Q3	0.147	0.012	0.012			
	1993 Q4	0.019	0.006	0.007	0.01	0.114	0.645
	1994 Q1	0.064	0.012	0.013	0.005U	0.119	0.069
	1994 Q2	0.042	0.008	0.011	0.006	0.155	0.051
	1994 Q3		0.008	0.008		0.243	0.005U
	1994 Q4	0.03	0.01U	0.01U	0.01U	0.24	0.01U
	1995 Q1	0.07	0.01U	0.01	0.01U	0.23	0.1
	1995 Q2	0.05	0.01		0.01U	0.21	
	1995 Q3		0.01U	0.01U		0.17	0.01
	1995 Q4	0.1	0.02	0.01U	0.01U	0.22	0.07
	1996 Q1	0.03	0.01	0.02	0.01U	0.22	0.02
	1996 Q2	0.03	0.02	0.03	0.01U	0.2	0.02
	1996 Q3		0.02U	0.02U		0.2	0.02U
	1996 Q4	0.1	0.02	0.02	0.02U	0.22	0.1
	1997 Q1	0.02U	0.02	0.02	0.02U	0.25	0.04
	1997 Q2	0.03	0.02U	0.06	0.02U	0.21	0.07

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q3	0.02	0.02U	0.03	0.02	0.19	0.06
	1997 Q4	0.06	0.02U	0.02	0.02U	0.2	0.02
	1998 Q1	0.02	0.02U	0.03	0.02U	0.22	0.03
	1998 Q2	0.02U	0.02U	0.02U	0.02U	0.21	0.03
	1998 Q4	0.43	0.02U	0.02U	0.02U	0.14	0.02U
	1999 Q2	0.14	0.02U	0.02U	0.02U	0.18	0.02U
	1999Q4.3	0.03	0.02U	0.03	0.02U	0.15	0.02U
	2000 Q2.3	0.03	0.02U	0.02U	0.02U	0.18	0.02U
	2000 Q4.3	0.05	0.02	0.02U	0.02U	0.12	0.02U
	2001 Q2	0.15	0.02U	0.02U	0.02U	0.14	0.06
	2001 Q4	0.37	0.05U	0.05U	0.05U	0.09	0.05U
	2002 Q2	0.07	0.05U	0.05U	0.05U	0.09	0.05U
	2002 Q4	0.07	0.05U	0.05U	0.05U	0.08	0.05U
	2003 Q2		0.05U	0.05U	0.05U	0.14	0.05U
	2003 Q4		0.05U	0.05U	0.05U	0.08	0.05U
	2004 Q2	0.22	0.05U	0.05U	0.05U	0.13	0.05U
	2004 Q4	0.08	0.05U	0.05U	0.05U	0.09	0.05U
	2005 Q2	0.08	0.08	0.05U	0.05U	0.16	0.05U
	2005 Q4	0.08	0.05U	0.05U	0.05U	0.05	0.05U
	2006 Q2		0.05U		0.05U	0.11	0.05U
	2006 Q4	0.06	0.05U				0.05U
	2007 Q2		0.05U		0.05U	0.11	0.05U
	2007 Q4	0.05U	0.05U		0.05U	0.06	0.05U
	2008 Q2	0.05U	0.06		0.05U	0.09	0.05U
	2008 Q4	0.05U	0.05U		0.05U	0.08	0.05U
	2009 Q2	0.05U	0.13		0.05U		0.05U
	2009 Q4	0.07	0.1		0.05U	0.13	0.05U
	2010 Q2	0.1	0.2		0.05U	0.15	0.05U
	2010 Q4	0.06	0.08		0.05U	0.08	0.05U
	2011 Q2	0.05	0.05U		0.05U	0.08	0.05U
	2011 Q4	0.05U	0.05U		0.05U	0.07	0.05U
	2012 Q2	0.12	0.05U		0.05U	0.1	0.05U
	2012 Q4	0.05	0.05U		0.05U	0.05U	0.05U
	2013 Q2	0.06	0.05U		0.05U	0.05U	0.05U
	2013 Q4	0.57	0.06		0.05U	0.05U	0.05U
	2014 Q2	0.07	0.05U		0.05U	0.05U	0.05U
	2014 Q4	0.14	0.05U		0.05U	0.05U	0.05U
	2015 Q2		0.05U		0.05U	0.05U	0.05U
	2015 Q4		0.05U		0.05U	0.05U	0.05U
	2016 Q1	0.04U					
	2016 Q2		0.05U			0.05U	0.05U
	2016 Q4	0.05U	0.05U			0.05U	0.05U
	2017 Q2	0.0582	0.05U			0.0611	0.05U
	2017 Q4	0.0759	0.05U			0.0541	0.05U
	2018 Q2		0.05U			0.0696	0.05U
	2018 Q4	0.129	0.05U				0.05U
	2019 Q2	0.0754	0.146				0.05U
	2019 Q4	0.124	0.05U				0.05U
	2020 Q2	0.119	0.05U		0.0994		0.0575
	2020 Q4	0.124	0.05U		0.05U		0.05U
	2021 Q2	0.25U	0.25U				0.25U
	2021 Q4	0.108	0.05U				
	2022 Q2	0.168	0.05U				
	2022 Q4	0.146	0.05U				

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2023 Q2	0.0882	0.485				0.05U
	2023 Q4	0.0642	0.0779		0.05U	0.05U	0.05U
Manganese, Dissolved, mg/L							
	1989 Q3		0.031	0.049			
	1989 Q4	0.008	0.013	0.026			
	1990 Q1	0.01	0.008	0.016			
	1990 Q2	0.006	0.003	0.011			
	1990 Q4		0.005	0.007			
	1991 Q1	0.008	0.003	0.005			
	1991 Q2	0.004	0.004	0.005			
	1991 Q3	0.007	0.004	0.003			
	1991 Q4	0.004	0.002	0.003			
	1992 Q1	0.005	0.002	0.002			
	1992 Q2	0.005	0.003	0.003			
	1992 Q3		0.002	0.003			
	1992 Q4	0.003	0.003				
	1993 Q1	0.008	0.002	0.003			
	1993 Q2	0.005	0.002	0.003			
	1993 Q3	0.007	0.003	0.004			
	1993 Q4	0.004	0.003	0.003	0.026	0.174	0.083
	1994 Q1	0.011	0.001	0.003	0.005	0.189	0.024
	1994 Q2	0.01	0.002	0.004	0.003	0.179	0.022
	1994 Q3		0.003	0.003		0.18	0.018
	1994 Q4	0.003	0.002	0.003	0.024	0.173	0.009
	1995 Q1	0.007	0.002	0.002	0.001U	0.176	0.017
	1995 Q2	0.014	0.001		0.001U	0.169	
	1995 Q3		0.002	0.003		0.171	0.003
	1995 Q4	0.013	0.003	0.003	0.008	0.16	0.006
	1996 Q1	0.013	0.002	0.003	0.017	0.173	0.001U
	1996 Q2	0.007	0.003	0.003	0.002	0.174	0.001U
	1996 Q3		0.003	0.004		0.176	0.001U
	1996 Q4	0.041	0.002	0.004	0.004	0.141	0.001
	1997 Q1	0.007	0.002	0.002	0.008	0.17	0.001U
	1997 Q2	0.006	0.002	0.004	0.001U	0.157	0.001U
	1997 Q3	0.007	0.002	0.002	0.003	0.146	0.006
	1997 Q4	0.053	0.003	0.003	0.003	0.138	0.001U
	1998 Q1	0.007	0.002	0.002	0.009	0.154	0.001U
	1998 Q2	0.005	0.002	0.003	0.001U	0.155	0.001U
	1998 Q4	0.053	0.002	0.002	0.003	0.103	0.001U
	1999 Q2	0.014	0.001	0.003	0.001U	0.134	0.001U
	1999Q4.3	0.005	0.003	0.003	0.003	0.104	0.001U
	2000 Q2.3	0.007	0.002	0.004	0.001U	0.127	0.001U
	2000 Q4.3	0.009	0.001	0.003	0.002	0.081	0.001U
	2001 Q2	0.032	0.002	0.003	0.001U	0.113	0.003
	2001 Q4	0.015	0.002	0.003	0.002	0.073	0.002
	2002 Q2	0.006	0.002	0.004	0.001U	0.079	0.001U
	2002 Q4	0.085	0.001U	0.004	0.001U	0.059	0.001U
	2003 Q2		0.001	0.002	0.001U	0.093	0.001U
	2003 Q4		0.001U	0.001U	0.001U	0.065	0.001U
	2004 Q2	0.241	0.001	0.002	0.001U	0.085	0.001U
	2004 Q4	0.055	0.003	0.002	0.001U	0.072	0.001U
	2005 Q2	0.008	0.011	0.002	0.001U	0.106	0.001U
	2005 Q4	0.014	0.007	0.005	0.001	0.039	0.001U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q2		0.008		0.001U	0.085	0.001U
	2006 Q4	0.028	0.001U				0.007
	2007 Q2		0.004		0.001U	0.082	0.001U
	2007 Q4	0.008	0.014		0.001U	0.051	0.001U
	2008 Q2	0.002	0.015		0.001U	0.065	0.001U
	2008 Q4	0.004	0.005		0.001U	0.059	0.001U
	2009 Q2	0.004	0.013		0.001U		0.001U
	2009 Q4	0.012	0.025		0.001U	0.071	0.001U
	2010 Q2	0.025	0.032		0.001U	0.091	0.001U
	2010 Q4	0.005	0.02		0.001U	0.053	0.001U
	2011 Q2	0.005	0.009		0.001	0.06	0.001U
	2011 Q4	0.003	0.002		0.001U	0.049	0.001U
	2012 Q2	0.012	0.011		0.001U	0.074	0.001U
	2012 Q4	0.006	0.002		0.001U	0.016	0.001U
	2013 Q2	0.007	0.002		0.001U	0.04	0.001U
	2013 Q4	0.041	0.005		0.001U	0.024	0.001U
	2014 Q2	0.008	0.001		0.001U	0.034	0.001U
	2014 Q4	0.017	0.001		0.001U	0.032	0.001U
	2015 Q2		0.005		0.001U	0.007	0.001U
	2015 Q4		0.01		0.003	0.017	0.003
	2016 Q1	0.011					
	2016 Q2		0.006			0.01	0.001U
	2016 Q4	0.0067	0.0028			0.0325	0.002
	2017 Q2	0.0044	0.001U			0.0456	0.001U
	2017 Q4	0.0076	0.0023			0.0371	0.001U
	2018 Q2		0.0026			0.0548	0.001U
	2018 Q4	0.0193	0.0103				0.001U
	2019 Q2	0.0052	0.191				0.001U
	2019 Q4	0.0076	0.0282				0.001U
	2020 Q2	0.006	0.0093		0.001U		0.0036
	2020 Q4	0.0068	0.0086		0.004U		0.004U
	2021 Q2	0.02U	0.02U				0.02U
	2021 Q4	0.0125	0.004U				
	2022 Q2	0.0137	0.004				
	2022 Q4	0.0113	0.012				
	2023 Q2	0.0058	0.0525				0.168
	2023 Q4	0.0105	0.0188		0.004U	0.004U	0.0673
Methyl tert-Butyl Ether, ug/L							
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value.

B - Compound found in blank.

M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Nitrate, mg/L as N							
	1989 Q3		0.21	0.16			
	1989 Q4	2.177	0.239	0.194			
	1990 Q1	2.035	0.238	0.197			
	1990 Q2	2.656	0.256	0.202			
	1990 Q4		0.245	0.227			
	1991 Q1	2.32	0.263	0.208			
	1991 Q2	2.38	0.214	0.205			
	1991 Q3	2.41	0.0289	0.225			
	1991 Q4	2.77	0.269	0.206			
	1992 Q1	2.56	0.243	0.199			
	1992 Q2	2.58	0.279	0.218			
	1992 Q3		0.337	0.238			
	1992 Q4	2.59	0.246				
	1993 Q1	2.4	0.25	0.2			
	1993 Q2	0.082	0.267	0.223			
	1993 Q3	2.62	0.29	0.206			
	1993 Q4	2.79	0.252	0.205	0.058	0.01U	0.548
	1994 Q1	2.74	0.313	0.218	0.248	0.027	0.244
	1994 Q2	3.35	0.264	0.212	0.075	0.01U	0.177
	1994 Q3		0.27	0.2		0.01U	0.17
	1994 Q4	3.2	0.28	0.26	0.99	0.016	0.18
	1995 Q1	2.8	0.26	0.22	0.29	0.01U	0.21
	1995 Q2	4.5	0.3		0.36	0.029	
	1995 Q3		0.26	0.22		0.015	0.2
	1995 Q4	6.5	0.31	0.24	0.018	0.04	0.21
	1996 Q1	2.8	0.26	0.2	0.01U	0.01U	0.2
	1996 Q2	5.5	0.26	0.19	0.23	0.01U	0.21
	1996 Q3		0.25	0.19		0.01	0.23
	1996 Q4	2.6	0.25	0.01U	0.2	0.01U	0.16
	1997 Q1	3.8	0.29	0.22	0.02	0.01U	0.01U
	1997 Q2	3.1	0.29	0.22	0.51	0.01U	0.27
	1997 Q3	3	0.27	0.21	0.49	0.01U	0.26
	1997 Q4	7	0.28	0.23	0.01U	0.01U	0.21
	1998 Q1	3.4	0.28	0.23	0.018	0.01U	0.23
	1998 Q2	3.1	0.28	0.21	0.042	0.01U	0.36
	1998 Q4	2.4	0.24	0.19	0.01U	0.01U	0.24
	1999 Q2	3.8	0.28	0.22	0.55	0.01	0.43
	1999Q4.3	3.4	0.27	0.22	0.01U	0.01U	0.26
	2000 Q2.3	3.6J	0.26J	0.21J	0.36J	UJ	0.52J
	2000 Q4.3	3.7	0.3	0.23	0.01U	0.01U	0.39
	2001 Q2	2.5	0.3	0.21	0.52		0.75
	2001 Q4	3.5	0.31	0.24	0.01U	0.01U	0.48
	2002 Q2	3.3	0.3	0.21	0.61	0.01U	0.74
	2002 Q4	2.7	0.26	0.21	0.01	0.011	0.52
	2003 Q2		0.29	0.2	0.57	0.01U	0.9
	2003 Q4		0.29	0.2	0.01U	0.01U	0.7
	2004 Q2	3.27	0.272	0.185	0.574	0.01U	0.93
	2004 Q4	3.47	0.285	0.2	0.01U	0.01U	0.876
	2005 Q2	3.18	0.287	0.204	0.672	0.01U	1.48
	2005 Q4	3.05	0.283	0.196	0.01U	0.01U	1.31
	2006 Q2		0.286		0.69	0.01U	1.67
	2006 Q4	3.11	0.311				1.61

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2007 Q2		0.278		0.194	0.01U	1.9
	2007 Q4	2.51	0.257		0.01U	0.01U	1.87
	2008 Q2	2.49J	0.277J		0.569J	UJ	1.87J
	2008 Q4	2.53	0.299		0.012	0.01U	1.98
	2009 Q2	2.42	0.29		0.573		2.48
	2009 Q4	2.4	0.4		0.1U	0.1U	2.3
	2010 Q2	2.23	0.287		0.461	0.01U	2.77
	2010 Q4	2.15	0.289		0.014	0.01U	2.59
	2011 Q2	1.71	0.342		0.438	0.01U	3.29
	2011 Q4	2.11	0.29		0.011	0.01U	3.06
	2012 Q2	1.69	0.317		0.474	0.01U	3.55
	2012 Q4	1.95	0.262		0.01U	0.01U	3.3
	2013 Q2	1.61	0.272		0.268	0.01U	3.43
	2013 Q4	2.06	0.301		0.01U	0.01U	3.41
	2014 Q2	1.24	0.26		0.294	0.01U	3.38
	2014 Q4	2.13	0.289		0.01U	0.01U	3.22
	2015 Q2		0.308		0.671	0.01U	3.16
	2015 Q4		0.287		0.01U	0.01U	2.68
	2016 Q1	2.29					
	2016 Q2		0.27			0.01U	2.38
	2016 Q4	1.9	0.283			0.02U	2
	2017 Q2	2.08	0.27			0.02U	2.2
	2017 Q4	1.93H	0.279H			0.02U	2.23H
	2018 Q2		0.276			0.02U	2.19
	2018 Q4	1.44	0.28				2.32
	2019 Q2	1.82H	0.294H				222
	2019 Q4	2.03	0.32				2.58
	2020 Q2	1.59	0.295		0.743		1.94
	2020 Q4	1.92	0.29		0.0581		2.07
	2021 Q2	1.69	0.301				1.86
	2021 Q4	2.29H	0.323H				1.76H
	2022 Q2	1.86H	0.307H				
	2022 Q4	2.12H	0.02UH		0.02U	0.02U	0.851
	2023 Q2	1.92H	0.384H			0.02U	0.0378H
	2023 Q4	1.76H	0.39H		UH	UH	0.735H
Nitrite, mg/L as N							
	1989 Q3		0.012	0.009			
	1989 Q4	0.003	0.005	0.004			
	1990 Q1	0.005U	0.005U	0.005U			
	1990 Q2	0.01U	0.01U	0.01U			
	1990 Q4		0.01U	0.01U			
	1991 Q1	0.01U	0.01U	0.01U			
	1991 Q2	0.01U	0.01U	0.01U			
	1991 Q3	0.01U	0.01U	0.01U			
	1991 Q4	0.01U	0.01U	0.01U			
	1992 Q1	0.01U	0.01U	0.01U			
	1992 Q2	0.01U	0.01U	0.01U			
	1992 Q3		0.01U	0.01U			
	1992 Q4	0.01U	0.01U				
	1993 Q1	0.01U	0.01U	0.015			
	1993 Q2	0.01U	0.01U	0.01U			
	1993 Q3	0.01U	0.01U	0.01U			
	1993 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.109

* CONF = Confluent growth on all dilutions, no coliforms.

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1994 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1994 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.036
	1994 Q3		0.01U	0.013		0.01U	0.04
	1994 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.027
	1995 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.015
	1995 Q2	0.011	0.01U		0.01U	0.01U	
	1995 Q3		0.01U	0.01U		0.01U	0.017
	1995 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1996 Q1	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1996 Q2	0.012	0.01U	0.01U	0.01U	0.01U	0.045
	1996 Q3		0.01U	0.01		0.01U	0.024
	1996 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.018
	1997 Q1	0.014	0.01U	0.01U	0.01U	0.01U	0.036
	1997 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1997 Q3	0.01U	0.01U	0.01U	0.01U	0.01U	0.027
	1997 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1998 Q1	0.011	0.01	0.01U	0.01U	0.01	0.012
	1998 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1998 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1999 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	1999Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2000 Q2.3	UJ	UJ	UJ	UJ	UJ	UJ
	2000 Q4.3	0.01U	0.01U	0.01U	0.01U	0.01U	0.01
	2001 Q2	0.01U	0.01U	0.01U	0.014	0.01U	0.01U
	2001 Q4	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2002 Q2	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
	2002 Q4	0.049	0.01U	0.01U	0.01U	0.01U	0.01
	2003 Q2		0.01U	0.01U	0.01U	0.01U	0.01U
	2003 Q4		0.01U	0.01U	0.027	0.01U	0.01U
	2004 Q2	0.011	0.01U	0.01U	0.01U	0.01U	0.01U
	2004 Q4	0.018	0.01U	0.01U	0.01U	0.01U	0.01U
	2005 Q2	0.015	0.01U	0.01U	0.01U	0.01U	0.01U
	2005 Q4	0.014	0.01U	0.01U	0.01U	0.01U	0.01U
	2006 Q2		0.01U		0.01U	0.01U	0.01U
	2006 Q4	0.022	0.01U				0.013
	2007 Q2		0.01U		0.01U	0.01U	0.015
	2007 Q4	0.012	0.025		0.01U	0.01U	0.01U
	2008 Q2	0.022	0.01U		0.01U	0.01U	0.019
	2008 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2009 Q2	0.01U	0.01U		0.01U		0.01U
	2009 Q4	0.1U	0.1U		0.1U	0.1U	0.1U
	2010 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q4	0.016	0.01U		0.01U	0.01U	0.02
	2012 Q2	0.014	0.01U		0.01U	0.01U	0.022
	2012 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2015 Q2		0.01U		0.01U	0.01U	0.01U
	2015 Q4		0.01U		0.01U	0.01U	0.01U
	2016 Q1	0.01U					

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2016 Q2		0.01U			0.01U	0.01U
	2016 Q4	0.01U	0.01U			0.01U	0.01U
	2017 Q2	0.01U	0.01U			0.01U	0.01U
	2017 Q4	0.01U	0.01U			0.01U	0.01U
	2018 Q2		0.01H			0.01H	0.01H
	2018 Q4	0.01U	0.01U				UH
	2019 Q2	UH	0.015H				0.01U
	2019 Q4	0.01U	0.015				0.01U
	2020 Q2	0.01U	0.01U		0.01U		0.01U
	2020 Q4	0.01U	0.01U		0.01U		0.01U
	2021 Q2	0.01U	0.013				0.01U
	2021 Q4	0.014H	0.015H				0.011H
	2022 Q2	0.015H	UH				
	2022 Q4	0.01UH	0.01UH		0.01U	0.01U	0.01U
	2023 Q2	UH	UH			0.01U	UH
	2023 Q4	UH	UH		UH	UH	UH
Sulfate, mg/L							
	1989 Q3		62.9	16.3			
	1989 Q4	141.4	76.8	16.1			
	1990 Q1	146.7	67.4	16			
	1990 Q2	163.1	64.9	15.5			
	1990 Q4		63.7	12.6			
	1991 Q1	135	62.3	15.3			
	1991 Q2	170	65	15.9			
	1991 Q3	193.7	62.8	18.5			
	1991 Q4	36.1	27.9	8.6			
	1992 Q1	159.2	16.6	68.4			
	1992 Q2	161.8	66.6	15.7			
	1992 Q3		64.7	14.8			
	1992 Q4	138	67.4				
	1993 Q1	148	65.8	16.5			
	1993 Q2	161	65.8	16.1			
	1993 Q3	171	65	16.6			
	1993 Q4	138	72.4	17.3	29.3	31.8	141
	1994 Q1	157	73	17.4	26	30.4	38
	1994 Q2	184	70.9	16.4	30.9	34.5	38.1
	1994 Q3		68	16		33	34
	1994 Q4	150	65	16	28	32	34
	1995 Q1	150	63	15	28	31	36
	1995 Q2	130	62		30	34	
	1995 Q3		62	17		33	35
	1995 Q4	130	60	13	29	32	34
	1996 Q1	180	65	16	29	32	33
	1996 Q2	140	63	16	28	31	34
	1996 Q3		67	17		32	34
	1996 Q4	120	62	30	18	31	32
	1997 Q1	120	61	17	29	31	31
	1997 Q2	150	64	16	31	35	33
	1997 Q3	140	68	18	30	32	34
	1997 Q4	120	65	16	31	31	29
	1998 Q1	120	69	18	32	32	32
	1998 Q2	130	68	14	34	35	31
	1998 Q4	120	70	17	36	33	35

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1999 Q2	130	66	16	33	36	32
	1999Q4.3	99	65	18	34	32	32
	2000 Q2.3	140	76	20	35	38	38
	2000 Q4.3	110J	69J	19J	36J	33J	35J
	2001 Q2	99	67	16	33	34	34
	2001 Q4	89	64	15	35	32	35
	2002 Q2	130	66	12	29	31	30
	2002 Q4	110	67	17	35	31	32
	2003 Q2		58	15	30	33	32
	2003 Q4		65	16	34	32	34
	2004 Q2	120	66.5	16.2	30.9	37.3	37
	2004 Q4	86.5	55.9	15.2	32.8	30.6	34
	2005 Q2	124	65.8	15.4	28.8	35.4	38
	2005 Q4	93.1	52.7	14.2	35.4	28.1	38.1
	2006 Q2		66.1		29.4	35.5	43.2
	2006 Q4	99	62.6				40.2
	2007 Q2		57		33.9	34.3	47.5
	2007 Q4	98.2	61.5		38.1	33.7	52.7
	2008 Q2	117	68.3		31.3	32.6	52.6
	2008 Q4	96.3	63.1		38.3	33.5	44.6
	2009 Q2	122	65.9		32.1		54.2
	2009 Q4	93.3	70.1		36.9	34	59.3
	2010 Q2	89.4	19.1		34.1	39.5	26.8
	2010 Q4	78.8	61		37.2	33.9	54
	2011 Q2	100	64.1		30.2	32.4	66.3
	2011 Q4	87.3	67.3		38.1	34.7	67.9
	2012 Q2	117	68.2		31.1	36.5	83.8
	2012 Q4	102	74.4		40.9	27.6	86.2
	2013 Q2	102	70.5		34.1	31.3	88.4
	2013 Q4	88.9	67.9		36.4	27.6	83.9
	2014 Q2	109	69.2		32.6	28.5	91.5
	2014 Q4	88.3	76.6		38.1	29.2	91.4
	2015 Q2		68.9		28.2	25.4	80
	2015 Q4		65.1		36.2	27.1	88
	2016 Q1	86.2					
	2016 Q4	69.2D	69.9			29D	80.1D
	2017 Q2	90.2D	73.3D			35.1D	90.7D
	2017 Q4	82.6D	74.9D			30.9D	95.1D
	2018 Q2		78.7D			33.5D	87.9D
	2018 Q4	66.7D	57.9D				79.6D
	2019 Q4	75.5D	72.5D				87D
	2020 Q2	90D	70.5D		26.3		77.5D
	2020 Q4	74.5D	71.5D		32		86.5D
	2021 Q2	95.5D	75D				87.5D
	2021 Q4	79.2D	83.2D				83.4D
	2022 Q2	82.5D	83D				
	2022 Q4	75.2D	85.5D		36.2D	25	50.1D
	2023 Q2	87D	88D			26.8D	27.4D
	2023 Q4	78D	84.6D		33.6D	25.8	94.9D
Tetrachloroethene (PCE), ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	12					
	1990 Q1	46					

* CONF = Confluent growth on all dilutions, no coliforms.

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J - Estimated value.

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M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1990 Q2	26					
	1991 Q1	27					
	1991 Q2	31					
	1991 Q3	31					
	1991 Q4	31					
	1992 Q1	26					
	1992 Q2	40					
	1992 Q4	30					
	1993 Q1	15					
	1993 Q2	18					
	1993 Q3	11					
	1993 Q4	27	1U	1U	1U	1U	1U
	1994 Q1	17			1.9	1U	1U
	1994 Q2	12			3.8	1U	26
	1994 Q3					1U	1U
	1994 Q4	30			2.4	1U	1U
	1995 Q1	21E			3.7	0.2U	0.2U
	1995 Q2	9.2			4.5	1U	
	1995 Q3					1U	1U
	1995 Q4	16	1U	1U	3.8	1U	1U
	1996 Q1	9.8			4.6	1U	1U
	1996 Q2	9.9	1U	1U	6.9	1U	1U
	1996 Q3					1U	1U
	1996 Q4	10			5.8	1U	1U
	1997 Q1	6.4			5.2	1U	1U
	1997 Q2	5.1	1U	1U	5.4	1U	1U
	1997 Q3	7.1			8	1U	1U
	1997 Q4	3.5			8.6	1U	1U
	1998 Q1	5.3			7.2	1U	1U
	1998 Q2	5.4	1U	1U	7.2	1U	1U
	1998 Q4	20			8.8	1U	1U
	1999 Q2	350	1U	1U	9.4	1U	1U
	1999Q4.3	3.7			9.3	1U	1U
	2000 Q2.3	6			6.8	1U	1U
	2000 Q4.3	7.5			8.6	1U	1U
	2001 Q2	8.7			6.1	1U	1U
	2001 Q4	12			6.9	1U	1U
	2002 Q2	9.7	1U	1U	6.5	1U	1U
	2002 Q4	11	1U	1U	5.8	1U	1U
	2003 Q2		1U	1U	9.1	1U	1U
	2003 Q4		1U	1U	7.4	1U	1U
	2004 Q2	14	1U	1U	7.6	1U	1U
	2004 Q4	14	1U	1U	6.1	1U	1U
	2005 Q2	14	1U	1U	7.5	1U	1U
	2005 Q4	7.1	1U	1U	6.1	1U	1U
	2006 Q2		1U		11	1U	1U
	2006 Q4	6	1U				1U
	2007 Q2		1U		7.6	1U	1U
	2007 Q4	5	1U		7.8	1U	1U
	2008 Q2	7.4	1U		7.2	1U	1U
	2008 Q4	6.4	1U		8.5	1U	1U
	2009 Q2	5.8	1U		9		1
	2009 Q3						1U
	2009 Q4	5	1U		7.2	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010 Q2	9.2	1U		9.2	1U	1.5
	2010 Q4	9.6	1U		7.2	1U	1.2
	2010-Q2.5						1.5
	2011 Q2	12	1U		7.9	1U	12
	2011 Q4	12	1U		7.1	1U	2.2
	2012 Q2	12	0.2U		8.6	0.2U	3.4
	2012 Q4	13	1U		6.4	1U	3
	2013 Q2	12	0.2U		8.2	0.2U	3.4
	2013 Q4	11	0.2U		7.8	0.2U	3
	2014 Q2	13	0.2U		8.2	0.2U	3.2
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	14	0.2U		6.7	0.2U	3
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		9.2	0.2U	4
	2015 Q4		0.2U		7.5	0.2U	3
	2016 Q1	8.6					
	2016 Q2		0.2U			0.2U	3.2
	2016 Q4	7.27	0.2U			0.2U	1.64
	2017 Q2	8.49	0.2U			0.2U	2.69
	2017 Q4	11.1	0.2U			0.2U	2.57
	2018 Q2		0.2U			0.2U	2.84
	2018 Q4	12.8	0.2U				3.57
	2019 Q2	12.7	0.2U				2.7
	2019 Q4	11.8	0.2U				3.83
	2020 Q2	10.9	0.2U		5.93		2.63
	2020 Q4	14.2	0.2U		1.8		2.43
	2021 Q2	17	0.2U		1.16		3.11
	2021 Q4	14.1	0.2U				1.73
	2022 Q2	12	0.2U				
	2022 Q4	11.3	0.2U		2.34	0.2U	0.97
	2023 Q2	8.65	0.2U			0.2U	0.49
	2023 Q4	4.46	0.2U		3.83	0.2U	1.33
Trichloroethene (TCE), ug/L							
	1989 Q3		0.8U	0.8U			
	1989 Q4	0.3M					
	1990 Q1	1.4					
	1990 Q2	0.9J					
	1991 Q1	1.2M					
	1991 Q2	1.1					
	1991 Q3	0.8J					
	1991 Q4	0.8J					
	1992 Q1	1U					
	1992 Q2	1.4					
	1992 Q4	1.2					
	1993 Q1	1U					
	1993 Q2	1.1					
	1993 Q3	1U					
	1993 Q4	1.6	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1.1
	1994 Q3					1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1994 Q4	1.5			1U	1U	1U
	1995 Q1	0.4			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.4	0.2U		0.4	0.2U	0.2
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.49	0.2U		0.41	0.2U	0.27
	2013 Q4	0.47	0.2U		0.38	0.2U	0.24
	2014 Q2	0.6	0.2U		0.45	0.2U	0.3
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.7	0.2U		0.61	0.2U	0.22
	2014 Q4.1						
	2014 Q4.2						

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2015 Q2		0.2U		0.44	0.2U	0.29
	2015 Q4		0.2U		0.73	0.2U	0.2
	2016 Q1	0.45					
	2016 Q2		0.2U			0.2U	0.25
	2016 Q4	0.3	0.2U			0.2U	0.2U
	2017 Q2	0.45	0.2U			0.2U	0.2U
	2017 Q4	0.58	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.21
	2018 Q4	0.61	0.2U				0.22
	2019 Q2	0.62	0.2U				0.24
	2019 Q4	0.67	0.2U				0.28
	2020 Q2	0.75	0.2U		0.59		0.2U
	2020 Q4	0.9	0.2U		0.46		0.2U
	2021 Q2	0.89	0.2U		0.2U		0.23
	2021 Q4	0.72	0.2U				0.2U
	2022 Q2	0.66	0.2U				
	2022 Q4	0.59	0.2U		0.67	0.2U	0.2U
	2023 Q2	0.53	0.2U			0.2U	0.2U
	2023 Q4	0.31	0.2U		0.82	0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L							
	1989 Q3		1U	1U			
	1989 Q4	1U					
	1990 Q1	1.2					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1J					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	2.1			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.5	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.73	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.45	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.79	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.35					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.29	0.2U			0.2U	0.2U
	2017 Q2	0.21	0.2U			0.2U	0.2U
	2017 Q4	0.4	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.27	0.2U				0.2U
	2019 Q2	0.32	0.2U				0.2U
	2019 Q4	0.29	0.2U				0.2U
	2020 Q2	0.24	0.2U		0.2U		0.2U
	2020 Q4	0.37Q	0.2U		0.2U		0.2U
	2021 Q2	0.35	0.2U		0.2U		0.2U
	2021 Q4	0.29	0.2U				0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

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Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.24	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	1989 Q3		1.1U	1.1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	3U					
	1991 Q2	3U					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
2002 Q2	1U	1U	1U	1U	1U	1U	
2002 Q4	1U	1U	1U	1U	1U	1U	
2003 Q2		1U	1U	1U	1U	1U	
2003 Q4		1U	1U	1U	1U	1U	
2004 Q2	1U	1U	1U	1U	1U	1U	
2004 Q4	1U	1U	1U	1U	1U	1U	
2005 Q2	1U	1U	1U	1U	1U	1U	
2005 Q4	1U	1U	1U	1U	1U	1U	

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Zinc, Dissolved, mg/L							
	1989 Q3		0.414	0.241			
	1989 Q4	0.061	0.131	0.101			
	1990 Q1	0.064	0.108	0.072			
	1990 Q2	0.047	0.081	0.05			
	1990 Q4		0.038	0.043			
	1991 Q1	0.021	0.033	0.035			
	1991 Q2	0.025	0.043	0.043			
	1991 Q3	0.018	0.022	0.037			
	1991 Q4	0.004U	0.007	0.009			

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q1	0.019	0.004	0.004			
	1992 Q2	0.022	0.005	0.034			
	1992 Q3		0.028	0.031			
	1992 Q4	0.006	0.008				
	1993 Q1	0.012	0.004U	0.004U			
	1993 Q2	0.004U	0.004U	0.014B			
	1993 Q3	0.007	0.007	0.004			
	1993 Q4	0.006	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q1	0.008	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q2	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
	1994 Q3		0.004U	0.004U		0.005B	0.004U
	1994 Q4	0.015	0.004U	0.004U	0.004U	0.004U	0.004U
	1995 Q1	0.008	0.004U	0.004U	0.004U	0.004U	0.004U
	1995 Q2	0.008	0.005B		0.004U	0.004U	
	1995 Q3		0.004U	0.004U		0.004U	0.004U
	1995 Q4	0.009	0.008	0.004U	0.004U	0.004U	0.004U
	1996 Q1	0.008	0.013	0.018	0.004U	0.004U	0.004U
	1996 Q2	0.007	0.01	0.016	0.004U	0.004U	0.004U
	1996 Q3		0.009	0.016		0.004U	0.004U
	1996 Q4	0.013	0.006	0.004U	0.004U	0.004U	0.004U
	1997 Q1	0.012	0.01	0.016	0.004U	0.004U	0.004U
	1997 Q2	0.012	0.012	0.015	0.004U	0.004U	0.004U
	1997 Q3	0.014	0.01	0.016	0.006	0.004U	0.009
	1997 Q4	0.009	0.008	0.014	0.004U	0.004U	0.004U
	1998 Q1	0.007	0.008	0.013	0.004U	0.004U	0.004U
	1998 Q2	0.009	0.009	0.015	0.004U	0.004U	0.004U
	1998 Q4	0.02	0.008	0.016	0.004U	0.004U	0.004U
	1999 Q2	0.011	0.009	0.017	0.004U	0.004U	0.004U
	1999Q4.3	0.006	0.006U	0.016	0.006U	0.006U	0.006U
	2000 Q2.3	0.007	0.009	0.014	0.006U	0.006U	0.006U
	2000 Q4.3	0.016	0.006U	0.011	0.006U	0.007	0.006U
	2001 Q2	0.014	0.011	0.013	0.006U	0.006U	0.006U
	2001 Q4	0.016	0.009	0.013	0.006U	0.006U	0.006U
	2002 Q2	0.016	0.014	0.013	0.006U	0.006U	0.006U
	2002 Q4	0.017	0.013	0.015	0.006U	0.006U	0.006U
	2003 Q2		0.011	0.011	0.006U	0.006U	0.006U
	2003 Q4		0.01	0.01	0.006U	0.006U	0.006U
	2004 Q2	0.022	0.016	0.013	0.006U	0.006U	0.006U
	2004 Q4	0.014	0.011	0.014	0.006U	0.006U	0.006U
	2005 Q2	0.009	0.009	0.01	0.006U	0.006U	0.006U
	2005 Q4	0.012	0.006U	0.011	0.006U	0.006U	0.006U
	2006 Q2		0.01		0.006U	0.006U	0.006U
	2006 Q4	0.006U	0.006U				0.006U
	2007 Q2		0.01U		0.01U	0.01U	0.01U
	2007 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2008 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2008 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2009 Q2	0.01U	0.01U		0.01U		0.01U
	2009 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2010 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2011 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2012 Q2	0.01U	0.01U		0.01U	0.01U	0.01U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2013 Q2	0.02	0.05		0.01U	0.01U	0.01U
	2013 Q4	0.01	0.01U		0.01U	0.01U	0.01U
	2014 Q2	0.01U	0.01U		0.01U	0.01U	0.01U
	2014 Q4	0.01U	0.01U		0.01U	0.01U	0.01U
	2015 Q2		0.01		0.01U	0.01U	0.01U
	2015 Q4		0.01U		0.01U	0.01U	0.01U
	2016 Q1	0.004U					
	2016 Q2		0.01U			0.01U	0.01U
	2016 Q4	0.01U	0.01U			0.01U	0.01U
	2017 Q2	0.01U	0.01U			0.01U	0.01U
	2017 Q4	0.0104	0.01U			0.01U	0.01U
	2018 Q2		0.01U			0.01U	0.01U
	2018 Q4	0.0105	0.01U				0.01U
	2019 Q2	0.01U	0.01U				0.01U
	2019 Q4	0.01U	0.01U				0.01U
	2020 Q2	0.01U	0.01U		0.01U		0.01U
	2020 Q4	0.02U	0.02U		0.02U		0.02U
	2021 Q2	0.1U	0.1U				0.1U
	2021 Q4	0.02U	0.02U				
	2022 Q2	0.02	0.02U				
	2022 Q4	0.02U	0.02U				
	2023 Q2	0.02U	0.02U				0.02U
	2023 Q4	0.02U	0.0243		0.02U	0.02U	0.02U

VOC

(StiropHos) TetrachlorinpHos, ug/L

1989 Q3 0.02U 0.02U

1,1,1,2-Tetrachloroethane, ug/L

1994 Q4	1U			1U	1U	1U
1995 Q3					1U	1U
1995 Q4	1U	1U	1U	1U	1U	1U
1996 Q1	1U			1U	1U	1U
1996 Q2	1U	1U	1U	1U	1U	1U
1996 Q3					1U	1U
1996 Q4	1U			1U	1U	1U
1997 Q1	1U			1U	1U	1U
1997 Q2	1U	1U	1U	1U	1U	1U
1997 Q3	1U			1U	1U	1U
1997 Q4	1U			1U	1U	1U
1998 Q1	1U			1U	1U	1U
1998 Q2	1U	1U	1U	1U	1U	1U
1998 Q4	1U			1U	1U	1U
1999 Q2	29U	1U	1U	1U	1U	1U
1999Q4.3	1U			1U	1U	1U
2000 Q2.3	1U			1U	1U	1U
2000 Q4.3	1U			1U	1U	1U
2001 Q2	1U			1U	1U	1U
2001 Q4	1U			1U	1U	1U
2002 Q2	1U	1U	1U	1U	1U	1U
2002 Q4	1U	1U	1U	1U	1U	1U
2003 Q2		1U	1U	1U	1U	1U
2003 Q4		1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L							
	1989 Q3		1U	1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1.1	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1.1			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.

B - Compound found in blank.

M - Estimated value - low spectral match

parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/l							
	2001 Q2	2U			2U	2U	2U
	2001 Q4	2U			2U	2U	2U
	2002 Q2	2U	2U	2U	2U	2U	2U
	2002 Q4	2U	2U	2U	2U	2U	2U
	2003 Q2		2U	2U	2U	2U	2U
	2003 Q4		2U	2U	2U	2U	2U
	2004 Q2	2U	2U	2U	2U	2U	2U
	2004 Q4	2U	2U	2U	2U	2U	2U
	2005 Q2	2U	2U	2U	2U	2U	2U
	2005 Q4	2U	2U	2U	2U	2U	2U
	2006 Q2		2U		2U	2U	2U
	2006 Q4	2U	2U				2U
	2007 Q2		2U		2U	2U	2U
	2007 Q4	2U	2U		2U	2U	2U
	2008 Q2	2U	2U		2U	2U	2U
	2008 Q4	2U	2U		2U	2U	2U
	2009 Q2	2U	2U		2U		2U
	2009 Q3						2U
	2009 Q4	2U	2U		2U	2U	2U
	2010 Q2	2U	2U		2U	2U	2U
	2010 Q4	2U	2U		2U	2U	2U
	2010-Q2.5						0.2U
	2011 Q2	2U	2U		2U	2U	2U
	2011 Q4	2U	2U		2U	2U	2U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	2U	2U		2U	2U	2U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.22	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.33
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.79
	2023 Q2	0.2U	0.2U			0.2U	1.45
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L							
	1989 Q3		0.3U	0.3U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1,2-Trichlorotrifluoroethane(CFC), ug/L							
	1989 Q3		1U	1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	5U					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	58U	2U	2U	2U	2U	2U
	1999Q4.3	2U			2U	2U	2U
	2000 Q2.3	2U			2U	2U	2U
	2000 Q4.3	2U			2U	2U	2U
1,1-Dichloroethane, ug/L							
	1989 Q3		1.1U	1.1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q4	1U					
	1993 Q1	1U					

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.

B - Compound found in blank.

M - Estimated value - low spectral match

parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L							
	1989 Q3		1.3U	1.3U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	2U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.24	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.26	0.2U				0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.3	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.36	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.36	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.29	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L							
	1994 Q4	5U			5U	5U	5U
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	2.5U			5U	2.5U	2.5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						0.5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					UY	UY
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	2.5U			1U	2.5U	2.5U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	87U	3U	3U	3U	3U	3U
	1999Q4.3	3U			3U	3U	3U
	2000 Q2.3	3U			3U	3U	3U
	2000 Q4.3	3U			3U	3U	3U
	2001 Q2	3U			3U	3U	3U
	2001 Q4	3U			3U	3U	3U
	2002 Q2	3U	3U	3U	3U	3U	3U
	2002 Q4	3U	3U	3U	3U	3U	3U
	2003 Q2		3U	3U	3U	3U	3U
	2003 Q4		3U	3U	3U	3U	3U
	2004 Q2	3U	3U	3U	3U	3U	3U
	2004 Q4	2U	2U	2U	2U	2U	2U
	2005 Q2	2U	2U	2U	2U	2U	2U
	2005 Q4	2U	2U	2U	2U	2U	2U
	2006 Q2		2U		2U	2U	2U
	2006 Q4	2U	2U				2U
	2007 Q2		2U		2U	2U	2U
	2007 Q4	2U	2U		2U	2U	2U
	2008 Q2	2U	2U		2U	2U	2U
	2008 Q4	2U	2U		2U	2U	2U
	2009 Q2	2U	2U		2U		2U
	2009 Q3						2U
	2009 Q4	2U	2U		2U	2U	2U
	2010 Q2	2U	2U		2U	2U	2U
	2010 Q4	2U	2U		2U	2U	2U
	2010-Q2.5						0.5U
	2011 Q2	2U	2U		2U	2U	2U
	2011 Q4	2U	2U		2U	2U	2U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	2U	2U		2U	2U	2U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trichlorobenzene, ug/L							
	1994 Q4	5U			5U	5U	5U
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	2.5U			5U	2.5U	2.5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010-Q2.5						0.5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L							
	1994 Q4	5U			5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						0.5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.58
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
1,2-Dibromoethane (EDB), ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichlorobenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
1,2-Dichloropropane, ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						0.2U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
2,4,5-T, ug/L							
	1989 Q3		2U	2U			
2,4-D, ug/L							
	1989 Q3		2U	2U			
2,4-DB, ug/L							
	1989 Q3		2U	2U			
2-Butanone (MEK), ug/L							
	1989 Q3		2.5U	2.5U			
	1989 Q4	5U					
	1990 Q1	5U					
	1990 Q2	5U					
	1991 Q1	7.5U					
	1991 Q2	7.5U					
	1991 Q3	5U					
	1991 Q4	5U					
	1992 Q1	5U					
	1992 Q2	5U					
	1992 Q4	5U					
	1993 Q1	5U					
	1993 Q2	5U					
	1993 Q3	5U					
	1993 Q4	5U	5U	5U	6.1	34	110
	1994 Q1	5U			56	33	6.7
	1994 Q2	5U			66	22	22
	1994 Q3					8.1	9.3
	1994 Q4	5U			54	5U	6.1

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q1	1U			23E	8.1	5
	1995 Q2	5U			24	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	8.6
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	5U	5U
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				5U
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5U		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L							
	1989 Q3		1.5U	1.5U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	5U			5U	5U	5U
	1994 Q2	5U			5U	5U	5U
	1994 Q3					5U	5U
	1994 Q4	5U			5U	5U	5U
	1995 Q1	0.5U			0.5U	0.5U	0.5U
	1995 Q2	5U			5U	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	2.5U			5U	2.5U	2.5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.

B - Compound found in blank.

M - Estimated value - low spectral match

parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						1U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	1U	1U		1U	1U	1U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
2-Chlorotoluene, ug/L	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
2010 Q2	1U	1U		1U	1U	1U	
2010 Q4	1U	1U		1U	1U	1U	
2010-Q2.5						0.2U	
2011 Q2	1U	1U		1U	1U	1U	
2011 Q4	1U	1U		1U	1U	1U	
2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U	
2012 Q4	1U	1U		1U	1U	1U	
2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U	
2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U	
2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U	
2014 Q2.5					0.2U		
2014 Q2.6					0.2U		

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s	
2-Hexanone, ug/L	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U	
	2014 Q4.1							
	2014 Q4.2							
	2015 Q2		0.2U		0.2U	0.2U	0.2U	
	2015 Q4		0.2U		0.2U	0.2U	0.2U	
	2016 Q1	0.2U						
	2016 Q2		0.2U			0.2U	0.2U	
	2016 Q4	0.2U	0.2U			0.2U	0.2U	
	2017 Q2	0.2U	0.2U			0.2U	0.2U	
	2017 Q4	0.2U	0.2U			0.2U	0.2U	
	2018 Q2		0.2U			0.2U	0.2U	
	2018 Q4	0.2U	0.2U				0.2U	
	2019 Q2	0.2U	0.2U				0.2U	
	2019 Q4	0.2U	0.2U				0.2U	
	2020 Q2	0.2U	0.2U		0.2U		0.2U	
	2020 Q4	0.2U	0.2U		0.2U		0.2U	
	2021 Q2	0.2U	0.2U		0.2U		0.2U	
	2021 Q4	0.2U	0.2U				0.2U	
	2022 Q2	0.2U	0.2U					
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U	
	2023 Q2	0.2U	0.2U			0.2U	0.2U	
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U	
	1989 Q3			1.3U	1.3U			
	1989 Q4	5U						
	1990 Q1	5U						
	1990 Q2	5U						
	1991 Q1	2U						
	1991 Q2	4U						
	1991 Q3	5U						
	1991 Q4	5U						
	1992 Q1	5U						
	1992 Q2	5U						
1992 Q4	5U							
1993 Q1	5U							
1993 Q2	5U							
1993 Q3	5U							
1993 Q4	5U	5U	5U	5U	5U	5U	5U	
1994 Q1	5U			5U	5U	5U	5U	
1994 Q2	5U			5U	5U	5U	5U	
1994 Q3					5U	5U	5U	
1994 Q4	5U			5U	5U	5U	5U	
1995 Q1	1U			1U	1U	1U	1U	
1995 Q2	5U			5U	5U			
1995 Q3					5U	5U	5U	
1995 Q4	5U	5U	5U	5U	5U	5U	5U	
1996 Q1	5U			5U	5U	5U	5U	
1996 Q2	5U	5U	5U	5U	5U	5U	5U	
1996 Q3					5U	5U	5U	
1996 Q4	5U			5U	5U	5U	5U	
1997 Q1	5U			5U	5U	5U	5U	
1997 Q2	5U	5U	5U	5U	5U	5U	5U	
1997 Q3	5U			5U	5U	5U	5U	

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	5U	5U
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				5U
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5U		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
4,4'-DDD, ug/L							
	1989 Q3		0.06U	0.06U			
4,4'-DDE, ug/L							
	1989 Q3		0.04U	0.04U			
4,4'-DDT, ug/L							
	1989 Q3		0.06U	0.06U			
4-Chlorotoluene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
4-Methyl-2-pentanone (MIBK), ug/L	1989 Q3		1.8U	1.8U			
	1989 Q4	7.5U					
	1990 Q1	7.5U					
	1990 Q2	7.5U					
	1991 Q1	2U					
	1991 Q2	2U					
	1991 Q3	5U					
	1991 Q4	5U					
	1992 Q1	5U					
	1992 Q2	5U					
	1992 Q4	5U					
	1993 Q1	5U					
	1993 Q2	5U					
	1993 Q3	5U					
	1993 Q4	5U	5U	5U	5U	5U	5U
	1994 Q1	5U			5U	5U	5U
	1994 Q2	5U			5U	5U	5U
	1994 Q3					5U	5U
	1994 Q4	5U			5U	5U	5U
	1995 Q1	1U			1U	1U	1U
	1995 Q2	5U			5U	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	5U	5U
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				5U
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5U		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
Acetone, ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	5U					
	1990 Q1	5U					
	1990 Q2	5U					
	1991 Q1	3U					
	1991 Q2	2.3JB					
	1991 Q3	5U					
	1991 Q4	5U					
	1992 Q1	5U					
	1992 Q2	5U					
	1992 Q4	5U					
	1993 Q1	5U					
	1993 Q2	5U					

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q3	5U					
	1993 Q4	5U	5U	5U	5U	5U	5U
	1994 Q1	9.9			9.1	9	8.7
	1994 Q2	11			13	11	25
	1994 Q3					5U	5U
	1994 Q4	5U			5U	5U	5U
	1995 Q1	1U			3	1U	1U
	1995 Q2	5U			5U	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5.7			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	11	5U	5U	5U	5U
	1997 Q3	5U			6	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			30	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	10U	10U		10U		10U
	2009 Q3						10U
	2009 Q4	10U	10U		10U	10U	10U
	2010 Q2	10U	10U		10U	10U	10U
	2010 Q4	10U	10U		10U	10U	10U
	2010-Q2.5						5U
	2011 Q2	10U	10U		10U	10U	10U
	2011 Q4	10U	10U		10U	10U	10U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	10U	10U		10U	10U	10U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	12	5U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				13.9
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5.9		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
Acrolein, ug/L							
	1994 Q4	25Y			25Y	25Y	25Y
	1995 Q3					50U	50U
	1995 Q4	50U	50U	50U	50U	50U	50U
	1996 Q1	50U			50U	50U	50U
	1996 Q2	50U	50U	50U	50U	50U	50U
	1996 Q3					50U	50U
	1996 Q4	50U			50U	50U	50U
	1997 Q1	50U			50U	50U	50U
	1997 Q2	50U	50U	50U	50U	50U	50U
	1997 Q3	50U			50U	50U	50U
	1997 Q4	50U			50U	50U	50U
	1998 Q1	25U			50U	25U	25U
	1998 Q2	50U	50U	50U	50U	50U	50U
	1998 Q4	50U			50U	50U	50U
	1999 Q2	1500U	50U	50U	50U	50U	50U
	1999Q4.3	50U			50U	50U	50U
	2000 Q2.3	50U			50U	50U	50U
	2000 Q4.3	50U			50U	50U	50U
	2001 Q2	50U			50U	50U	50U
	2001 Q4	50U			50U	50U	50U
	2002 Q2	50U	50U	50U	50U	50U	50U
	2002 Q4	50U	50U	50U	50U	50U	50U
	2003 Q2		50U	50U	50U	50U	50U
	2003 Q4		50U	50U	50U	50U	50U
	2004 Q2	50U	50U	50U	50U	50U	50U
	2004 Q4	50U	50U	50U	50U	50U	50U
	2005 Q2	50U	50U	50U	50U	50U	50U
	2005 Q4	50U	50U	50U	50U	50U	50U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q2		50U		50U	50U	50U
	2006 Q4	50U	50U				50U
	2007 Q2		50U		50U	50U	50U
	2007 Q4	50U	50U		50U	50U	50U
	2008 Q2	10U	10U		10U	10U	10U
	2008 Q4	10U	10U		10U	10U	10U
	2009 Q2	10U	10U		10U		10U
	2009 Q3						10U
	2009 Q4	10U	10U		10U	10U	10U
	2010 Q2	10U	10U		10U	10U	10U
	2010 Q4	10U	10U		10U	10U	10U
	2010-Q2.5						5U
	2011 Q2	10U	10U		10U	10U	10U
	2011 Q4	10U	10U		10U	10U	10U
	2012 Q2	5U	5U		5U	5U	5U
	2012 Q4	10U	10U		10U	10U	10U
	2013 Q2	5U	5U		5U	5U	5U
	2013 Q4	5U	5U		5U	5U	5U
	2014 Q2	5U	5U		5U	5U	5U
	2014 Q2.5					5U	
	2014 Q2.6					5U	
	2014 Q4	5U	5U		5U	5U	5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		5U		5U	5U	5U
	2015 Q4		5U		5U	5U	5U
	2016 Q1	5U					
	2016 Q2		5U			5U	5U
	2016 Q4	5U	5U			5U	5U
	2017 Q2	5U	5U			5U	5U
	2017 Q4	5U	5U			5U	5U
	2018 Q2		5U			5U	5U
	2018 Q4	5U	5U				5U
	2019 Q2	5U	5U				5U
	2019 Q4	5U	5U				5U
	2020 Q2	5U	5U		5U		5U
	2020 Q4	5U	5U		5U		5U
	2021 Q2	5U	5U		5U		5U
	2021 Q4	5U	5U				5U
	2022 Q2	5U	5U				
	2022 Q4	5U	5U		5U	5U	5U
	2023 Q2	5U	5U			5U	5U
	2023 Q4	5U	5U		5U	5U	5U
Acrylonitrile, ug/L							
	1994 Q4	5U			5U	5U	5U
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						1U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	1U	1U		1U	1U	1U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				
	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
Alachlor (Lasso), ug/L							
	1989 Q3		0.1U	0.1U			
Aldrin, ug/L							
	1989 Q3		0.03U	0.03U			
AlpHa-BHC, ug/L							
	1989 Q3		0.02U	0.02U			
AlpHa-Chlordane, ug/L							
	1989 Q3		0.03U	0.03U			
Aroclor-1221, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1232, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1242/1016, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1248, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1254, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1260, ug/L							
	1989 Q3		0.4U	0.4U			
Aroclor-1262, ug/L							
	1989 Q3		4U	4U			
Aroclor-1268, ug/L							
	1989 Q3		0.68U	0.68U			
Benzene, ug/L							
	1989 Q3		0.4U	0.4U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	0.9M					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	21J	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Beta-BHC, ug/L							
	1989 Q3		0.03U	0.03U			
Bromobenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Bromochloromethane, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Bromodichloromethane, ug/L							
	1989 Q3		0.2U	0.2U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Bromoethane, ug/L							
	1994 Q4	2U			2U	2U	2U
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	58U	2U	2U	2U	2U	2U
	1999Q4.3	2U			2U	2U	2U
	2000 Q2.3	2U			2U	2U	2U
	2000 Q4.3	2U			2U	2U	2U
	2001 Q2	2U			2U	2U	2U
	2001 Q4	2U			2U	2U	2U
	2002 Q2	2U	2U	2U	2U	2U	2U
	2002 Q4	2U	2U	2U	2U	2U	2U
	2003 Q2		2U	2U	2U	2U	2U
	2003 Q4		2U	2U	2U	2U	2U
	2004 Q2	2U	2U	2U	2U	2U	2U
	2004 Q4	2U	2U	2U	2U	2U	2U
	2005 Q2	2U	2U	2U	2U	2U	2U
	2005 Q4	2U	2U	2U	2U	2U	2U
	2006 Q2		2U		2U	2U	2U
	2006 Q4	2U	2U				2U
	2007 Q2		2U		2U	2U	2U
	2007 Q4	2U	2U		2U	2U	2U
	2008 Q2	2U	2U		2U	2U	2U
	2008 Q4	2U	2U		2U	2U	2U
	2009 Q2	2U	2U		2U		2U
	2009 Q3						2U
	2009 Q4	2U	2U		2U	2U	2U
	2010 Q2	2U	2U		2U	2U	2U
	2010 Q4	2U	2U		2U	2U	2U
	2010-Q2.5						0.2U
	2011 Q2	2U	2U		2U	2U	2U
	2011 Q4	2U	2U		2U	2U	2U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	2U	2U		2U	2U	2U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
Bromoform, ug/L	1989 Q3		0.3U	0.3U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	3U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	5U					
	1992 Q4	5U					
	1993 Q1	5U					
	1993 Q2	1U					
	1993 Q3	5U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.5U			0.5U	0.5U	0.5U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	2.5U			1U	2.5U	2.5U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
2002 Q2	1U	1U	1U	1U	1U	1U	
2002 Q4	1U	1U	1U	1U	1U	1U	
2003 Q2		1U	1U	1U	1U	1U	
2003 Q4		1U	1U	1U	1U	1U	
2004 Q2	1U	1U	1U	1U	1U	1U	
2004 Q4	1U	1U	1U	1U	1U	1U	
2005 Q2	1U	1U	1U	1U	1U	1U	

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Bromomethane, ug/L							
	1989 Q3		0.9U	0.9U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	3U					
	1991 Q3	2U					
	1991 Q4	2U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						1U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q2	1U	1U		1U	1U	1U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				
	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
Carbon Disulfide, ug/L							
	1989 Q3		2U	2U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	2U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			20	1U	5.1
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1.8	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.29
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.25
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.7
	2023 Q2	0.2U	0.2U			0.2U	1.71
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L							
	1989 Q3		0.5U	0.5U			
	1989 Q4	0.6J					
	1990 Q1	5.5					
	1990 Q2	1.2					
	1991 Q1	1M					
	1991 Q2	1.6					
	1991 Q3	3					
	1991 Q4	2.2					
	1992 Q1	1.7					
	1992 Q2	2.1M					
	1992 Q4	1.6					
	1993 Q1	1M					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1.2M			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1.3			1U	1U	1U
	1995 Q1	1.3			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Chlorobenzene, ug/L	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Chloroethane, ug/L							
	1989 Q3		0.9U	0.9U			
	1989 Q4	2U					
	1990 Q1	2U					
	1990 Q2	2U					
	1991 Q1	3U					
	1991 Q2	3U					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.29		0.29
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Chloroform, ug/L							
	1989 Q3		0.9U	0.9U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Chloromethane, ug/L							
	1989 Q3		2.9U	2.9U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2						
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.5U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
Chlorpyrifos (Dursban), ug/L							
	1989 Q3		0.04U	0.04U			
cis-1,2-Dichloroethene, ug/L							
	1989 Q3		1.2U	1.2U			
	1989 Q4	1U					

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not qualified.

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.28	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.31	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.21	0.2U	0.2U
	2015 Q4		0.2U		0.43	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.35		0.2U
	2020 Q4	0.2U	0.2U		0.44		0.2U
	2021 Q2	0.24	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.53	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.55	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Dalapon, ug/L							
	1989 Q3		40U	40U			
Delta-BHC, ug/L							
	1989 Q3		0.04U	0.04U			
Diazinon (Spectracide), ug/L							
	1989 Q3		0.02U	0.02U			
Dibromochloromethane, ug/L							
	1989 Q3		0.9U	0.9U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	4.7			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Dibromomethane, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Dicamba, ug/L							
	1989 Q3		0.3U	0.3U			
Dichlorodifluoromethane (CFC 12), ug/L							
	2016 Q4	0.87	0.2U			0.2U	0.2U
	2017 Q2	0.54	0.2U			0.2U	0.26
	2017 Q4	1.09	0.2U			0.2U	0.39
	2018 Q2		0.2U			0.2U	0.39
	2018 Q4	0.74	0.2U				0.2U
	2019 Q2	0.81	0.2U				0.38
	2019 Q4	1.1	0.2U				0.51
	2020 Q2	0.72	0.2U		0.42		0.3
	2020 Q4	0.88Q	0.2U		0.36Q		0.3Q
	2021 Q2	1	0.2U		0.2U		0.35
	2021 Q4	1.02	0.2U				0.2U
	2022 Q2	0.77Q	0.2U				
	2022 Q4	0.6	0.2U		0.38	0.2U	0.22
	2023 Q2	0.8	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.31	0.2U	0.2U
Dichloromethane(Methylene Chloride), ug/L							
	1989 Q3		1.1B	0.6JB			
	1989 Q4	0.6JB					
	1990 Q1	0.6JB					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1990 Q2	1.1JB					
	1991 Q1	0.7MB					
	1991 Q2	2B					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	4B					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2.1B			2U	2B	2U
	1994 Q2	303			2U	2U	2.6
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			2.2B	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1.1			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	58U	2U	2U	2U	2U	2U
	1999Q4.3	2U			2U	2U	2U
	2000 Q2.3	2U			2U	2U	2U
	2000 Q4.3	2U			2U	2U	2U
	2001 Q2	2U			2U	2U	2U
	2001 Q4	2U			2U	2U	2U
	2002 Q2	2U	2U	2U	2U	2U	2U
	2002 Q4	2U	2U	2U	2U	2U	2U
	2003 Q2		2U	2U	2U	2U	2U
	2003 Q4		2U	2U	2U	2U	2U
	2004 Q2	2U	2U	2U	2U	2U	2U
	2004 Q4	2U	2U	2U	2U	2U	2U
	2005 Q2	2U	2U	2U	2U	2U	2U
	2005 Q4	2U	2U	2U	2U	2U	2U
	2006 Q2		2U		2U	2U	2U
	2006 Q4	2U	2U				2U
	2007 Q2		2U		2U	2U	2U
	2007 Q4	2U	2U		2U	2U	2U
	2008 Q2	2U	2U		2U	2U	2U
	2008 Q4	2U	2U		2U	2U	2U
	2009 Q2	2U	2U		2U		2U
	2009 Q3						2U
	2009 Q4	2U	2U		2U	2U	2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010 Q2	2U	2U		2U	2U	2U
	2010 Q4	2U	2U		2U	2U	2U
	2010-Q2.5						0.5U
	2011 Q2	2U	2U		2U	2U	2U
	2011 Q4	2U	2U		2U	2U	2U
	2012 Q2	1U	1U		1U	1U	1U
	2012 Q4	2U	2U		2U	2U	2U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				
	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
Dichlorprop, ug/L							
	1989 Q3		1U	1U			
Dichlorvos(DDVP), ug/L							
	1989 Q3		0.05U	0.05U			
Dieldrin, ug/L							
	1989 Q3		0.04U	0.04U			
Dinoseb, ug/L							
	1989 Q3		0.4U	0.4U			
Disulfoton (Di-Syston), ug/L							
	1989 Q3		0.02U	0.02U			
Endosulfan I, ug/L							
	1989 Q3		0.03U	0.03U			
Endosulfan II, ug/L							
	1989 Q3		0.04U	0.04U			
Endosulfan Sulfate, ug/L							
	1989 Q3		0.09U	0.09U			

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Endrin, ug/L	1989 Q3		0.04U	0.04U			
Endrin Ketone, ug/L	1989 Q3		0.06U	0.06U			
EPTC (Eptam), ug/L	1989 Q3		0.05U	0.05U			
Ethoprop (Mocap), ug/L	1989 Q3		0.01U	0.01U			
Ethylbenzene, ug/L	1989 Q3		1U	1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Ethylene Dibromide, ug/L							
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
Fensulfothion (Desanit), ug/L							
	1989 Q3		0.02U	0.02U			
Gamma-BHC (Lindane), ug/L							
	1989 Q3		0.02U	0.02U			
Gamma-Chlordane, ug/L							
	1989 Q3		0.03U	0.03U			
Heptachlor, ug/L							
	1989 Q3		0.02U	0.02U			
Heptachlor Epoxide, ug/L							
	1989 Q3		0.03U	0.03U			
Hexachlorobutadiene, ug/L							
	1994 Q4	5U			5U	5U	5U
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	2.5U			5U	2.5U	2.5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						0.5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	2U	2U				2U
	2022 Q2	2U	2U				
	2022 Q4	2U	2U		2U	2U	2U
	2023 Q2	2U	2U			2U	2U
	2023 Q4	2U	2U		2U	2U	2U
Hexazinon (Velpar), ug/L							
	1989 Q3		0.07U	0.07U			
Iodomethane, ug/L							
	1994 Q4	1U			1U	1U	1U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				
	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
Isopropylbenzene (Cumene), ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
m,p-Xylene, ug/L							
	1994 Q4	0U			0U	0U	0U
	1995 Q1	0.4U			0.4U	0.4U	0.4U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	2U			1U	2U	2U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	2U	2U		2U	2U	2U
	2009 Q2	2U	2U		2U		2U
	2009 Q3						2U
	2009 Q4	2U	2U		2U	2U	2U
	2010 Q2	2U	2U		2U	2U	2U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2010 Q4	2U	2U		2U	2U	2U
	2010-Q2.5						0.4U
	2011 Q2	2U	2U		2U	2U	2U
	2011 Q4	2U	2U		2U	2U	2U
	2012 Q2	0.4U	0.4U		0.4U	0.4U	0.4U
	2012 Q4	2U	2U		2U	2U	2U
	2013 Q2	0.4U	0.4U		0.4U	0.4U	0.4U
	2013 Q4	0.4U	0.4U		0.4U	0.4U	0.4U
	2014 Q2	0.4U	0.4U		0.4U	0.4U	0.4U
	2014 Q2.5					0.4U	
	2014 Q2.6					0.4U	
	2014 Q4	0.4U	0.4U		0.4U	0.4U	0.4U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.4U		0.4U	0.4U	0.4U
	2015 Q4		0.4U		0.4U	0.4U	0.4U
	2016 Q1	0.4U					
	2016 Q2		0.4U			0.4U	0.4U
	2016 Q4	0.4U	0.4U			0.4U	0.4U
	2017 Q2	0.4U	0.4U			0.4U	0.4U
	2017 Q4	0.4U	0.4U			0.4U	0.4U
	2018 Q2		0.4U			0.4U	0.4U
	2018 Q4	0.4U	0.4U				0.4U
	2019 Q2	0.4U	0.4U				0.4U
	2019 Q4	0.4U	0.4U				0.4U
	2020 Q2	0.4U	0.4U		0.4U		0.4U
	2020 Q4	0.4U	0.4U		0.4U		0.4U
	2021 Q2	0.4U	0.4U		0.4U		0.4U
	2021 Q4	0.4U	0.4U				0.4U
	2022 Q2	0.4U	0.4U				
	2022 Q4	0.4U	0.4U		0.4U	0.4U	0.4U
	2023 Q2	0.4U	0.4U			0.4U	0.4U
	2023 Q4	0.4U	0.4U		0.4U	0.4U	0.4U
Malathion (Cythion), ug/L							
	1989 Q3		0.05U	0.05U			
MCCPP, ug/L							
	1989 Q3		250U	250U			
Methoxychlor, ug/L							
	1989 Q3		0.08U	0.08U			
Methyl Iodide, ug/L							
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						1U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	1U	1U		1U	1U	1U
Methyl tert-Butyl Ether, ug/L							
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
Metribuzin (Lexone), ug/L							
	1989 Q3		0.07U	0.07U			
MevinpHos (pHosdrin), ug/L							
	1989 Q3		0.15U	0.15U			
NapHthalene, ug/L							
	1994 Q4	5U			5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	2.5U			5U	2.5U	2.5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						0.5U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2013 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q2.5					0.5U	
	2014 Q2.6					0.5U	
	2014 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.5U		0.5U	0.5U	0.5U
	2015 Q4		0.5U		0.5U	0.5U	0.5U
	2016 Q1	0.5U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2016 Q2		0.5U			0.5U	0.5U
	2016 Q4	0.5U	0.5U			0.5U	0.5U
	2017 Q2	0.5U	0.5U			0.5U	0.5U
	2017 Q4	0.5U	0.5U			0.5U	0.5U
	2018 Q2		0.5U			0.5U	0.5U
	2018 Q4	0.5U	0.5U				0.5U
	2019 Q2	0.5U	0.5U				0.5U
	2019 Q4	0.5U	0.5U				0.5U
	2020 Q2	0.5U	0.5U		0.5U		0.5U
	2020 Q4	0.5U	0.5U		0.5U		0.5U
	2021 Q2	0.5U	0.5U		0.5U		0.5U
	2021 Q4	0.5U	0.5U				0.5U
	2022 Q2	0.5U	0.5U				
	2022 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
	2023 Q2	0.5U	0.5U			0.5U	0.5U
	2023 Q4	0.5U	0.5U		0.5U	0.5U	0.5U
n-Butylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
n-Propylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
o-Xylene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Ronnel (FenchlorpHos), ug/L							
	1989 Q3		0.11U	0.11U			
sec-Butylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Silvex (2,4,5-TP), ug/L							
	1989 Q3		0.2U	0.2U			
Styrene, ug/L							
	1989 Q3		0.5U	0.5U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Systox (Demeton), ug/L							
	1989 Q3		0.2U	0.2U			
tert-Butylbenzene, ug/L							
	1994 Q4	1U			1U	1U	1U
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	12					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1990 Q1	46					
	1990 Q2	26					
	1991 Q1	27					
	1991 Q2	31					
	1991 Q3	31					
	1991 Q4	31					
	1992 Q1	26					
	1992 Q2	40					
	1992 Q4	30					
	1993 Q1	15					
	1993 Q2	18					
	1993 Q3	11					
	1993 Q4	27	1U	1U	1U	1U	1U
	1994 Q1	17			1.9	1U	1U
	1994 Q2	12			3.8	1U	26
	1994 Q3					1U	1U
	1994 Q4	30			2.4	1U	1U
	1995 Q1	21E			3.7	0.2U	0.2U
	1995 Q2	9.2			4.5	1U	
	1995 Q3					1U	1U
	1995 Q4	16	1U	1U	3.8	1U	1U
	1996 Q1	9.8			4.6	1U	1U
	1996 Q2	9.9	1U	1U	6.9	1U	1U
	1996 Q3					1U	1U
	1996 Q4	10			5.8	1U	1U
	1997 Q1	6.4			5.2	1U	1U
	1997 Q2	5.1	1U	1U	5.4	1U	1U
	1997 Q3	7.1			8	1U	1U
	1997 Q4	3.5			8.6	1U	1U
	1998 Q1	5.3			7.2	1U	1U
	1998 Q2	5.4	1U	1U	7.2	1U	1U
	1998 Q4	20			8.8	1U	1U
	1999 Q2	350	1U	1U	9.4	1U	1U
	1999Q4.3	3.7			9.3	1U	1U
	2000 Q2.3	6			6.8	1U	1U
	2000 Q4.3	7.5			8.6	1U	1U
	2001 Q2	8.7			6.1	1U	1U
	2001 Q4	12			6.9	1U	1U
	2002 Q2	9.7	1U	1U	6.5	1U	1U
	2002 Q4	11	1U	1U	5.8	1U	1U
	2003 Q2		1U	1U	9.1	1U	1U
	2003 Q4		1U	1U	7.4	1U	1U
	2004 Q2	14	1U	1U	7.6	1U	1U
	2004 Q4	14	1U	1U	6.1	1U	1U
	2005 Q2	14	1U	1U	7.5	1U	1U
	2005 Q4	7.1	1U	1U	6.1	1U	1U
	2006 Q2		1U		11	1U	1U
	2006 Q4	6	1U				1U
	2007 Q2		1U		7.6	1U	1U
	2007 Q4	5	1U		7.8	1U	1U
	2008 Q2	7.4	1U		7.2	1U	1U
	2008 Q4	6.4	1U		8.5	1U	1U
	2009 Q2	5.8	1U		9		1
	2009 Q3						1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2009 Q4	5	1U		7.2	1U	1U
	2010 Q2	9.2	1U		9.2	1U	1.5
	2010 Q4	9.6	1U		7.2	1U	1.2
	2010-Q2.5						1.5
	2011 Q2	12	1U		7.9	1U	12
	2011 Q4	12	1U		7.1	1U	2.2
	2012 Q2	12	0.2U		8.6	0.2U	3.4
	2012 Q4	13	1U		6.4	1U	3
	2013 Q2	12	0.2U		8.2	0.2U	3.4
	2013 Q4	11	0.2U		7.8	0.2U	3
	2014 Q2	13	0.2U		8.2	0.2U	3.2
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	14	0.2U		6.7	0.2U	3
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		9.2	0.2U	4
	2015 Q4		0.2U		7.5	0.2U	3
	2016 Q1	8.6					
	2016 Q2		0.2U			0.2U	3.2
	2016 Q4	7.27	0.2U			0.2U	1.64
	2017 Q2	8.49	0.2U			0.2U	2.69
	2017 Q4	11.1	0.2U			0.2U	2.57
	2018 Q2		0.2U			0.2U	2.84
	2018 Q4	12.8	0.2U				3.57
	2019 Q2	12.7	0.2U				2.7
	2019 Q4	11.8	0.2U				3.83
	2020 Q2	10.9	0.2U		5.93		2.63
	2020 Q4	14.2	0.2U		1.8		2.43
	2021 Q2	17	0.2U		1.16		3.11
	2021 Q4	14.1	0.2U				1.73
	2022 Q2	12	0.2U				
	2022 Q4	11.3	0.2U		2.34	0.2U	0.97
	2023 Q2	8.65	0.2U			0.2U	0.49
	2023 Q4	4.46	0.2U		3.83	0.2U	1.33
Toluene, ug/L							
	1989 Q3		0.6U	0.6U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Total Xylenes, ug/L							
	1989 Q3		1.5U	1.5U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	2U					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	2016 Q4	0.6U	0.6U			0.6U	0.6U
	2017 Q2	0.6U	0.6U			0.6U	0.6U
	2017 Q4	0.6U	0.6U			0.6U	0.6U
	2018 Q2		0.6U			0.6U	0.6U
	2018 Q4	0.6U	0.6U				0.6U
	2019 Q2	0.6U	0.6U				0.6U
	2019 Q4	0.6U	0.6U				0.6U
	2020 Q2	0.6U	0.6U		0.6U		0.6U
	2020 Q4	0.6U	0.6U		0.6U		0.6U
	2021 Q2	0.6U	0.6U		0.6U		0.6U
	2021 Q4	0.6U	0.6U				0.6U
	2022 Q2	0.6U	0.6U				
	2022 Q4	0.6U	0.6U		0.6U	0.6U	0.6U
	2023 Q2	0.6U	0.6U			0.6U	0.6U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Toxaphene, ug/L	2023 Q4	0.6U	0.6U		0.6U	0.6U	0.6U
	1989 Q3		0.5U	0.5U			
trans-1,2-Dichloroethene, ug/L	1989 Q3		1.1U	1.1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	1U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
1998 Q2	1U	1U	1U	1U	1U	1U	
1998 Q4	1U			1U	1U	1U	
1999 Q2	29U	1U	1U	1U	1U	1U	
1999Q4.3	1U			1U	1U	1U	
2000 Q2.3	1U			1U	1U	1U	
2000 Q4.3	1U			1U	1U	1U	
2001 Q2	1U			1U	1U	1U	
2001 Q4	1U			1U	1U	1U	
2002 Q2	1U	1U	1U	1U	1U	1U	
2002 Q4	1U	1U	1U	1U	1U	1U	
2003 Q2		1U	1U	1U	1U	1U	
2003 Q4		1U	1U	1U	1U	1U	
2004 Q2	1U	1U	1U	1U	1U	1U	
2004 Q4	1U	1U	1U	1U	1U	1U	
2005 Q2	1U	1U	1U	1U	1U	1U	
2005 Q4	1U	1U	1U	1U	1U	1U	
2006 Q2		1U		1U	1U	1U	

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L							
	1989 Q3		0.5U	0.5U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1U					
	1991 Q4	1U					
	1992 Q1	1U					
	1992 Q2	1U					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q2	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1U
	1994 Q3					1U	1U
	1994 Q4	1U			1U	1U	1U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L							
	1994 Q4	5U			5U	5U	5U
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	5U			5U	5U	5U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						1U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	1U	1U		1U	1U	1U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	1U	1U		1U	1U	1U
	2013 Q4	1U	1U		1U	1U	1U
	2014 Q2	1U	1U		1U	1U	1U
	2014 Q2.5					1U	
	2014 Q2.6					1U	
	2014 Q4	1U	1U		1U	1U	1U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		1U		1U	1U	1U
	2015 Q4		1U		1U	1U	1U
	2016 Q1	1U					
	2016 Q2		1U			1U	1U
	2016 Q4	1U	1U			1U	1U
	2017 Q2	1U	1U			1U	1U
	2017 Q4	1U	1U			1U	1U
	2018 Q2		1U			1U	1U
	2018 Q4	1U	1U				1U
	2019 Q2	1U	1U				1U
	2019 Q4	1U	1U				1U
	2020 Q2	1U	1U		1U		1U
	2020 Q4	1U	1U		1U		1U
	2021 Q2	1U	1U		1U		1U
	2021 Q4	1U	1U				1U
	2022 Q2	1U	1U				
	2022 Q4	1U	1U		1U	1U	1U
	2023 Q2	1U	1U			1U	1U
	2023 Q4	1U	1U		1U	1U	1U
Trichloroethene (TCE), ug/L							
	1989 Q3		0.8U	0.8U			
	1989 Q4	0.3M					
	1990 Q1	1.4					
	1990 Q2	0.9J					
	1991 Q1	1.2M					
	1991 Q2	1.1					

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1991 Q3	0.8J					
	1991 Q4	0.8J					
	1992 Q1	1U					
	1992 Q2	1.4					
	1992 Q4	1.2					
	1993 Q1	1U					
	1993 Q2	1.1					
	1993 Q3	1U					
	1993 Q4	1.6	1U	1U	1U	1U	1U
	1994 Q1	1U			1U	1U	1U
	1994 Q2	1U			1U	1U	1.1
	1994 Q3					1U	1U
	1994 Q4	1.5			1U	1U	1U
	1995 Q1	0.4			0.2U	0.2U	0.2U
	1995 Q2	1U			1U	1U	
	1995 Q3					1U	1U
	1995 Q4	1U	1U	1U	1U	1U	1U
	1996 Q1	1U			1U	1U	1U
	1996 Q2	1U	1U	1U	1U	1U	1U
	1996 Q3					1U	1U
	1996 Q4	1U			1U	1U	1U
	1997 Q1	1U			1U	1U	1U
	1997 Q2	1U	1U	1U	1U	1U	1U
	1997 Q3	1U			1U	1U	1U
	1997 Q4	1U			1U	1U	1U
	1998 Q1	1U			1U	1U	1U
	1998 Q2	1U	1U	1U	1U	1U	1U
	1998 Q4	1U			1U	1U	1U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.4	0.2U		0.4	0.2U	0.2
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.49	0.2U		0.41	0.2U	0.27
	2013 Q4	0.47	0.2U		0.38	0.2U	0.24
	2014 Q2	0.6	0.2U		0.45	0.2U	0.3
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.7	0.2U		0.61	0.2U	0.22
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.44	0.2U	0.29
	2015 Q4		0.2U		0.73	0.2U	0.2
	2016 Q1	0.45					
	2016 Q2		0.2U			0.2U	0.25
	2016 Q4	0.3	0.2U			0.2U	0.2U
	2017 Q2	0.45	0.2U			0.2U	0.2U
	2017 Q4	0.58	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.21
	2018 Q4	0.61	0.2U				0.22
	2019 Q2	0.62	0.2U				0.24
	2019 Q4	0.67	0.2U				0.28
	2020 Q2	0.75	0.2U		0.59		0.2U
	2020 Q4	0.9	0.2U		0.46		0.2U
	2021 Q2	0.89	0.2U		0.2U		0.23
	2021 Q4	0.72	0.2U				0.2U
	2022 Q2	0.66	0.2U				
	2022 Q4	0.59	0.2U		0.67	0.2U	0.2U
	2023 Q2	0.53	0.2U			0.2U	0.2U
	2023 Q4	0.31	0.2U		0.82	0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L							
	1989 Q3		1U	1U			
	1989 Q4	1U					
	1990 Q1	1.2					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1J					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	2.1			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.5	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.73	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.45	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.79	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.35					

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.

J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.29	0.2U			0.2U	0.2U
	2017 Q2	0.21	0.2U			0.2U	0.2U
	2017 Q4	0.4	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.27	0.2U				0.2U
	2019 Q2	0.32	0.2U				0.2U
	2019 Q4	0.29	0.2U				0.2U
	2020 Q2	0.24	0.2U		0.2U		0.2U
	2020 Q4	0.37Q	0.2U		0.2U		0.2U
	2021 Q2	0.35	0.2U		0.2U		0.2U
	2021 Q4	0.29	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.24	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
Vinyl Acetate, ug/L							
	1989 Q3		1.7U	1.7U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	2U					
	1991 Q2	1U					
	1991 Q3	1U					
	1992 Q2	1U					
	1992 Q4	1U					
	1993 Q1	1U					
	1993 Q3	1U					
	1993 Q4	1U	1U	1U	1U	1U	1U
	1994 Q1	5U			5U	5U	5U
	1994 Q2	5U			5U	5U	5U
	1994 Q3					5U	5U
	1994 Q4	5U			5U	5U	5U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	5U			5U	5U	
	1995 Q3					5U	5U
	1995 Q4	5U	5U	5U	5U	5U	5U
	1996 Q1	5U			5U	5U	5U
	1996 Q2	5U	5U	5U	5U	5U	5U
	1996 Q3					5U	5U
	1996 Q4	5U			5U	5U	5U
	1997 Q1	5U			5U	5U	5U
	1997 Q2	5U	5U	5U	5U	5U	5U
	1997 Q3	5U			5U	5U	5U
	1997 Q4	5U			5U	5U	5U
	1998 Q1	1U			5U	1U	1U
	1998 Q2	5U	5U	5U	5U	5U	5U
	1998 Q4	5U			5U	5U	5U
	1999 Q2	150U	5U	5U	5U	5U	5U
	1999Q4.3	5U			5U	5U	5U
	2000 Q2.3	5U			5U	5U	5U
	2000 Q4.3	5U			5U	5U	5U
	2001 Q2	5U			5U	5U	5U

* CONF = Confluent growth on all dilutions, no coliforms. qualified.

** Indicates detected in the trip blank but not

J - Estimated value. parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2001 Q4	5U			5U	5U	5U
	2002 Q2	5U	5U	5U	5U	5U	5U
	2002 Q4	5U	5U	5U	5U	5U	5U
	2003 Q2		5U	5U	5U	5U	5U
	2003 Q4		5U	5U	5U	5U	5U
	2004 Q2	5U	5U	5U	5U	5U	5U
	2004 Q4	5U	5U	5U	5U	5U	5U
	2005 Q2	5U	5U	5U	5U	5U	5U
	2005 Q4	5U	5U	5U	5U	5U	5U
	2006 Q2		5U		5U	5U	5U
	2006 Q4	5U	5U				5U
	2007 Q2		5U		5U	5U	5U
	2007 Q4	5U	5U		5U	5U	5U
	2008 Q2	5U	5U		5U	5U	5U
	2008 Q4	5U	5U		5U	5U	5U
	2009 Q2	5U	5U		5U		5U
	2009 Q3						5U
	2009 Q4	5U	5U		5U	5U	5U
	2010 Q2	5U	5U		5U	5U	5U
	2010 Q4	5U	5U		5U	5U	5U
	2010-Q2.5						1U
	2011 Q2	5U	5U		5U	5U	5U
	2011 Q4	5U	5U		5U	5U	5U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	5U	5U		5U	5U	5U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.
 J - Estimated value.

** Indicates detected in the trip blank but not

B - Compound found in blank. M - Estimated value - low spectral match parameters.

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
Vinyl Chloride, ug/L							
	1989 Q3		1.1U	1.1U			
	1989 Q4	1U					
	1990 Q1	1U					
	1990 Q2	1U					
	1991 Q1	3U					
	1991 Q2	3U					
	1991 Q3	2U					
	1991 Q4	2U					
	1992 Q1	2U					
	1992 Q2	2U					
	1992 Q4	2U					
	1993 Q1	2U					
	1993 Q2	2U					
	1993 Q3	2U					
	1993 Q4	2U	2U	2U	2U	2U	2U
	1994 Q1	2U			2U	2U	2U
	1994 Q2	2U			2U	2U	2U
	1994 Q3					2U	2U
	1994 Q4	2U			2U	2U	2U
	1995 Q1	0.2U			0.2U	0.2U	0.2U
	1995 Q2	2U			2U	2U	
	1995 Q3					2U	2U
	1995 Q4	2U	2U	2U	2U	2U	2U
	1996 Q1	2U			2U	2U	2U
	1996 Q2	2U	2U	2U	2U	2U	2U
	1996 Q3					2U	2U
	1996 Q4	2U			2U	2U	2U
	1997 Q1	2U			2U	2U	2U
	1997 Q2	2U	2U	2U	2U	2U	2U
	1997 Q3	2U			2U	2U	2U
	1997 Q4	2U			2U	2U	2U
	1998 Q1	1U			2U	1U	1U
	1998 Q2	2U	2U	2U	2U	2U	2U
	1998 Q4	2U			2U	2U	2U
	1999 Q2	29U	1U	1U	1U	1U	1U
	1999Q4.3	1U			1U	1U	1U
	2000 Q2.3	1U			1U	1U	1U
	2000 Q4.3	1U			1U	1U	1U
	2001 Q2	1U			1U	1U	1U
	2001 Q4	1U			1U	1U	1U
	2002 Q2	1U	1U	1U	1U	1U	1U
	2002 Q4	1U	1U	1U	1U	1U	1U
	2003 Q2		1U	1U	1U	1U	1U
	2003 Q4		1U	1U	1U	1U	1U
	2004 Q2	1U	1U	1U	1U	1U	1U
	2004 Q4	1U	1U	1U	1U	1U	1U
	2005 Q2	1U	1U	1U	1U	1U	1U
	2005 Q4	1U	1U	1U	1U	1U	1U
	2006 Q2		1U		1U	1U	1U
	2006 Q4	1U	1U				1U
	2007 Q2		1U		1U	1U	1U
	2007 Q4	1U	1U		1U	1U	1U

* CONF = Confluent growth on all dilutions, no coliforms qualified.

** Indicates detected in the trip blank but not

J - Estimated value.
parameters.

B - Compound found in blank.

M - Estimated value - low spectral match

Table 3. Groundwater Monitoring Data, Snipes Mountain Landfill

Constituent	Event	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5d	SMW-5s
	2008 Q2	1U	1U		1U	1U	1U
	2008 Q4	1U	1U		1U	1U	1U
	2009 Q2	1U	1U		1U		1U
	2009 Q3						1U
	2009 Q4	1U	1U		1U	1U	1U
	2010 Q2	1U	1U		1U	1U	1U
	2010 Q4	1U	1U		1U	1U	1U
	2010-Q2.5						0.2U
	2011 Q2	1U	1U		1U	1U	1U
	2011 Q4	1U	1U		1U	1U	1U
	2012 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2012 Q4	1U	1U		1U	1U	1U
	2013 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2013 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q2.5					0.2U	
	2014 Q2.6					0.2U	
	2014 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2014 Q4.1						
	2014 Q4.2						
	2015 Q2		0.2U		0.2U	0.2U	0.2U
	2015 Q4		0.2U		0.2U	0.2U	0.2U
	2016 Q1	0.2U					
	2016 Q2		0.2U			0.2U	0.2U
	2016 Q4	0.2U	0.2U			0.2U	0.2U
	2017 Q2	0.2U	0.2U			0.2U	0.2U
	2017 Q4	0.2U	0.2U			0.2U	0.2U
	2018 Q2		0.2U			0.2U	0.2U
	2018 Q4	0.2U	0.2U				0.2U
	2019 Q2	0.2U	0.2U				0.2U
	2019 Q4	0.2U	0.2U				0.2U
	2020 Q2	0.2U	0.2U		0.2U		0.2U
	2020 Q4	0.2U	0.2U		0.2U		0.2U
	2021 Q2	0.2U	0.2U		0.2U		0.2U
	2021 Q4	0.2U	0.2U				0.2U
	2022 Q2	0.2U	0.2U				
	2022 Q4	0.2U	0.2U		0.2U	0.2U	0.2U
	2023 Q2	0.2U	0.2U			0.2U	0.2U
	2023 Q4	0.2U	0.2U		0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms. ** Indicates detected in the trip blank but not qualified.
 J - Estimated value. B - Compound found in blank. M - Estimated value - low spectral match parameters.

B. Monitoring Well Boring Logs

Project: Snipes Mountain Landfill
Consulting Firm: Parametrix, Inc.

Location: NW1/4 SW1/4 Sec 30 T10N R22E
 Start Card No: 34514

Casing Type: 2" Diameter Stainless Steel — Well (+2 to 243 ft)
 3/4" Diameter Schedule 80 PVC — Sounding Tube

Drilling Method: Air Rotary
 Sampling Method: 5 ft Cuttings Grab
 Rep: C. Nadler — PMX
 Drilling Contractor: Bach Drilling
 Driller: A. McCorkindale

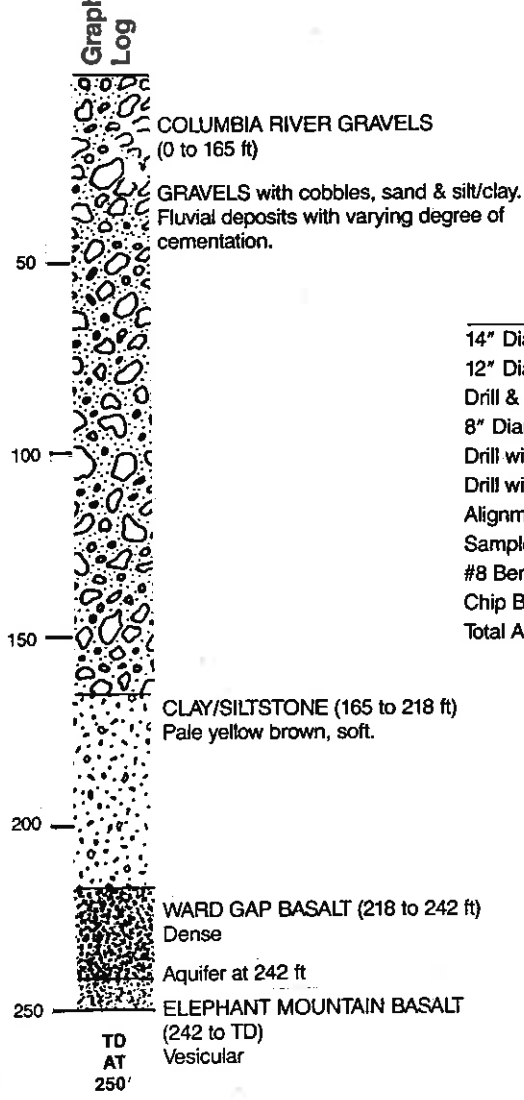
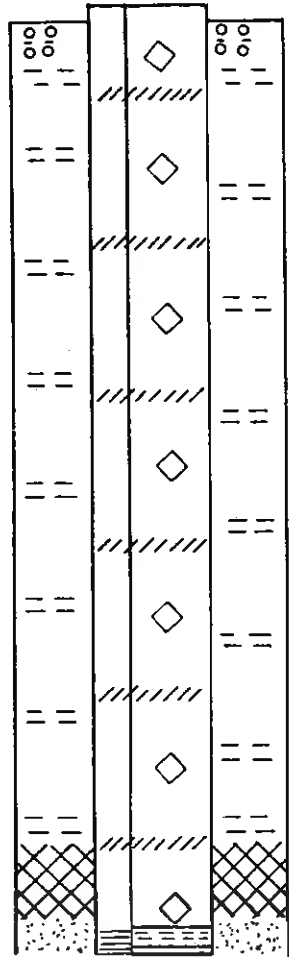
Joint Type: Flush Threaded S.S. & PVC
 Screen Type: Wire Wrapped S.S. (243 to 248 ft)
 Slot Size: 0.020 Inch

Water Level:	232'	231.5'	231 ±'
Time:	1420	1140	1020
Date:	08/02/89	08/10/89	08/29/89
Datum:	BGS	BGS	BGS
Ground Elevation:	998.83 Feet		

Seal Type: Bentonite #8 & Chip
 Installation Method: Tremie
 Filter: #8-12 Silica Sand (240 to 250 ft)
 Installation Method: Tremie
 Grout: Concrete (0 to 10 ft)

Wells Details

Depth **Graphic Log** **Log Description**



Notes

- 14" Diameter Boring 0 to 20 ft
- 12" Diameter Casing 0 to 20 ft
- Drill & Drive 8" Diameter Casing 20 to 180 ft
- 8" Diameter Boring 180 to 250 ft
- Drill with Water 0 to 240 ft
- Drill without Water 240 to 250 ft
- Alignment Test Positive (6" Diameter x 20' Casing)
- Sample Pump Set at 240 ft
- #8 Bentonite: 128 - 50 lb Sacks
- Chip Bentonite: 11 - 50 lb Sacks
- Total Annular Seal: 139 - 50 lb Sacks

	Start	Finish
Bore:	07/20/89	08/02/89
Well:	08/29/89	09/08/89

- //// S.S. Hose Clamp
- ◇ S.S. Centralizer with Nylon Strap
- == #8 Bentonite
- XXXX Bentonite Chips
- Silica Sand
- Concrete

Figure A-1
Well Installation Log
Well Number MW-1

Project: Snipes Mountain Landfill
Consulting Firm: Parametrix, Inc.

Location: SW1/4 SW1/4 Sec 30 T10N R22E
 Start Card No: 34514

Casing Type: 2" Diameter Stainless Steel — Well (+ 2 to 238 ft)
 3/4" Diameter Schedule 80 PVC — Sounding Tube

Drilling Method: Air Rotary
 Sampling Method: 5 ft Cuttings Grab
 Rep: C. Nadler — PMX
 Drilling Contractor: Bach Drilling
 Driller: A. McCorkindale

Joint Type: Flush Threaded S.S. & PVC
 Screen Type: Wire Wrapped S.S. (238 to 248 ft)
 Slot Size: 0.020 Inch

Water Level: 219.9' 219.5'
 Time: 1010 1545
 Date: 08/10/89 09/05/89
 Datum: BGS BGS

Seal Type: Bentonite #8 & Chip (10 to 225 ft)

Installation Method: Tremie

Filter: #8-12 Silica Sand (225 to 250 ft)

Installation Method: Tremie

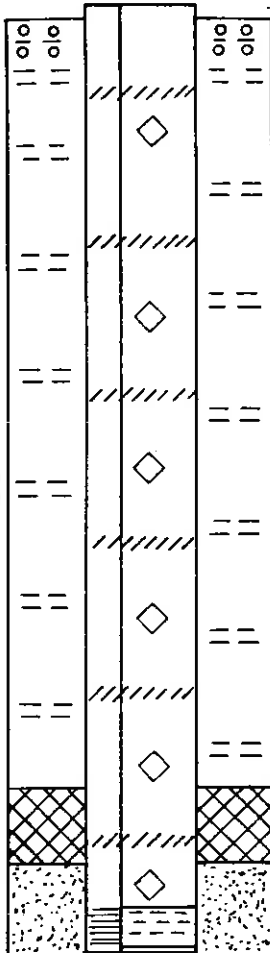
Grout: Concrete (0 to 10 ft)

Ground Elevation: 894.91 Feet

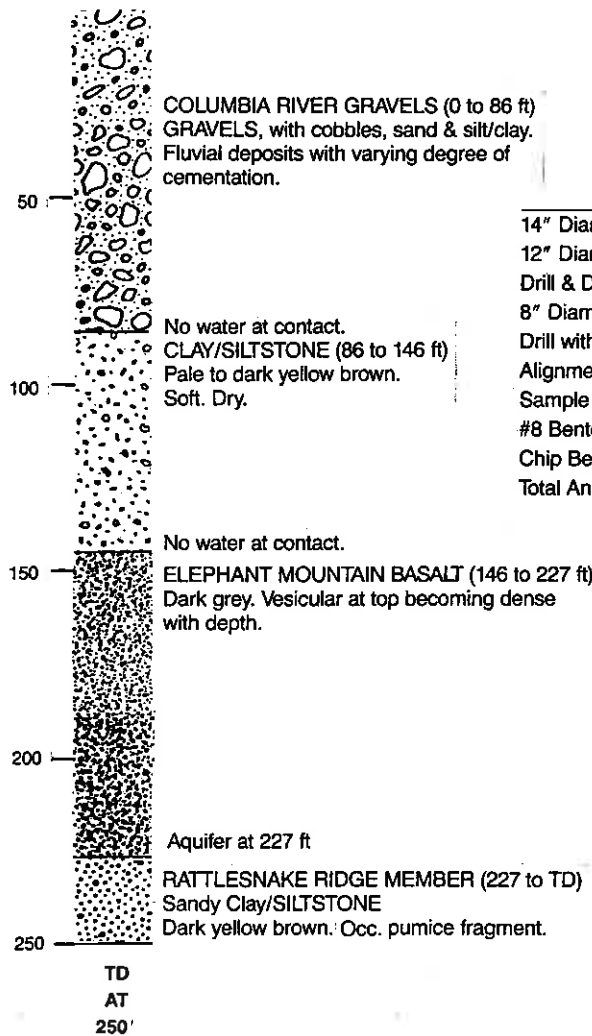
Wells Details

Depth

Log Description



Graphic Log



Notes

- 14" Diameter Boring 0 to 20 ft
- 12" Diameter Casing: 0 to 20 ft
- Drill & Drive 8" Diameter Casing 20 to 146 ft
- 8" Diameter Boring 146 to 250 ft
- Drill without Water 0 to 250 ft
- Alignment Test Positive (6" Diameter x 20' Casing)
- Sample Pump at 230 ft
- #8 Bentonite: 129 - 50 lb Sacks
- Chip Bentonite: 8 - 50 lb Sacks
- Total Annular Seal: 137 - 50 lb Sacks

	Start	Finish
Bore:	08/02/89	08/10/89
Well:	09/05/89	09/08/89

- //// S.S. Hose Clamp
- ◇ S.S. Centralizer with Nylon Strap
- = = #8 Bentonite
- XXXX Bentonite Chips
- Silica Sand
- o o Concrete

Figure A-2
Well Installation Log
Well Number MW-2

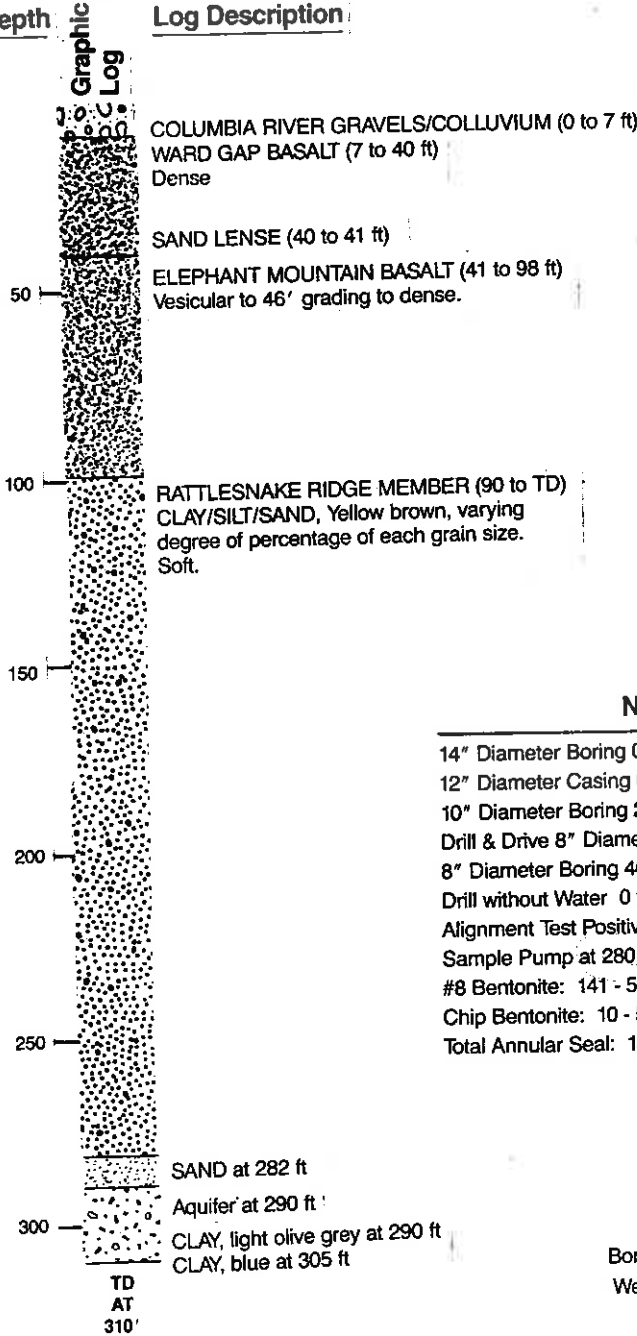
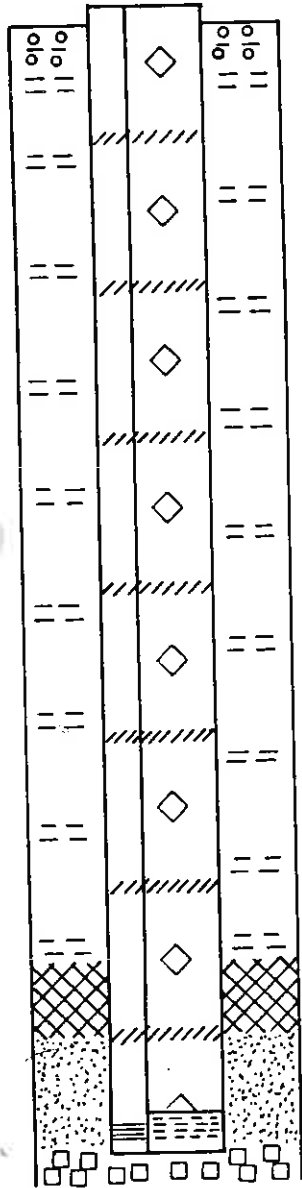
**Project: Snipes Mountain Landfill
Consulting Firm: Parametrix, Inc.**

Casing Type: 2" Diameter Stainless Steel — Well (+ 2 to 289 ft)
 3/4" Diameter Schedule 80 PVC — Sounding Tube
 Joint Type: Flush Threaded S.S. & PVC
 Screen Type: Wire Wrapped S.S. (289 to 299 ft)
 Slot Size: 0.020 Inch
 Seal Type: Bentonite #8 & Chip (10 to 270 ft)
 Installation Method: Tremie
 Filter: #8-12 Silica Sand (270 to 300 ft)
 Installation Method: Tremie
 Grout: Concrete (0 to 10 ft)

Location: SW1/4 SW1/4 Sec 30 T10N R22E
 Start Card: 34514
 Drilling Method: Air Rotary
 Sampling Method: 5 ft Cuttings Grab
 Rep: C. Nadler — PMX
 Drilling Contractor: Bach Drilling
 Driller: A. McCorkindale
 Water Level: 273.8' 273.7'
 Time: 0900 0730
 Date: 08/23/89 08/25/89
 Datum: BGS BGS
 Ground Elevation: 1034.89 Feet

Wells Details

Depth **Log Description**



Notes

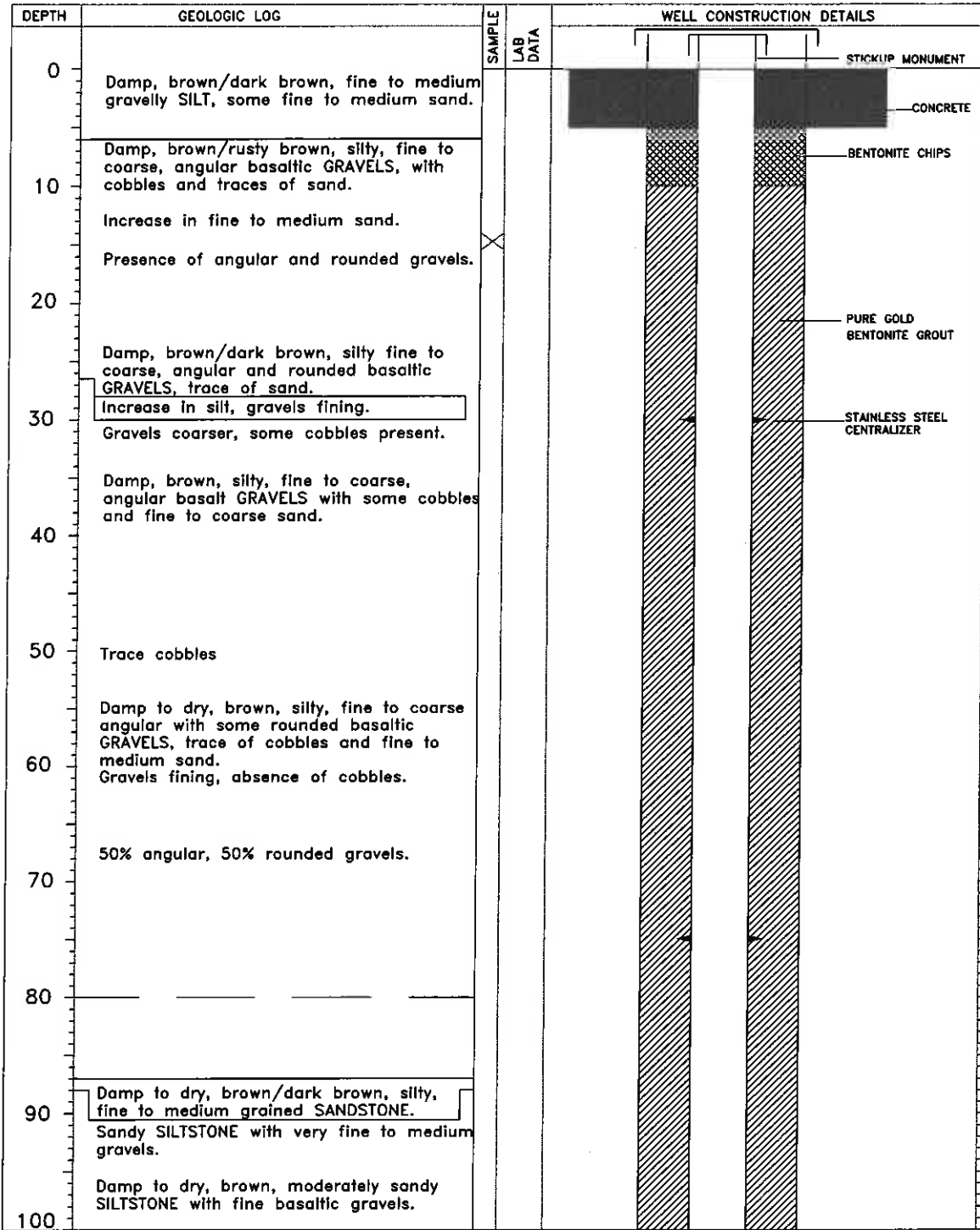
14" Diameter Boring 0 to 20 ft
 12" Diameter Casing 0 to 7 ft
 10" Diameter Boring 20 to 41 ft
 Drill & Drive 8" Diameter Casing 41 to 46 ft
 8" Diameter Boring 46 to 310 ft
 Drill without Water 0 to 310 ft
 Alignment Test Positive (6" Diameter x 20' Casing)
 Sample Pump at 280 ft
 #8 Bentonite: 141 - 50 lb Sacks
 Chip Bentonite: 10 - 50 lb Sacks
 Total Annular Seal: 151 - 50 lb Sacks

	Start	Finish
Bore:	08/15/89	08/22/89
Well:	08/23/89	08/25/89

- //// S.S. Hose Clamp
- ◇ S.S. Centralizer with Nylon Strap
- == #8 Bentonite
- XXXX Bentonite Chips
- Silica Sand
- Concrete
- Hole Collapsed

**Figure A-3
Well Installation Log
Well Number MW-3**

MW-4



Page 1

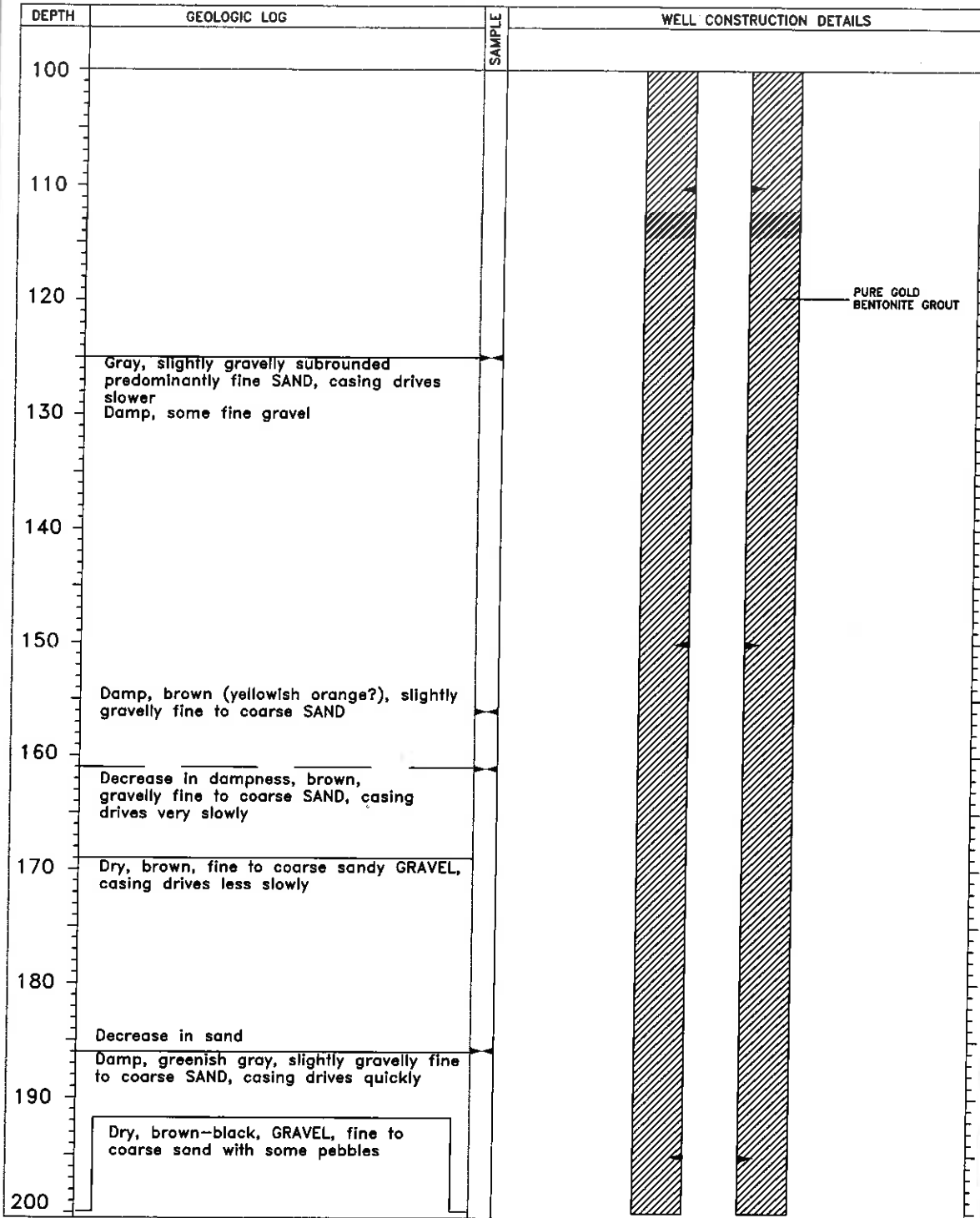
PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-4
 DRILLING METHOD: Air Rotary
 DRILLER: Robert Stadell
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E
 REF. TOP OF MONUMENT, ELEVATION = 1002.80 FEET
 DATUM: MSL
 WATER LEVEL ELEVATION: 774.55 on 12/21/93
 INSTALLED: 11/15/93 to 11/17/93
 DEVELOPED: 12/7/93

FIGURE A-1



MW-4



Page 2

--- indicates corrected down-hole samples
 PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-4
 DRILLING METHOD: Air Rotary
 DRILLER: Robert Stadelit
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaal

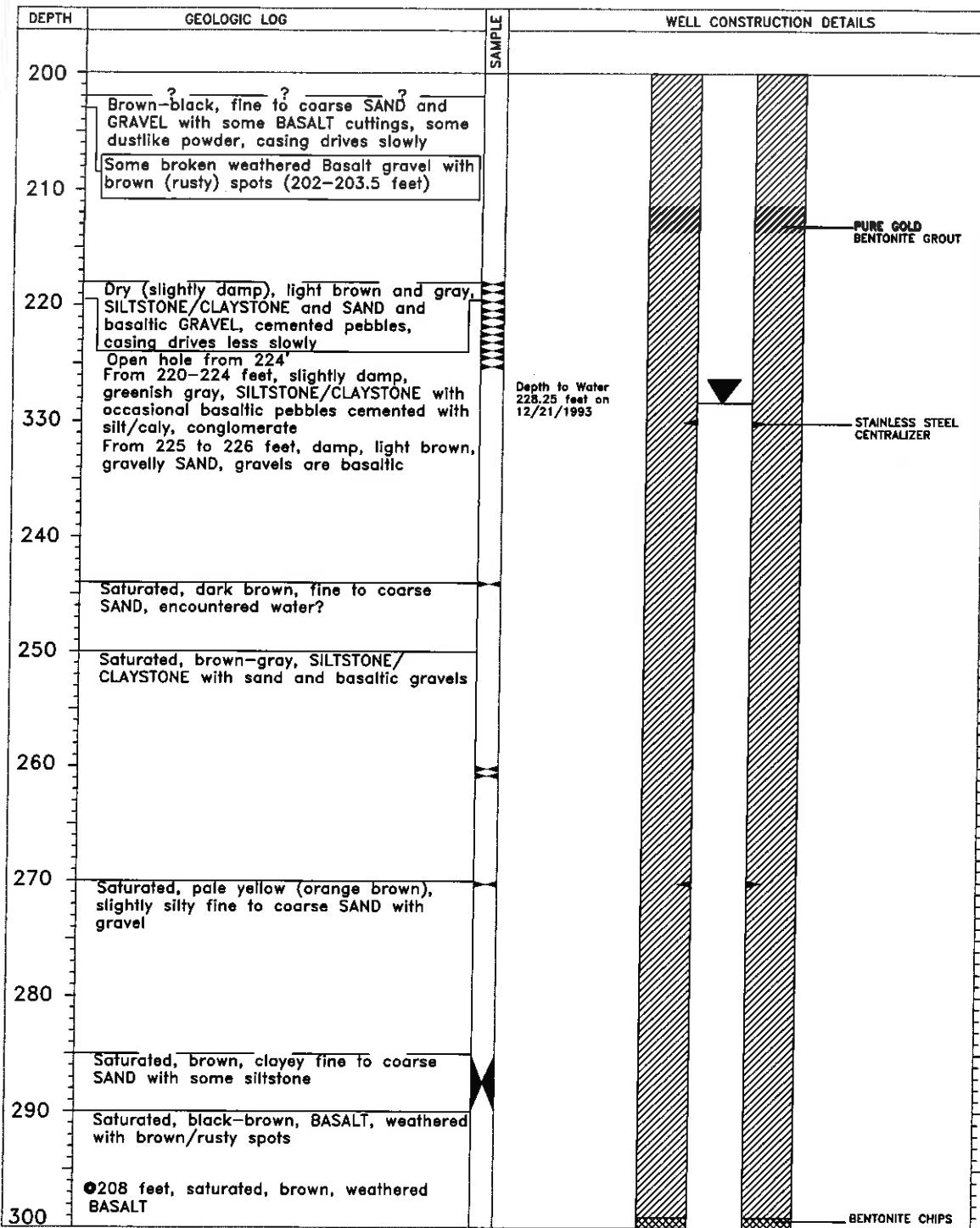
LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION: 774.55 on 12/21/93
 INSTALLED: 11/15/93 to 11/17/93
 DEVELOPED: 12/7/93

FIGURE A-1



SNIPES MOUNTAIN LANDFILL MW-4



Page 3

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-4
 DRILLING METHOD: Air Rotary
 DRILLER: Robert Stadelit/Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

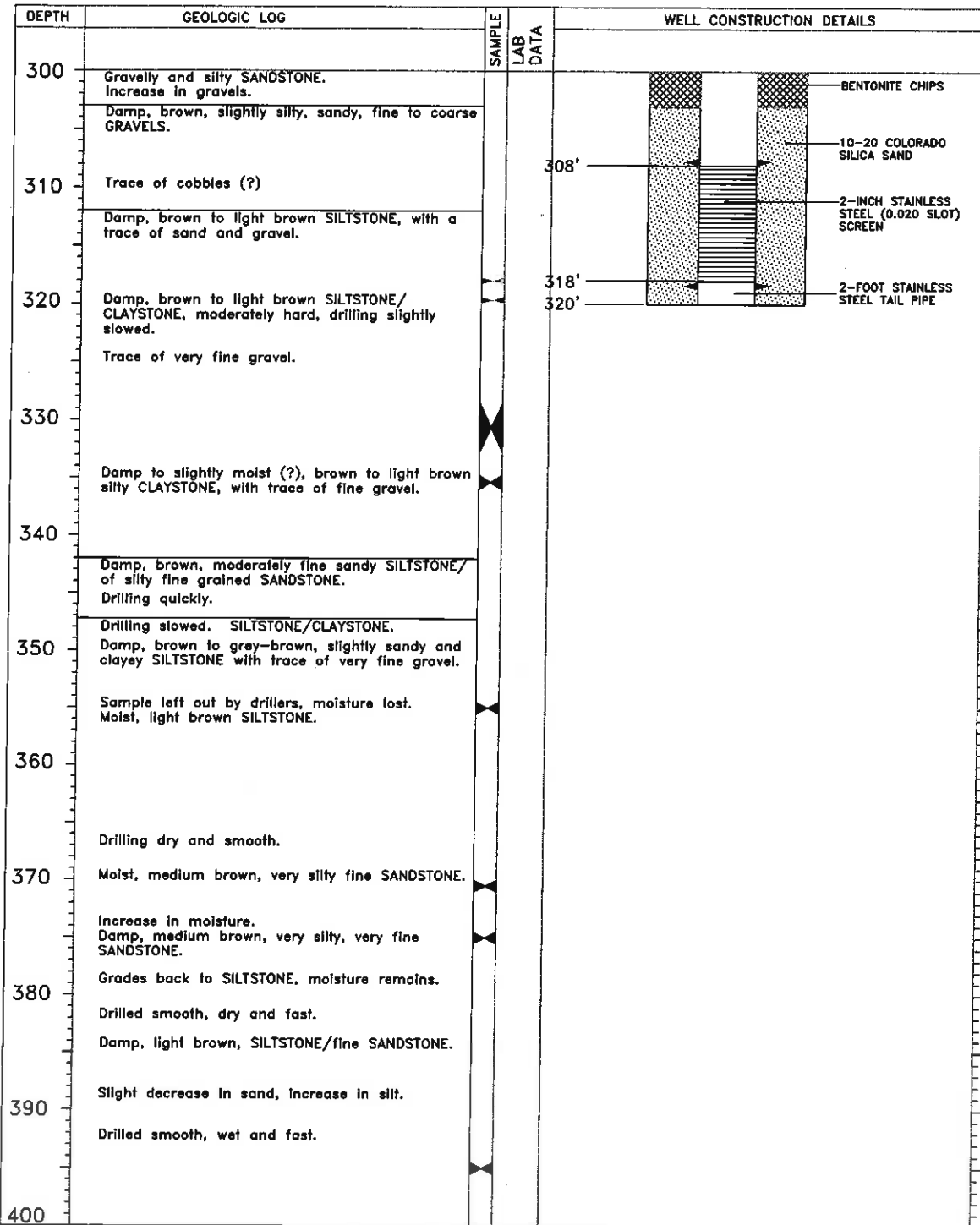
LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION: 774.55 on 12/21/93
 INSTALLED: 11/15/93 to 11/17/93
 DEVELOPED: 12/7/93

FIGURE A-1



MW-4



Page 4

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-4
 DRILLING METHOD: Air Rotary
 DRILLER: Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

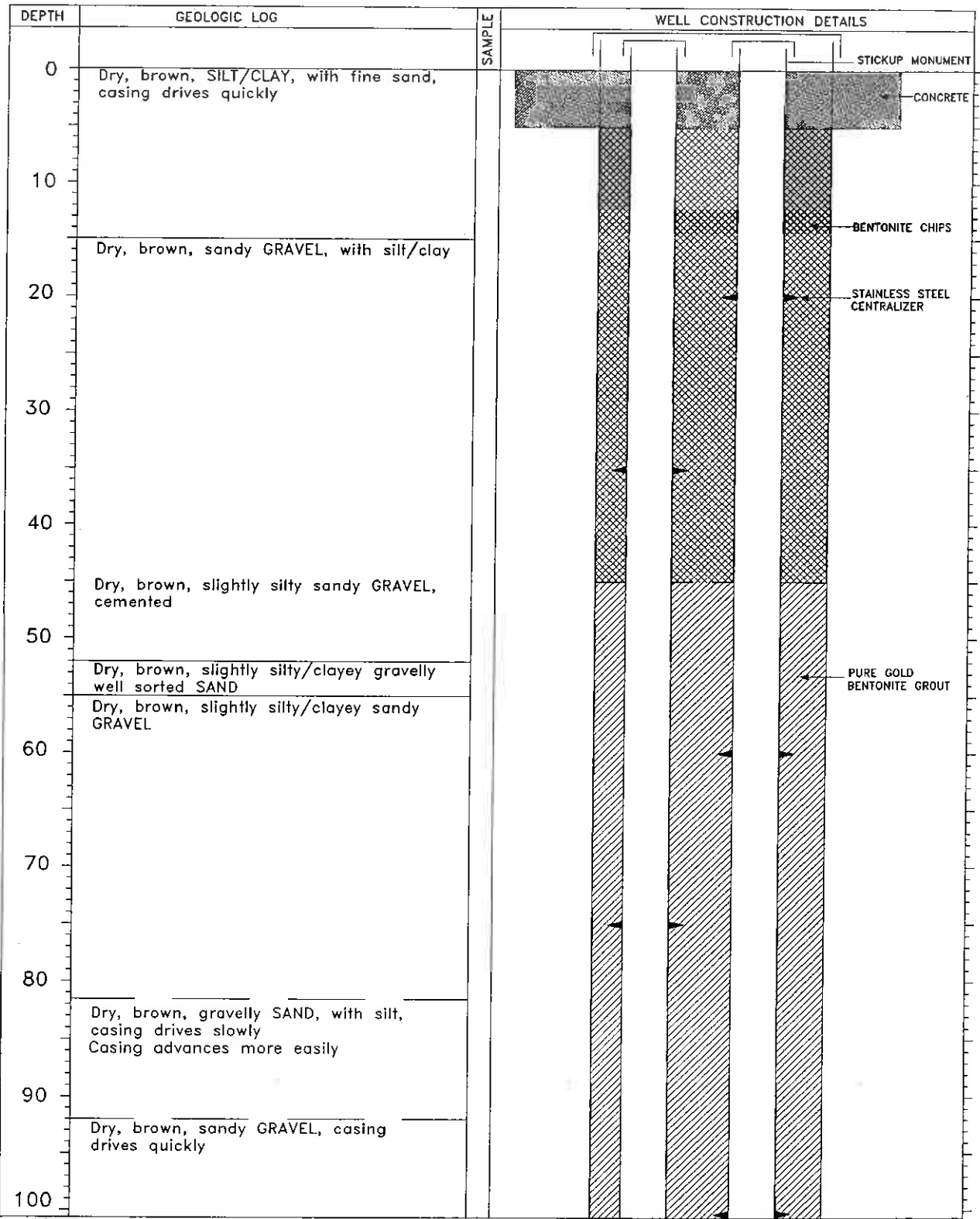
LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION: 774.55 on 12/21/93
 INSTALLED: 11/15/93 to 11/17/93
 DEVELOPED: 12/7/93

FIGURE A-1



SNIPES MOUNTAIN LANDFILL MW-5



Page 1

▶ Indicates collected blown-back sample.

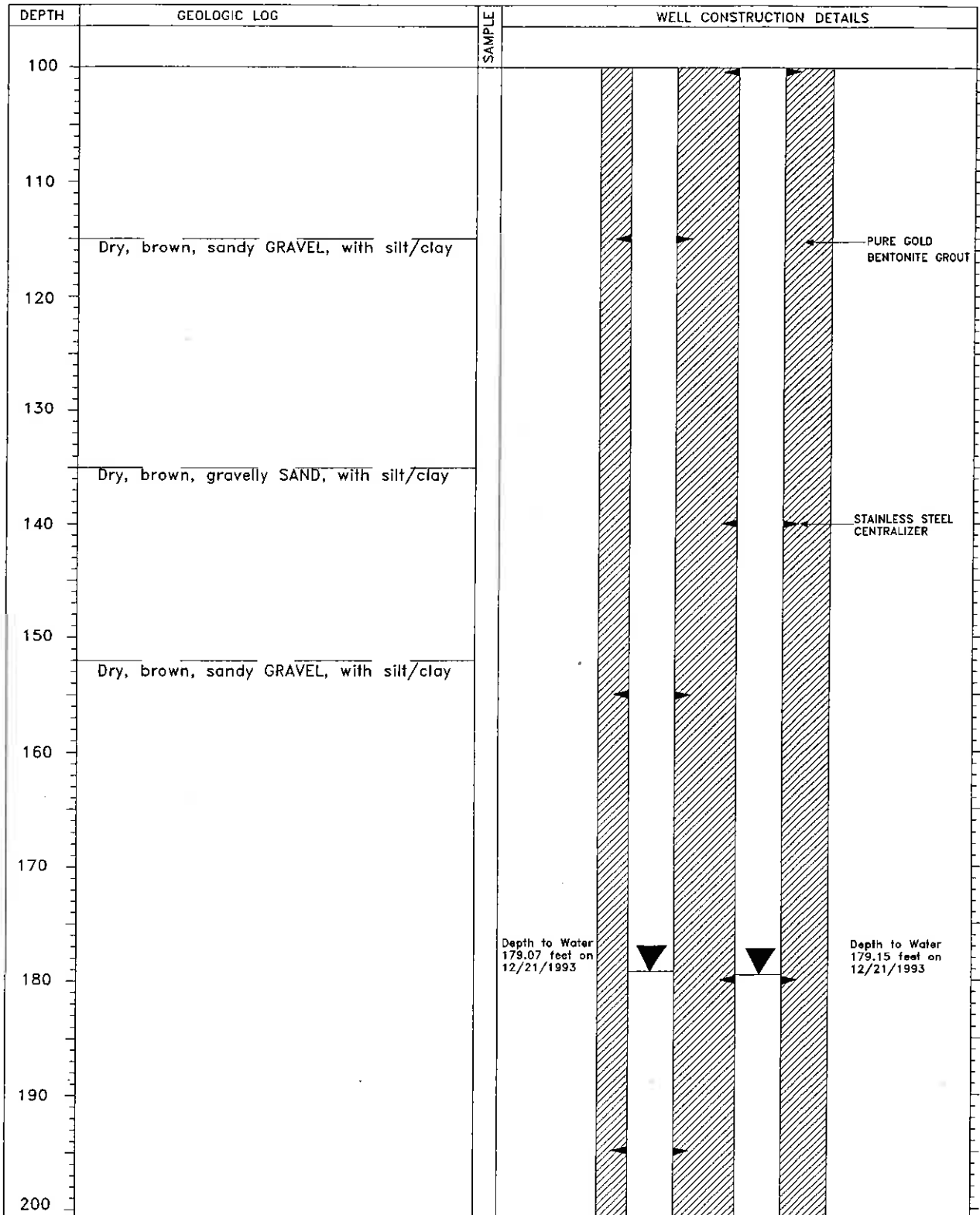
PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-5
 DRILLING METHOD: Air Rotary
 DRILLER: Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E
 MP: TOP OF MONUMENT, ELEVATION = 953.57 FEET
 DATUM: MSL
 WATER LEVEL ELEVATION:
 SHALLOW: 774.50 on 12/21/93
 DEEP: 774.42 on 12/21/93
 INSTALLED: 11/18/93 to 12/2/93
 DEVELOPED: 12/7/93 to 12/9/93

FIGURE A-2



SNIPES MOUNTAIN LANDFILL MW-5



Page 2

▲ Indicates collected blown-back sample.

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-5
 DRILLING METHOD: Air Rotary
 DRILLER: Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

LOCATION: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30, T10N, R22E

DATUM: NGVD

WATER LEVEL ELEVATION:

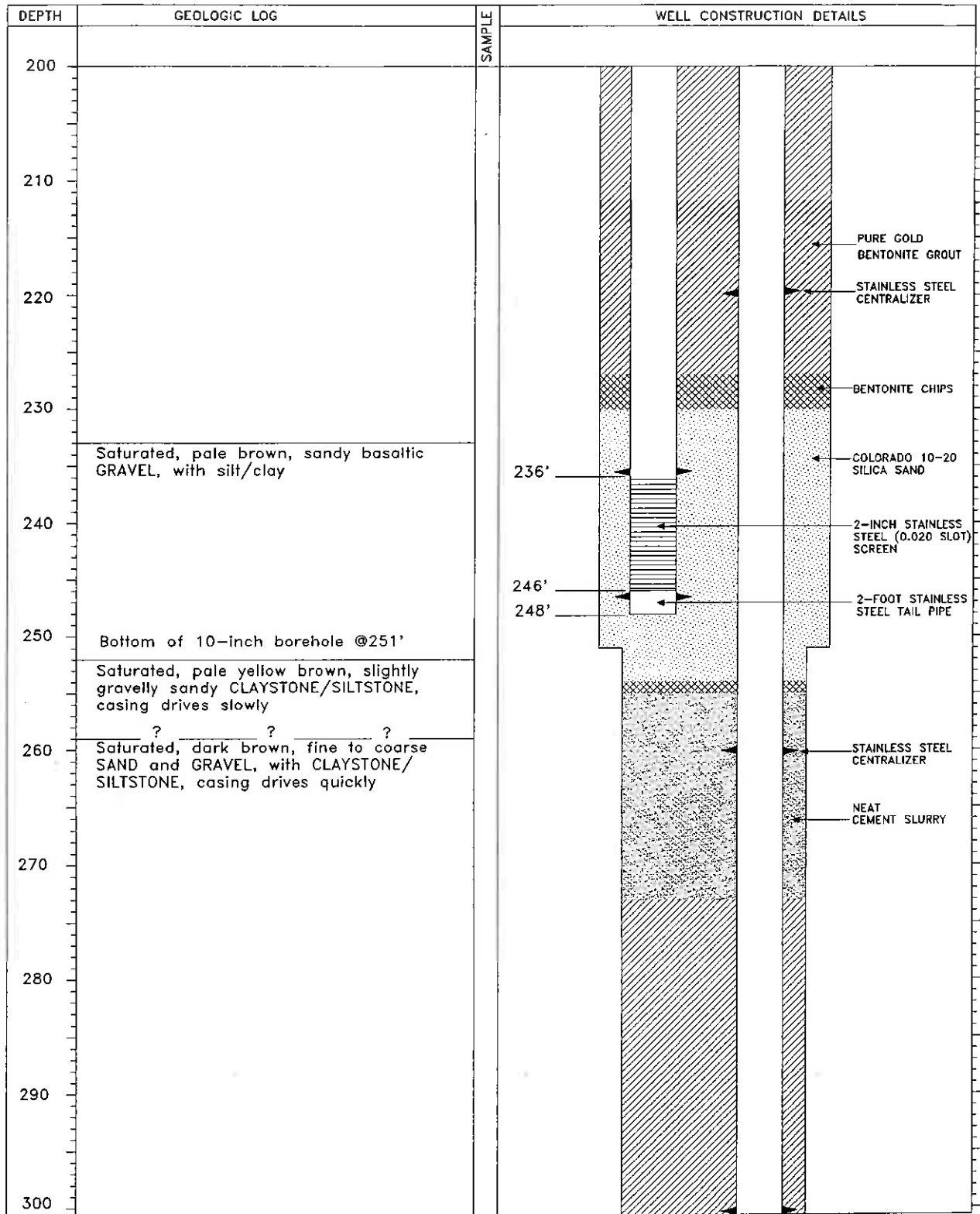
SHALLOW: 774.50 on 12/21/93
 DEEP: 774.42 on 12/21/93

INSTALLED: 11/18/93 to 12/2/93
 DEVELOPED: 12/7/93 to 12/9/93

FIGURE A-2



SNIPES MOUNTAIN LANDFILL MW-5



Page 3

▲ Indicates collected blown-back sample.

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-5
 DRILLING METHOD: Air Rotary
 DRILLER: Driller's Name
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group, Inc.
 REPRESENTATIVE: Ali Tabaei

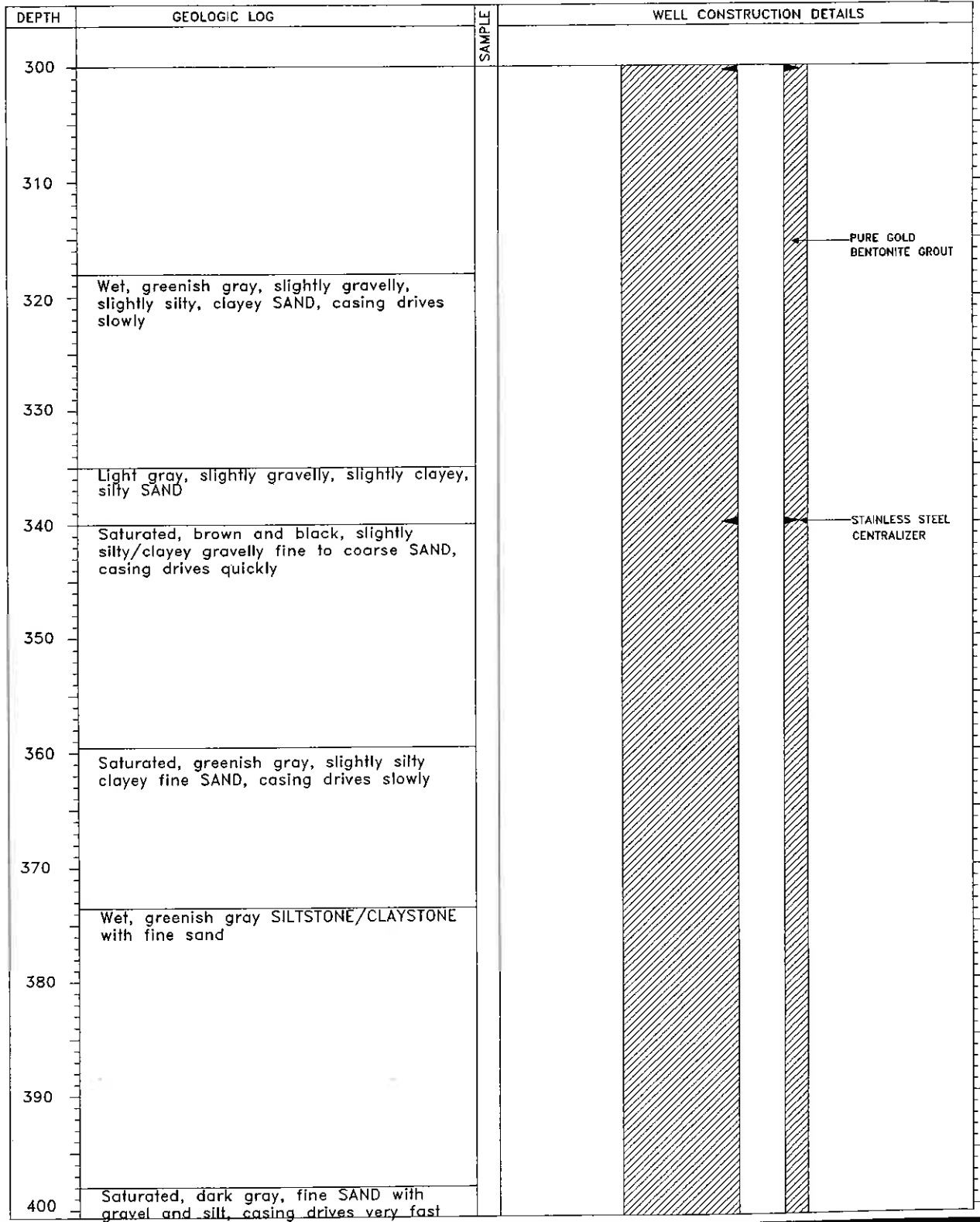
LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION:
 SHALLOW: 774.50 on 12/21/93
 DEEP: 774.42 on 12/21/93
 INSTALLED: 11/18/93 to 12/2/93
 DEVELOPED: 12/7/93 to 12/9/93

FIGURE A-2



SNIPES MOUNTAIN LANDFILL MW-5



Page 4

▲ Indicates collected blown-back sample.

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-5
 DRILLING METHOD: Air Rotary
 DRILLER: Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

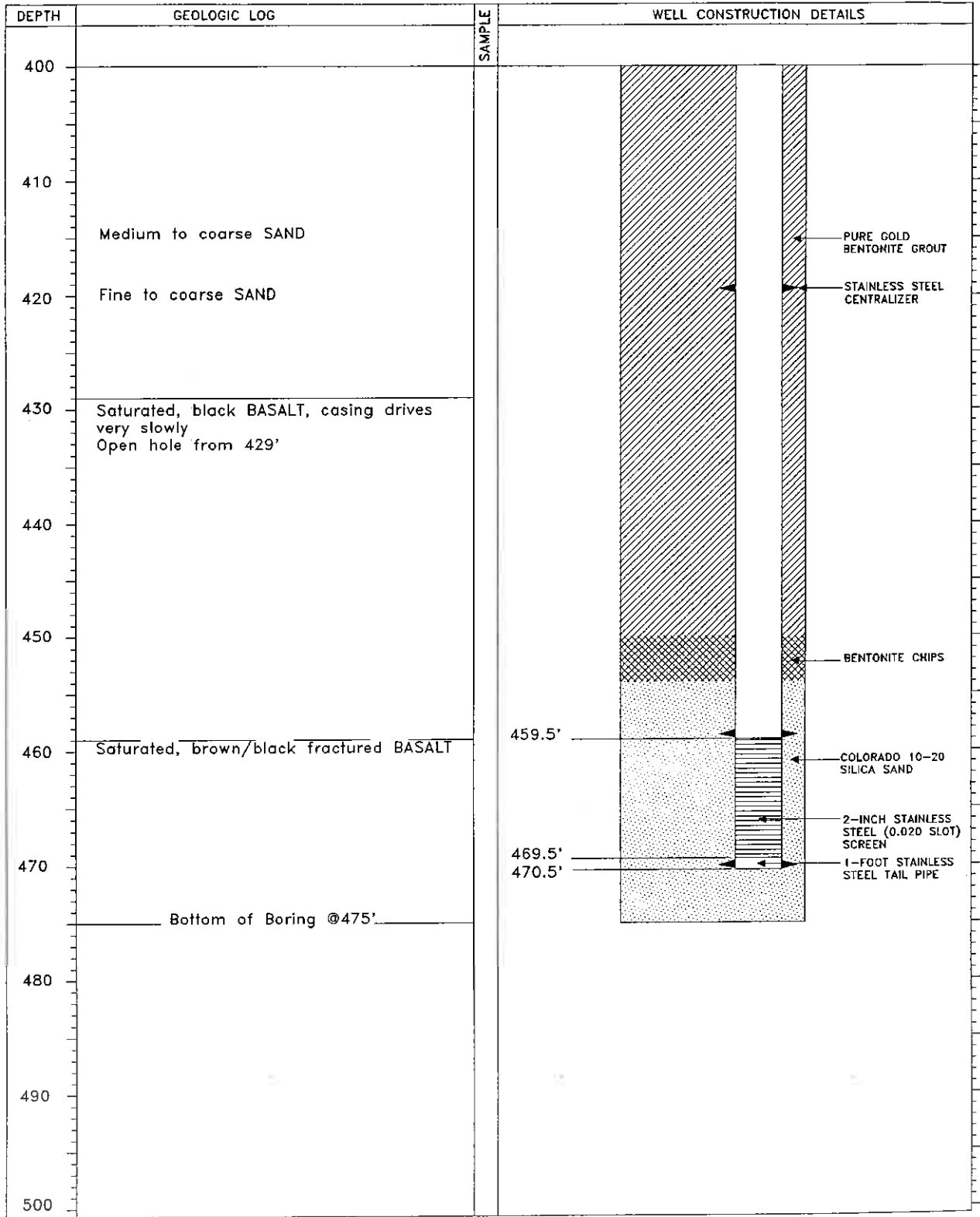
LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION:
 SHALLOW: 774.50 on 12/21/93
 DEEP: 774.42 on 12/21/93
 INSTALLED: 11/18/93 to 12/2/93
 DEVELOPED: 12/7/93 to 12/9/93

FIGURE A-2



SNIPES MOUNTAIN LANDFILL MW-5



Page 5

▲ Indicates collected blown-back sample.

PROJECT NAME: Snipes Mountain Landfill
 WELL IDENTIFICATION NUMBER: MW-5
 DRILLING METHOD: Air Rotary
 DRILLER: Steve Zimmerman
 FIRM: Staco Well Services, Inc.
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: Ali Tabaei

LOCATION: NW¼ NW¼ Sec. 30, T10N, R22E

DATUM: NGVD
 WATER LEVEL ELEVATION:
 SHALLOW: 774.50 on 12/21/93
 DEEP: 774.42 on 12/21/93

INSTALLED: 11/18/93 to 12/2/93
 DEVELOPED: 12/7/93 to 12/9/93

FIGURE A-2



C. Domestic and Supply Well Boring Logs

1) OWNER: Name DEPT. OF NAT. RES. Address _____

2) LOCATION OF WELL: County GRANT YAKIMA SW 1/4, NW 1/4, Sec 30, T. 10 N., R. 22 E. W.M. E
and distance from section or subdivision corner 1068.44 S 76° 22' E from N 1/4 Cor on West line 30-10N-22E

PROPOSED USE: Domestic Industrial Municipal
Irrigation Test Well Other

3) TYPE OF WORK: Owner's number of well (if more than one) _____
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

5) DIMENSIONS: Diameter of well 16x12 inches.
Drilled 885 ft. Depth of completed well 885 ft.

6) CONSTRUCTION DETAILS:
Casing installed: 16" Diam. from +2 ft. to 210 ft.
Threaded 12" Diam. from 201 ft. to 771 ft.
Welded _____" Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 55 ft.
Material used in seal bentonite
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name _____
Type: _____ HP _____

7) WATER LEVELS: Land-surface elevation 826 ft.
Static level 29 1/2 ft. below top of well Date 6-28-75
Piezometric pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Is a pump test made? Yes No If yes, by whom? Fosseens
Rate: 900 gal./min. with 10 ft. drawdown after 4 1/2 hrs.
1450 " 36 " " 7 "
1650 " 44 1/2 " " 10 "

Flowmeter data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2:00	76	12:01	30	12:02	36
12:05	37	12:09	57		

Duration of test 6-3-75
Rate 100 gal./min. with no _____ ft. drawdown after 1 hrs.
Maximum flow _____ g.p.m. Date _____
Temperature of water 69 Was a chemical analysis made? Yes No

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Fill	0	8
Clay, sandy, tan	8	27
Conglomerate, tan	27	31
Sand, brownish, med. to fine, s. gra	43	55
Sand, brown, loose, water	55	67
Conglomerate, tan	67	148
Gravel, sand, silt, tan, loose	148	170
Cong. tan, firm	170	202
Cong. yellowish tan, clean, water	202	208
Cong. tan, heavy silt, sandy	208	220
Cong. tan heavy silt, loose	220	225
cong. tan silted	225	233
Gravel, sand, silt, loose	233	263
Cong. tan, gray	263	304
Cong. blue gray, small gravel	304	334
Clay, blue, sticky	334	338
Cong. blue gray, some water	338	347
Cong. blue gray, sandy, silty	347	360
Cong. gray, firm	360	412
Sand, gray, soft, no water, silted	412	442
Clay, light green, sticky	442	445
Sandstone, gray, little water	445	455
Sand, gray, loose, fine to med.	455	470
Clay, gray, sticky	470	474
Cong. gray,	474	481
Compacted sand, silt, gray, wood, v	481	500
Cong. gray,	500	551
clay, greenish brown, sort	551	558
cong. greenish gray,	558	577
Cong. clay sand gravel, greenish	577	595
Cong. gray,	595	611
Clay, green	611	622
Cong. gray	622	653
Clay, green, some sticky	653	701
Clay, gray green	701	733
Clay, gray, sandy, sticky	733	759

Work started 7-15, 1974. Completed 6-20, 1974

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Cassel Well Drilling (Person, firm, or corporation) (Type or print)

Address 1306 Voelker, Yakima, Wn

[Signed] [Signature] (Well Driller)

License No. 0073 Date 7-7-75, 1975

ok/ur



The Dep. The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 50070
Permit No. 10233
PAGE 2 of 2

Name: DNR Address:

LOCATION OF WELL: County: Sec. T. N. R. W.M.

PROPOSED USE: Domestic Industrial Municipal
Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well (if more than one).....
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well inches.
Drilled.....ft. Depth of completed well.....ft.

(6) CONSTRUCTION DETAILS:
Casing installed: " Diam. from ft. to ft.
Threaded " Diam. from ft. to ft.
Welded " Diam. from ft. to ft.
Perforations: Yes No
Type of perforator used.....
SIZE of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

Screens: Yes No
Manufacturer's Name.....
Type..... Model No.....
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes No Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes No To what depth? ft.
Material used in seal.....
Did any strata contain unusable water? Yes No
Type of water?..... Depth of strata.....
Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
Type: HP.....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... ft.
Static level 38 ft. below top of well Date 6-20-75
Artesian pressure lbs. per square inch Date.....
Artesian water is controlled by..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs
" " " " " "
" " " " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level | Time Water Level | Time Water Level
..... | |
..... | |
..... | |
Date of test
Test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date.....
Temperature of water Was a chemical analysis made? Yes No

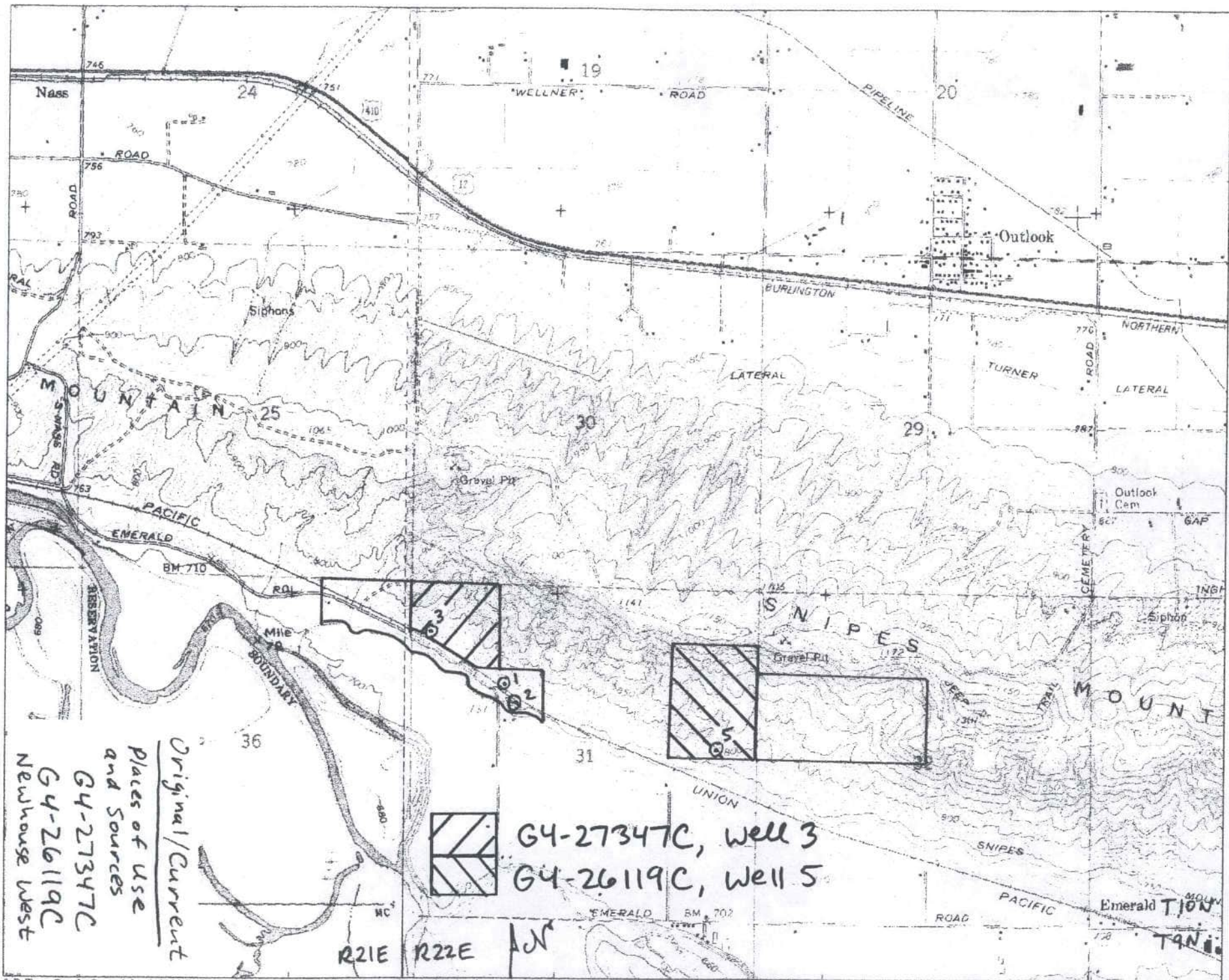
(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sand, gray, with brown clay lenses	739	742
Clay, gray, sticky	742	744
Sandstone, compacted sand, gray narrow brown clay lenses	744	752
clay, sandy, green	752	766
Basalt, black, with green clay	766	783
Basalt, black, with white clay	783	800
some water		
Basalt, black, honeycomb, water	800	811
Basalt, gray, hard	811	814
Basalt, black, seamed, water, clean	814	831
Basalt, black, very abrasive, seamed	831	836
Basalt, black, clean, fractured good water bearing	836	845
Basalt, black, fractured, clean, losing some cuttings, water	845	850
Basalt, no cuttings, fractured, loose, clean good water sign	850	854
Basalt, gray, firm	854	860
Soft, multi-colored gray rock very clean, fractured, water	860	867
Sandstone, or compacted sand, gray green, with narrow gray and green clay lenses	867	885



Static water level after test leveled on about 38 ft. Checked 6-20-75. Apparently developing of a lower head aquifer during test process lowerd well static.

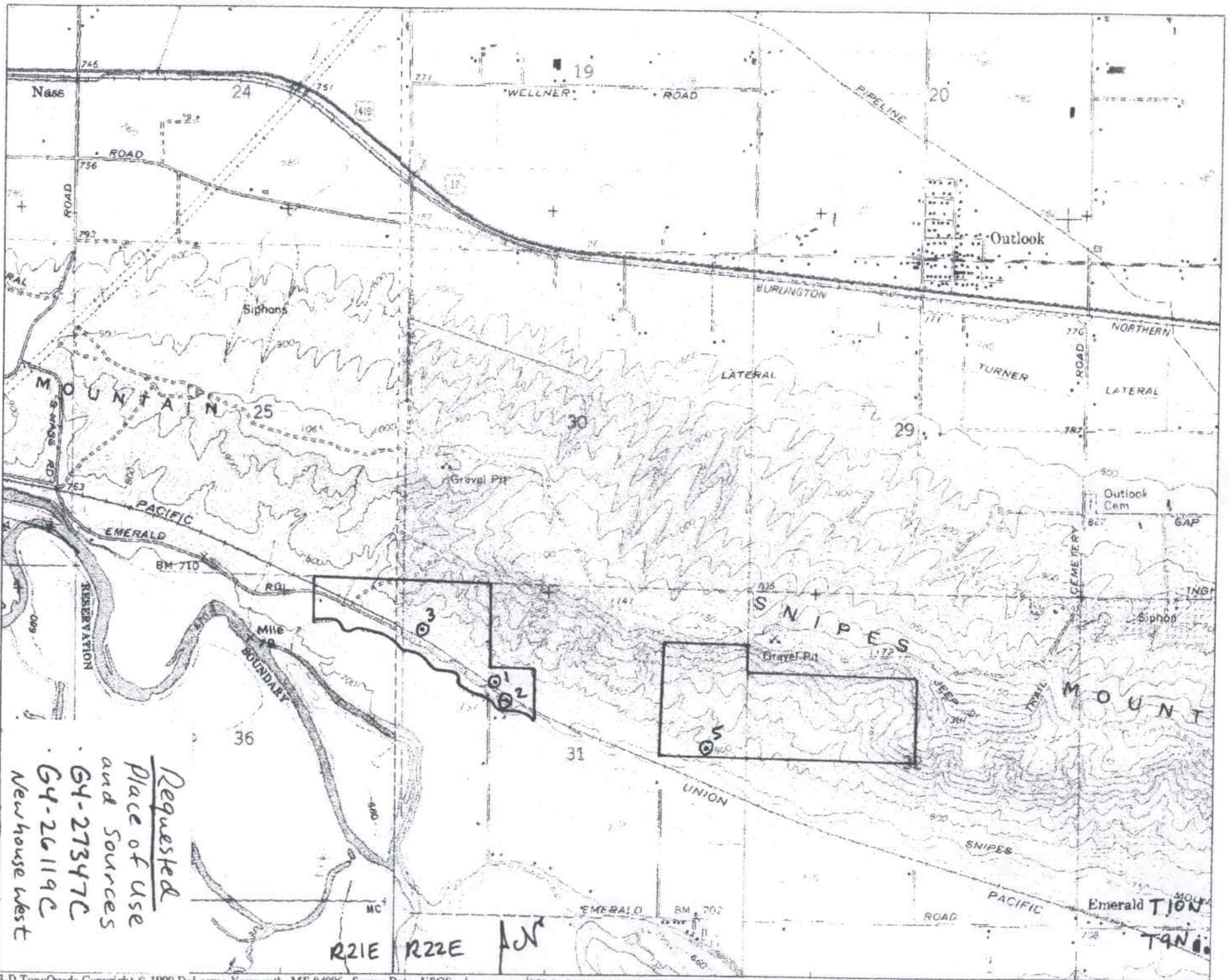
Work started....., 19..... Completed....., 19.....

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME..... (Person, firm, or corporation) (Type or print)
Address.....
[Signed] Larry R. Cassel (Well Driller)
License No..... Date....., 19.....



Original/Current
 Places of Use
 and Sources
 G4-27347C
 G4-26119C
 Newhouse West

 G4-27347C, Well 3
 G4-26119C, Well 5



Requested
Place of use
and Sources
G4-27347C
G4-26119C
Newhouse West

R21E R22E AN

Request Summary

Change of G4-27347C, G4-26119C

A common place of use is requested to allow an integrated system to serve the irrigation project efficiently. Shared wells are requested to allow redundant sources and flexibility of supply. These wells all withdraw from the Saddle Mountains Basalt Formation aquifer. The applicant conducted a water use study during the 2003 irrigation season, resulting in a use estimate of 14 inches for vineyard on drip irrigation and 42 inches for vineyard on sprinkler irrigation. The applicant estimates 48 inches usage on orchard, sprinkler irrigation.

The requested conversion of water savings to added acres is summarized below.

G4-27347C. Beneficial use of 34 acres orchard, sprinklers. Maximum duty limited by water right to 45.5 inches average. Water savings by conversion of 18 acres to drip irrigation. Assuming an average 14 inch water duty with conversion yields 47 af/yr in water savings. Requested for adding 24 water right acres (average duty 2 feet (24 inches) on mixed cropping). Final quantities of 58 water right acres, 129 af/yr, 300 gpm.

G4-26119C. Beneficial use of 12 acres orchard, sprinklers (48 af/yr); and 30 acres vineyard, sprinklers (105 af/yr); totaling 42 acres, 153 af/yr (not 50 acres as stated on certificate). Water savings by conversion of 30 acres to drip irrigation. Assuming an average 14 inch water duty with conversion yields 70 af/yr in savings. Requested for adding 55 water right acres (average duty 1.3 feet (15 inches) on 55 acres mixed cropping). Final quantities of 97 water right acres, 153 af/yr, 500 gpm.

Place of Use – West

G4-27347C, G4-26119C

In T. 10 N., R. 22 E.W.M.

Section 32: S1/2NW1/4.

Section 31: Portions of W1/2NW1/4 and W1/2SE1/4NW1/4 lying N of lateral;
SE1/4NE1/4 and S1/2NE1/4NE1/4 EXCEPT the N 198 feet thereof.

In T. 10 N., R. 21 E.W.M.

Section 36: NE1/4NE1/4 lying N of lateral.

Parcels: All or portions of 221032-23001; 221031-14001, 24003, 24006, 23001,
23004, 22003, 22004, 22001; 211036-11004, 11002, 12403, 11003,
11001.

Well Sources – West

- Well 1: 1200 feet west and 1100 feet north of center Sec. 31,
w/in SE1/4NW1/4 Sec. 31, T. 10 N., R. 22 E.W.M.
Original source for G4-25799C (cert. not being changed).
- Well 2: 1100 feet west and 800 feet north of center Sec. 31,
w/in SE1/4NW1/4 Sec. 31, T. 10 N., R. 22 E.W.M.
Added source for G4-25799C (cert. not being changed).
- Well 3: 800 feet south and 300 feet east from the NW corner Sec. 31,
w/in NW1/4NW1/4 Sec. 31, T. 10 N., R. 22 E.W.M.
Original source for G4-27347C.
- Well 5: 620 feet west and 50 feet north of the E1/4 corner Sec. 31,
w/in SE1/4NE1/4 Sec. 31, T. 10 N., R. 22 E.W.M.
Original source for G4-26119C.

Attachment

Change of G4-27347C and G4-26119C
Newhouse West

WATER WELL REPORT

STATE OF WASHINGTON

Application No 64-25299
Permit No _____

(1) OWNER Name ALFRED Newhouse Address Rt 1 Box 1164 Sunnyside, WA
(2) LOCATION OF WELL County YAKIMA City NEWBERRY, WA Sec 31 T 12 N 22 W 31
Bearing and distance from section or subdivision corner 50 E 3 200.30 N 1/2 E OF SEC 31 OF NW 1/4

(3) PROPOSED USE Domestic Industrial Municipal
Irrigation Test Well Other
(4) TYPE OF WORK Owners use (if more than one)
New well Bored Dug Erod
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS Diameter of well 10 inches
Drilled 400 ft. Depth of completed well 400 ft.

(6) CONSTRUCTION DETAILS
Casing installed _____ Diam from _____ ft to _____ ft.
Threaded _____ Diam from _____ ft to _____ ft.
Welded 10 Diam from 0 ft to 300 ft.

Perforations. Yes No
Type of perforator used _____
SIZE of perforations _____ in by _____ in
_____ perforations from _____ ft to _____ ft
_____ perforations from _____ ft to _____ ft
_____ perforations from _____ ft to _____ ft

Screens. Yes No
Manufacturer's Name _____
Type _____ M del No _____
Diam _____ Slot size _____ from _____ ft to _____ ft
Diam _____ Slot size _____ from _____ ft to _____ ft

Gravel packed Yes No Size of gravel _____
Gravel placed from _____ ft to _____ ft.

Surface seal. Yes No To what depth? 100 ft.
Material used to seal Puddle Patch
Did any strata contain unusual water? Yes No
Type of water _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP Manufacturer's Name _____
Type _____ H.P. _____

(8) WATER LEVELS Land-surface elevation _____ ft
Static level 45 ft. below top of well Date 6/24/78
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (Cap valve if)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Pump test _____ gal/min with _____ ft drawdown after _____ hrs
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG

Form (log) to describe by color, texture, size of material and structure and thickness in feet, quality and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay	0	28'
Reddish Clay	28'	128'
Consolidated Gravel	128'	135'
Blue Clay & Shale	135'	330'
Brown Gravel	330'	355'
Red Clay	355'	365'
Green Gravel	365'	400'

Work started 4/6/78 Completed 6/21/78

WELL DRILLER'S STATEMENT

This well was drilled under my direct supervision and this report is true to the best of my knowledge and belief.

NAME Watkins Well Drilling Co.
(Person, firm or corporation) (Type or print)
Address Rt 2 Box 24579, Renton, WA
[Signed] James L. Watkins
(Well Driller)
License No 0516 Date 7/1/78

WELL 1



APPLICATION FOR PERMIT
TO AFFECT APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

SURFACE WATER GROUND WATER

RECEIVED

JAN 25 1979

\$10.00 MINIMUM STATUTORY EXAMINATION FEE REQUIRED WITH APPLICATION
(GRAY BOXES FOR OFFICE USE ONLY)

DEPARTMENT OF ECOLOGY
CENTRAL RECORDS OFFICE

APPLICATION NO G426119	W.R.I.A. 37	COUNTY Yakima	PRIORITY DATE 1-25-79	TIME	ACCEPTED MD
APPLICANT'S NAME Stephen A. + John Newhouse			BUSINESS TEL 837-2867		HOME TEL 837-3717
ADDRESS (STREET) RT 1 Box 1166 (Sunnyside Wash.)			(CITY)		(STATE)
DATE & PLACE OF INCORPORATION IF APPLICANT IS A CORPORATION					(ZIP CODE) 98944

1. SOURCE OF SUPPLY

IF SURFACE WATER SOURCE (NAME OF STREAM, LAKE, SPRING, ETC.) (IF UNNAMED, SO STATE)	IF GROUND WATER SOURCE (WELL, TUNNEL, INFILTRATION TRENCH, ETC.)
TRIBUTARY	Well SIZE AND DEPTH 10" diam, 450' Deep

2. USE

USE TO WHICH WATER IS TO BE APPLIED (DOMESTIC SUPPLY, IRRIGATION, MINING, MANUFACTURING, ETC.)
Irrigation & CONTINUOUS DOMESTIC SUPPLY

ENTER QUANTITY OF WATER REQUESTED USING UNITS OF	CUBIC FEET PER SECOND CFS	OR	GALLONS PER MINUTE 500 GPM	ACRE FEET PER YEAR
--	------------------------------	----	--------------------------------------	--------------------

TIMES DURING YEAR WATER WILL BE REQUIRED
April thru Sept. Continuous for domestic supply and irrigation during irrigation season

IF IRRIGATION NUMBER OF ACRES 50 ACRES	IF DOMESTIC USE NUMBER OF UNITS BY TYPE, E.G. 1-HOME, 1-MOBILE HOME, 2-CAMP SITES, ETC.	IF MUNICIPAL USE, ESTIMATED POPULATION 20 YEARS FROM TODAY
DATE PROJECT WAS OR WILL BE STARTED 2-15-79	DATE PROJECT WAS OR WILL BE COMPLETED	

3. LOCATION OF POINT OF DIVERSION/WITHDRAWAL

3A. IF IN PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)	SECTION	TOWN	RANGE	ALSO, PLEASE ENCLOSE A COPY OF THE PLAT AND MARK THE POINT(S) OF WITHDRAWAL OR DIVERSION
			31	10	22	

3B. IF NOT IN PLATTED PROPERTY

ON ACCOMPANYING SECTION MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION SHOW NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER OR PROPERTY CORNER

ALSO, ENTER BELOW THE DISTANCES FROM THE NEAREST SECTION CORNER TO THE DIVERSION OR WITHDRAWAL
620' west of S.E. corner of N.E. 1/4

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) (SE 1/4 NE 1/4)	SECTION 31	TOWNSHIP N 10	RANGE (E OR W) W.W. 22	COUNTY Yakima
---	----------------------	-------------------------	----------------------------------	-------------------------

4. DO YOU OWN THE LAND ON WHICH THIS SOURCE IS LOCATED IF NOT, INSERT NAME & ADDRESS OF OWNER
Yes

5. LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

ATTACH A COPY OF THE LEGAL DESCRIPTION OF THE PROPERTY (ON WHICH THE WATER WILL BE USED) TAKEN FROM A REAL ESTATE CONTRACT, PROPERTY DEED OR TITLE INSURANCE POLICY, OR COPY CAREFULLY IN THE SPACE BELOW

**S.E. 1/4 of N.E. 1/4 - 31-10-22 &
S 1/2 NE 1/4 NE 1/4 " " " " Yakima Co.
Wash.**

WELL 5 (no log)

file

CERTIFICATE OF WATER RIGHT

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE March 2, 1981	APPLICATION NUMBER G4-27347	PERMIT NUMBER G4-27347P	CERTIFICATE NUMBER G4-27347C
--------------------------------	--------------------------------	----------------------------	---------------------------------

NAME D & G FARMS			
ADDRESS (STREET) Route 1, Box 1212A	(CITY) Sunnyside,	(STATE) Washington	(ZIP CODE) 98944

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
A well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 300	MAXIMUM ACRE-FEET PER YEAR 129
-------------------------------	-----------------------------------	-----------------------------------

QUANTITY, TYPE OF USE, PERIOD OF USE
For irrigation of 34 acres from April 1 to October 31.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
800 feet south and 300 feet east from the northwest corner of Section 31.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) Gov. Lot 1 (NW $\frac{1}{4}$ NW $\frac{1}{4}$)	SECTION 31	TOWNSHIP N. 10	RANGE, (E. OR W.) W.M. 22 E.	W.R.J.A. 37	COUNTY Yakima
--	---------------	-------------------	---------------------------------	----------------	------------------

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

That portion of Government Lot 1 (NW $\frac{1}{4}$ NW $\frac{1}{4}$) lying north of Union Pacific Railroad in Section 31, T. 10 N., R. 22 E.W.M., Yakima County.

PROVISIONS

Installation and maintenance of an access port as described in Groundwater Bulletin No. 1 is required. An air line and gage may be installed in addition to the access port.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells.)

This authorization to use public water of the state is classified as a FAMILY FARM PERMIT in accordance with Chapter 90.66 RCW (Initiative Measure No. 59). This means the land being irrigated under this authorization shall comply with the following definition: Family Farm- a geographic area including not more than 2,000 acres of irrigated agricultural lands, whether contiguous or noncontiguous, the controlling interest in which is held by a person having a controlling interest in no more than 2,000 acres of irrigated agricultural lands in the State of Washington which are irrigated under water rights acquired after December 8, 1977. Furthermore, the land being irrigated under this authorization must continue to conform to the definition of a family farm.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Yakima Washington, this 31st day of March, 1987.

Department of Ecology

ENGINEERING DATA

OK *RFB*

BJ:vaw

by *Russell K Taylor*

RUSSELL K TAYLOR, P.E., REGIONAL MANAGER

FOR COUNTY USE ONLY

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

33270

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W039173

UNIQUE WELL I.D. # _____

Water Right Permit No. _____

(1) OWNER: Name Yakima County Public Works Address _____

(2) LOCATION OF WELL: County YAKIMA JW 1/4 SW 1/4 Sec 30 T. 10 N. R. 22 W.M. N

(2a) STREET ADDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 413 feet. Depth of completed well 413 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 43 ft. to 413 ft.
Welded " Diam. from _____ ft. to _____ ft.
Liner installed " Diam. from _____ ft. to _____ ft.
Threaded " Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used Torch-cut
SIZE of perforations 3 in. by 18 in.
125 perforations from 353 ft. to 393 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 170 ft.
Material used in seal BENTONITE with PACKER
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation _____ ft.
Static level 212 ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " " " "
" " " " " "

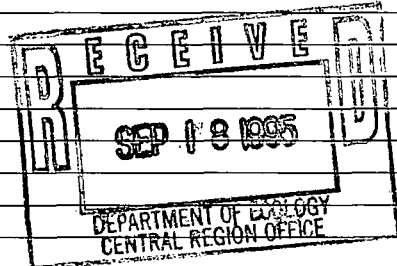
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airstest 30-40 gal./min. with stem set at 373 ft. for 2 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
CEMENTED COBBLES	0	70
SANDSTONE	70	130
BROWN BASALT	130	140
BLACK BASALT	140	200
SANDSTONE	200	250
SANDSTONE-CLAY (WATER)	250	290
BLUE CLAY - SANDSTONE	290	410
SANDSTONE (WATER)	410	415



Work Started 6-7 19. Completed 6-24 19 95

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Bach Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 3340 WILSON CR., ELLENSBURG, WA.
(Signed) Mike Bach License No. 22
(WELL DRILLER)

Contractor's Registration No. MIKE BDC 13304 Date 7-5 19 95

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.



