

# Coke Point and Greys Landfills Semi-Annual Groundwater Monitoring Report 2<sup>nd</sup> Half 2013

Prepared for:

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# Coke Point and Greys Landfills Semi-Annual Groundwater Monitoring Report 2<sup>nd</sup> Half 2013

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## 1.0 Introduction

This report presents July - December 2013 semi-annual groundwater monitoring results for the Coke Point and Greys Landfills at the Sparrows Point facility. Groundwater data and analysis is included that is meant to fulfill the applicable ongoing groundwater compliance monitoring requirements for the landfills as outlined in the Coke Point and Greys Landfill Sampling Plan letter received from the Maryland Department of the Environment (MDE) on December 3, 2012.

The following data collection activities occurred during the second half of 2013:

- water level measurements in groundwater monitoring wells;
- sampling of groundwater monitoring wells; and
- laboratory analysis of monitoring well samples.

Results of the above investigations are described and presented in this report. This report:

- Provides field data sheets and laboratory reports documenting groundwater sample collection;
- Presents the water level data collected;
- Provides laboratory reports for sample analyses;
- Tabulates laboratory analytical data in time-series format;
- Discusses the water quality results;
- Includes location maps for the landfills with monitoring well locations posted;
- Includes groundwater contour maps for the shallow zone and intermediate groundwater zones at the landfills; and
- Includes other figures developed to present the monitoring information.



## 2.0 Site Description

Coke Point Landfill occupies land on the southern edge of the Sparrows Point property located in southeastern Baltimore County (Figure 1). Coke Point Landfill was used for disposal of non-hazardous industrial waste generated on-site during steel production. Recent activities include recycling efforts to recover iron bearing materials from the landfill.

Greys Landfill occupies approximately 40 acres on the north side of the Sparrows Point property, between I-695 and the Peninsula Expressway (Figure 1). Greys Landfill has been used for the disposal of industrial waste generated on-site during steel production and is currently being utilized for ongoing non-hazardous waste disposal associated with the continuing operation of the wastewater treatment facility and demolition activities.

Monitoring well location maps are included for Coke Point and Greys Landfills (Figures 2 and 3 respectively). The maps have been annotated to show the surveyed locations of groundwater monitoring wells installed to provide monitoring data for the landfills. Groundwater at the landfill sites is monitored via a series of monitoring wells, which are mostly completed in clusters, with one shallow well and one or more intermediate wells. The shallow wells are completed with well screens situated to monitor the unconfined shallow groundwater zone. These are considered water table wells. Well screens in the shallow monitoring wells typically straddle elevation 0. The intermediate wells are completed with well screens in native sand layers at screen top elevations ranging from roughly -10 to -60 feet in depth. Among the intermediate wells, the deeper screens are generally located near the southern edge of Coke Point Landfill. Between the shallow and the intermediate well screens there are generally one or more layers of low permeability materials that tend to restrict vertical groundwater communication.

## 3.0 Groundwater Monitoring Procedures

### 3.1 Coke Point Landfill

Nineteen wells were sampled in September 2013 at Coke Point Landfill for the 2<sup>nd</sup> half 2013 semi-annual monitoring effort. The locations of the monitoring wells are shown on Figure 2; a summary of the monitor well construction details is presented in Table 1.

The monitoring parameters for the site were specified in the December 3, 2012 MDE letter and included Table I (Volatile Organic Compounds) and Table II (Elements and Indicator Parameters). In addition, six groundwater monitoring wells were selected for sampling and analysis of Semi-Volatile Organic Compounds. The wells were selected based on notable detections of semi-volatile organic compounds from review of historical data at the landfill.

Data summary tables presenting the monitoring well groundwater sampling results in time-series format are presented in Appendix A (Table I Volatile Organic Compounds), Appendix B (Table II Elements and Indicator Parameters), and Appendix C (Semi-Volatile Organic Compounds). To ease visual review of the tables, the data are separated so that time series results for an individual well are contained on the same table. Analyses were performed by Pace Laboratories, Inc. using EPA methods.

### 3.2 Greys Landfill

Thirty wells were sampled in September 2013 at Greys Landfill for the 2<sup>nd</sup> half 2013 semi-annual monitoring effort. The locations of the monitoring wells are shown on Figure 3; a summary of the monitor well construction details is presented in Table 2.

The monitoring parameters for the site were specified in the December 3, 2012 MDE letter and included Table I (Volatile Organic Compounds) and Table II (Elements and Indicator Parameters). In addition, six groundwater monitoring wells were selected for sampling and analysis of Semi-Volatile Organic Compounds. The wells were selected based on notable detections of semi-volatile organic compounds from review of historical data at the landfill.

Data summary tables are presenting the monitoring well groundwater sampling results in time-series format are presented in Appendix D (Table I Volatile Organic Compounds), Appendix E (Table II Elements and Indicator Parameters), and Appendix F (Semi-Volatile Organic Compounds). To ease visual review of the tables, the data are separated so that time series results for an individual well are contained on the same table. Analyses were performed by Pace Laboratories, Inc. using EPA methods.

### **3.3 Groundwater Sampling Procedures**

Groundwater levels were measured and recorded prior to sampling a monitoring well. Water levels were measured with an electronic tape to the nearest 0.01-foot. Water levels were referenced to the top of the surveying inner casing of the wells. Data for groundwater levels as collected in the 2<sup>nd</sup> half of 2013 is tabulated and compared to previous data in Table 3 for Coke Point Landfill and Table 4 for Greys Landfill.

Groundwater samples were collected using a low-flow technique. CSI Environmental, LLC (CSI) personnel utilized a peristaltic pump with dedicated disposable tubing to purge the monitoring wells at a reported purge rate of 150 milliliters per minute. Purging continued until field water quality parameters pH, temperature, dissolved oxygen, specific conductance, salinity, total dissolved solids (TDS), and oxidation-reduction potential (ORP) were stable. Field water quality parameters were monitored in the field by directing the pump discharge into a flow-through cell. A measurement for each field water quality parameter was recorded at a frequency of once every five minutes. After three consecutive measurements indicated stability (defined as variance of less than ten percent for all parameters) the sample was collected.

Samples were collected in laboratory-provided bottle ware and labeled. Care was taken to control flow rates so as to not over-top pre-preserved bottles. A chain of custody form was completed indicating sample number, date, time, and the analyses required. Samples were stored on ice in a cooler until shipped to PACE Analytical Services, Inc. for analysis. Laboratory Certificates of Analysis and Chain of Custody forms can be provided upon request of the Department.

## 4.0 Groundwater Data Evaluation

Depth to water measurements and groundwater monitoring well survey data were used to calculate groundwater elevations and develop groundwater contour maps for the landfills. One groundwater contour map was developed for the shallow groundwater zone and a second map was developed for the intermediate groundwater zone.

Analytical data from samples have been tabulated and evaluated with respect to detections of organic and inorganic compounds. An interpretive discussion of the findings is provided in the following sections.

### 4.1 Coke Point Landfill

#### 4.1.1 Groundwater Elevations and Contours

Groundwater elevations for the Coke Point Landfill monitoring wells collected during the second half of 2013 assessment event are presented in Table 3. These data are shown on groundwater contour maps for the shallow groundwater zone (Figure 4) and the intermediate groundwater zone (Figure 5). Vertical survey data are referenced to the NAVD 1988 datum.

Groundwater elevations associated with the shallow wells are shown on Figure 4. In general, the groundwater elevations are flat with no apparent flow gradient. The elevations ranged between 0.02 to 0.59 feet with differences less than 1 foot between all the shallow wells. Flow directions could not be readily defined based on the elevation data.

Groundwater elevations for the intermediate wells are presented on Figure 5. Groundwater elevations for the intermediate wells are between 0.03 to 0.44 feet, revealing a very flat gradient in this groundwater zone. With the very flat gradient, groundwater flow directions are not readily discernible in the intermediate groundwater zone beneath the landfill.

Groundwater elevations in the shallow wells in each cluster were relatively similar to the groundwater elevations in the corresponding intermediate well (Table 3). These elevations indicate limited potential for downward migration of groundwater from the shallow wells towards the intermediate wells.

#### 4.1.2 Groundwater Quality Evaluation

##### Volatle Organic Compounds

Volatle organic compound (VOCs) results for Coke Point Landfill are presented in Appendix A and posted on maps for shallow (Figure 6) and intermediate (Figure 7) wells to facilitate the review of impact to groundwater in these zones. Data posted on Figures 6 and

7 include only the maximum concentration of any individual VOC compound for the 2<sup>nd</sup> half 2013 period.

VOC results are shown for the shallow groundwater monitoring wells at Coke Point Landfill in Figure 6. Benzene and acetone were the most commonly identified volatile compound. The highest VOC concentration detected in the shallow zone monitoring wells was 25,800 ug/L benzene at well CP08-PZM008. Historical data indicates that benzene values for this monitoring well have ranged between 15,000 ug/L to 25,800 ug/L. Other benzene values were much lower, ranging between non-detect to 738 ug/L.

For the shallow zone, review of Figure 6 shows that the most impacted well (CP08-PZM008) is located on the east side of the landfill approximately 1200 feet from the closest shoreline located to the south of the monitoring well. Groundwater in this area has a flat gradient but can be interpreted to be flowing to the south towards the shoreline. Two monitoring wells south of CP08-PZM008 (CP12-PZM012 and CP14-PZM009) have notably lower benzene concentrations (39.5 ug/L and 70.1 ug/L respectively) providing evidence that the VOC impact is attenuated with distance towards the shoreline from CP08-PZM008.

VOC results are shown for the intermediate groundwater monitoring wells at Coke Point Landfill in Figure 7. The highest VOC concentration detected in the intermediate zone monitoring wells was 253 ug/L benzene at well CP16-PZM035. Historical data indicates that benzene values for this monitoring well have ranged between 229 ug/L to 290 ug/L.

VOC groundwater concentrations are lower in the intermediate zone than in the shallow zone, with the highest individual VOC concentration in September 2013 being 253 ug/L benzene in CP16-PZM035. All other intermediate monitoring wells have maximum VOC concentrations less than 77.5 ug/L. VOC impact to the intermediate wells is relatively muted.

## **SVOCs**

Semi volatile organic compounds (SVOCs) results for Coke Point Landfill are presented in Appendix B. SVOCs compounds are not listed as part of the Table I and Table II requirements outlined in the December 3, 2012 letter; however a subset of the groundwater monitoring wells was sampled based on recommendations from a previous groundwater compliance report for Coke Point Landfill published in 2011.

Six groundwater monitoring wells were sampled and analyzed for SVOCs during the September 2013 sampling event. The wells sampled for SVOCs include CP05-PZM008, CP07-PZM006, CP08-PZM008 and CP15-PZM020 located in the shallow zone and wells CP05-PZM028 and CP16-PZM035 located in the intermediate zone. SVOC results for the Coke Point Landfill are posted on the maps for shallow (Figure 6) and intermediate (Figure 7) wells to facilitate the review of impact to groundwater in these zones.

SVOCs were detected in the six groundwater monitoring wells. In general, the wells with SVOC detections are also wells with VOC detections. Water table wells generally have

higher SVOC concentrations than intermediate wells. The highest SVOC concentration detected among the five wells that were sampled was 385 ug/L naphthalene at well CP08-PZM008, which is located in the shallow zone. Historical data indicates that naphthalene values for this monitoring well have ranged between 190 ug/L to 450 ug/L. The highest SVOC concentration detected in the intermediate groundwater zone was 239 ug/L naphthalene located at CP05-PZM028.

## **Inorganics**

Inorganic compound data for Coke Point Landfill are presented in Appendix C. Individual results for arsenic, chromium and lead are posted on maps for shallow (Figure 8) and intermediate (Figure 9) groundwater monitoring wells to facilitate the review of impact to groundwater in these zones. These metals were selected as representative analytes that provide notable indications of impacts to groundwater either from former site activities or baseline conditions at the site.

Review of the data tables in Appendix C reveals that detections of individual metals are sporadic at the landfill location, indicated limited inorganic compounds impacts to groundwater from the site activities. Review of the representative metal data shown in Figure 8 for the shallow groundwater zone indicates that all three indicator metals were below 0.100 mg/L for all monitoring wells. The highest concentration for the indicator metals was 0.025 mg/L of arsenic at CP02-PZM007, 0.066 mg/L of chromium at CP09-PZM010 and 0.006 mg/L of lead at CP15-PZM020.

Representative metal compounds were detected in the intermediate groundwater wells at Coke Point Landfill; however the concentrations were significantly lower than in the shallow zone (Figure 9). All monitoring wells exhibited concentrations for indicator metals of less than 0.010 mg/L with the exception of well CP08-PZM034 which had a concentration for chromium of 0.013 mg/L. These results confirm limited impacts to intermediate groundwater from site activities and correspond with the lack of vertical groundwater gradient for this area documented from groundwater elevation data.

## **4.2. Greys Landfill**

### **4.2.1 Groundwater Elevations and Contours**

Groundwater elevations for the Greys Landfill monitoring wells collected during the second half of 2013 assessment event are presented in Table 4. These data were developed into a groundwater contour map for the shallow groundwater zone (Figure 10) and the intermediate groundwater zone (Figure 11). Vertical survey data are referenced to the NAVD 1988 datum.

Figure 10 shows representative groundwater levels and groundwater contours for the shallow zone monitoring wells. In general, a water table mound is present beneath the landfill, and groundwater in the shallow zone flows radially from the landfill. Groundwater from beneath the northern and western sides of the landfill appears to largely flow towards Bear Creek to the northwest of the landfill. Shallow groundwater from beneath the

southeastern side of the landfill appears to flow to the southeast; the discharge area for this southeasterly-flowing groundwater is not certain, although it could discharge into manmade drainage ditches or possibly be part of groundwater flow controlled by adjacent surface water drainage features.

Groundwater elevations for the intermediate wells are presented on Figure 11. Groundwater elevations for all but two of the fourteen intermediate wells are between 0.33 to 0.91 feet, revealing a very flat gradient in this groundwater zone. A flow trend towards Bear Creek may be present; however, with the flat gradient, groundwater flow directions are not readily discernible in the intermediate groundwater zone beneath the landfill.

Groundwater elevations in intermediate wells GL-03(-16) and GL-09(-20) did not fall in the range of 0.33 to 0.91 feet (1.29 feet and 5.24 feet respectively). The groundwater elevation in GL-03(-16) has been consistently higher from the July 2009 monitoring event to this event ranging from 4.4 feet to 1.29 feet. GL-09(-20) has varied over time, water level elevations in the second half of 2013 was 5.24 feet. The reason for the differing water levels in these wells is not clear.

Groundwater elevations in the shallow wells in each cluster are higher than the groundwater elevations in the corresponding intermediate well. (Table 4). This indicates that the potential exists for water table mounding and downward migration of groundwater from the shallow wells towards the intermediate wells. This data also indicates that the intervening (lower permeability) geologic materials between the shallow and intermediate wells screens resist groundwater flow, leading to the measureable difference in groundwater elevations.

#### **4.2.2 Groundwater Quality Evaluation**

##### **Volatile Organic Compounds**

Volatile organic compound (VOCs) results for Greys Landfill are presented in Appendix D and posted on maps for shallow (Figure 12) and intermediate (Figure 13) wells to facilitate the review of impact to groundwater in these zones. Data posted on Figures 12 and 13 include only the maximum concentration of any individual VOC compound for the 2<sup>nd</sup> half 2013 period.

VOC results are shown for the shallow groundwater monitoring wells at Greys Landfill in Figure 12. For the shallow zone, review of the maps shows that three wells located on the northern side of the landfill exhibit the highest concentrations of VOCs. These wells include GL-08 (-3), GL-17 (-1) and GL-18 (-3). The highest VOC concentration detected was at well GL-17 (-1) which had a benzene concentration of 10,100 ug/L. This well has had historically high benzene concentrations, with little deviation in the concentration values over the last four years. Groundwater in this area is flowing to the northwest. It is evident from the maps that VOC impact is significantly attenuated with distance from the landfill in the shallow zone. There is a significant decrease in VOC concentration as groundwater in the shallow zone moves down gradient from well GL-17 (-1) towards Bear Creek as monitored by wells GL-19 and TS-01 (-7). Benzene concentrations in these wells were 23.8 and 13.9 ug/L respectively. It is also evident from the maps that there is minimal

or no VOC impact in the shallow zone south of the landfill or west of the landfill, adjacent to Bear Creek.

VOC results are shown for the intermediate groundwater monitoring wells at Greys Landfill in Figure 13. For the intermediate zone, VOC concentrations are significantly lower than in the shallow zone, with the higher individual VOC concentrations in September 2013 identified as 28.7 ug/L benzene in GL-17 (-31 and 133 ug/L benzene in GL-14 (-33). Although the water level data cited in Section 4.2.1 indicate the potential exists for downward migration of groundwater from the shallow wells towards the intermediate wells, the VOC impact to the intermediate wells is relatively muted. This indicates that the intervening (generally lower permeability) geologic materials between the shallow and intermediate well screens resist groundwater flow and contaminant migration.

### **SVOCs**

Semi volatile organic compounds (SVOCs) results for Greys Landfill are presented in Appendix E. SVOCs compounds are not listed as part of the Table I and Table II requirements outlined in the December 3, 2012 letter; however a subset of the groundwater monitoring wells was sampled based on recommendations from a previous groundwater compliance report for Greys Landfill published in 2011.

Six groundwater monitoring wells had samples collected and analyzed for SVOCs during the March 2013 sampling event. The wells sampled for SVOCs include GL-08(-3), GL-09 (-02), GL-17(-1), GL-18(-3) and GL-20(-5) located in the shallow zone and GL-17(-31) located in the intermediate zone. SVOC results for Greys Landfill are posted on the maps for shallow (Figure 12) and intermediate (Figure 13) wells to facilitate the review of impact to groundwater in these zones.

SVOCs were detected in the six groundwater monitoring wells. The data indicate the wells most impacted by SVOCs are GL-08 (-3), GL-17 (-1) and GL-18 (-3) located in the shallow zone, north and northeast of the landfill. The highest SVOC concentration detected in the shallow zone was at well GL-18 (-3) with a naphthalene concentration of 2,200 ug/L. This well has had historically high concentrations of naphthalene, with little to no deviation of the detected values over the past four years.

One well in the intermediate zone was analyzed for SVOCs during the March 2013 sampling event; which was well GL-17 (-31). The only SVOC concentration detected was 1.6 ug/L of 2,4-Dimethylphenol. Based on review of the historical data for SVOC detections in the intermediate zone, there have been minimal or no SVOC detections since 2010.

### **Inorganics**

Inorganic compound data for Greys Landfill are presented in Appendix F. Individual results for arsenic, chromium and lead are posted on maps for shallow (Figure 14) and intermediate (Figure 15) groundwater monitoring wells to facilitate the review of impact to groundwater in these zones. These metals were selected as representative analytes that



provide notable indications of impacts to groundwater either from former site activities or baseline conditions at the site.

Review of the data tables in Appendix F reveals widespread low-level detections of many metals. The hydraulic gradient at the site reveals a groundwater mound in shallow groundwater zones, so up gradient / down gradient comparisons are not direct.

Review of the representative metal data shown in Figure 14 indicates that in the shallow wells all detections of indicator metals were at or below 0.025 mg/L. The highest concentration for the indicator metals was 0.025 mg/L of arsenic at GL-09 (-2), 0.020 mg/L of chromium at GL-14 (+1) and 0.013 mg/L of lead at GL-14 (+1).

Representative indicator metal compounds were also detected in the intermediate groundwater. Review of the representative metal data shown in Figure 15 indicates that in the intermediate wells all detections of indicator metals were at or below 0.015 mg/L. The highest concentration for the indicator metals was 0.010 mg/L of arsenic at GL-17 (-31), 0.013 mg/L of chromium at GL-16 (-32) and 0.0007 mg/L of lead at GL-16 (-32).

Generally, concentrations of indicator metal compounds were lower in the intermediate groundwater zone than the shallow zone.

## 5.0 Historical Trends and Analysis

The following sections provide a discussion and analysis of general historical trends in the data by comparing data collected and reported by previous owners of the landfills to the 1<sup>st</sup> and 2<sup>nd</sup> half 2013 data. Analysis, such as intrawell statistical methods, will be completed in the future when additional data has been collected to provide sufficient input for a statistically valid data set.

### 5.1 Coke Point Landfill

VOC groundwater monitoring data has remained fairly consistent with a possible exception at monitoring well CP08-PZM008 located on the east side of the landfill. This well has shown an increasing concentration of benzene over the last three sampling events, which have occurred between April 2011 and September 2013. Benzene concentrations have risen from a concentration of 15,000 ug/L in April 2011 to a concentration of 25,800 ug/L in September 2013. However, this increasing trend was not noted in the monitoring wells for both the shallow and intermediate zones located in possible downgradient locations adjacent to the shoreline (shallow CP12-PZM012, CP14-PZM009 and intermediate CP12-PZM052, CP14-PZM062 and CP16-PZM035). In the shallow zone, wells CP12-PZM012 and CP14-PZM009 exhibited consistent trends of benzene concentration (58 ug/L to 39.5 ug/L and 21 ug/L to 70 ug/L respectively). Intermediate zone well CP16-PZM035 has ranged historically from 290 ug/L to current result of 253 ug/L. Other intermediate wells at Coke Point Landfill, including CP12-PZM052 and CP14-PZM062 have remained at non-detectable levels of benzene.

No other historical trends of significance (either increasing or decreasing) were noted for the SVOC or inorganic groundwater monitoring data for both the shallow and intermediate zone at Coke Point Landfill.

### 5.2 Greys Landfill

Historical trends observed for Greys Landfill groundwater monitoring data include the consistent detection of VOC and SVOC constituents at wells GL-08 (-3), GL-17 (-1) and GL-18 (-3); all of which are located in the shallow zone. VOC and SVOC data have remained around the same concentrations since July 2009. Well GL-17 (-31), located in the intermediate zone, continues to have VOC and SVOC concentrations above the detection limits. The intermediate zone concentrations are relatively low and also have seen no significant change in concentration since July 2009.

Historical trends of significance (either increasing or decreasing) were not noted for the inorganic groundwater monitoring data for both the shallow and intermediate zone at Greys Landfill.

## 6.0 Recommendations

The groundwater monitoring program for both Coke Point and Greys Landfills is adequate as currently implemented. Groundwater wells are adequately located to monitor impacts to both shallow and intermediate groundwater zones at potential downgradient locations from the landfills.

Additional semi-annual monitoring data is required to provide statistical trends analyses for the landfills as requested in the MDE correspondence dated December 3, 2012. The monitoring program will be implemented as currently configured in 2014 to collect additional data.

## **FIGURES**




# Landfill Site Location Map



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Image courtesy of USGS © 2013 Microsoft Corporation

## Legend




-  Coke Point Landfill Boundary
-  Property Boundary
-  Greys Landfill Boundary

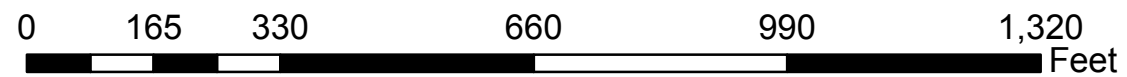




Coke Point Landfill  
Monitoring Well Locations

**Legend**

-  Shallow Monitoring Wells
-  Intermediate Monitoring Wells
-  Landfill Boundary






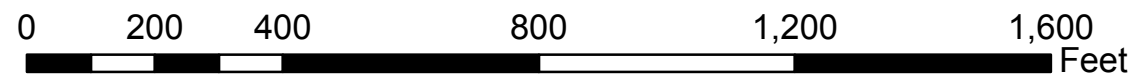




Greys Landfill  
Monitoring Well Locations

**Legend**

-  Shallow Monitoring Wells
-  Intermediate Monitoring Wells
-  Landfill Boundary



1 inch = 300 feet



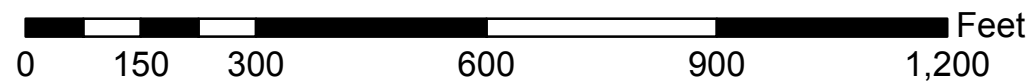


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### Coke Point Landfill Groundwater Contour Map - Shallow Zone

Water Levels Recorded 9/23/2013 & 9/24/2013



1 inch = 250 feet

#### Legend



-  Shallow Monitoring Wells
-  Landfill Boundary
- 0.45' - Measured Groundwater Level Elevation (NAVD 1988)



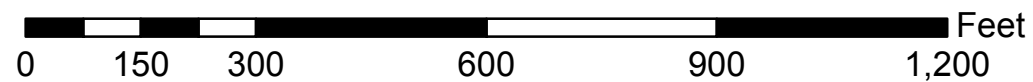
Figure 4







### Coke Point Landfill Groundwater Contour Map - Intermediate Zone

Water Levels Recorded 9/23/2013 & 9/24/2013



1 inch = 250 feet

#### Legend

-  Intermediate Monitoring Wells
-  Landfill Boundary

0.45' - Measured Groundwater Level Elevation (NAVD 1988)



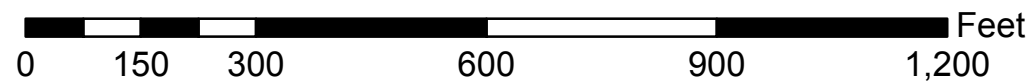


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### Coke Point Landfill Notable VOC & SVOC Detections - Shallow Zone

Wells Sampled 9/23/2013 & 9/24/2013



1 inch = 250 feet

#### Legend

- Shallow Monitoring Wells
- Landfill Boundary
- ND - Not Detected
- NS - Not Sampled



Figure 6

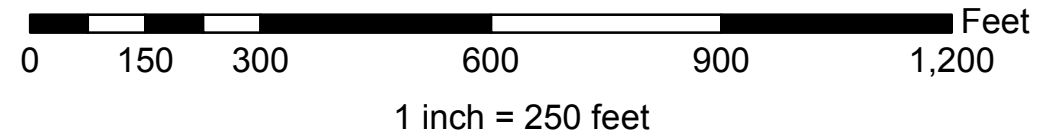




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**Coke Point Landfill**  
**Notable VOC & SVOC Detections - Intermediate Zone**  
 Wells Sampled 9/23/2013 & 9/24/2013



**Legend**

- Intermediate Monitoring Wells
- Landfill Boundary

ND - Not Detected  
NS - Not Sampled

**Figure 7**



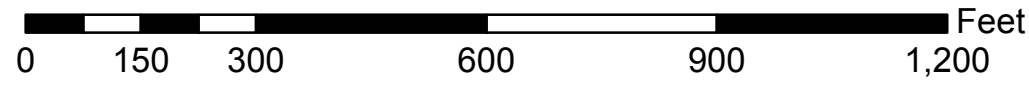


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### Coke Point Landfill Notable Indicator Metals Detections - Shallow Zone

Wells Sampled 9/23/2013 & 9/24/2013



1 inch = 250 feet

#### Legend

- Shallow Monitoring Wells
- Landfill Boundary
- ND - Not Detected
- NS - Not Sampled



Figure 8



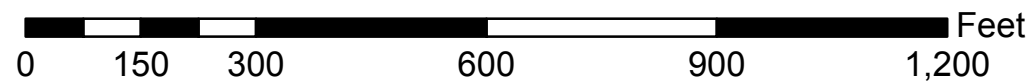


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### Coke Point Landfill Notable Indicator Metals Detections - Intermediate Zone

Wells Sampled 9/23/2013 & 9/24/2013



1 inch = 250 feet

#### Legend

Intermediate Monitoring Wells

Landfill Boundary

ND - Not Detected  
NS - Not Sampled



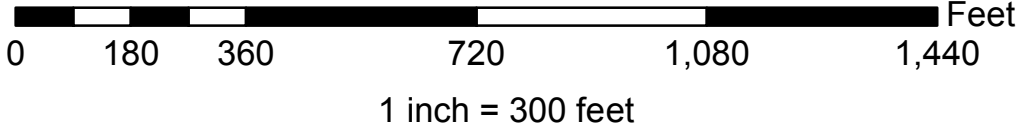
Figure 9





**Greys Landfill  
Groundwater Contour Map - Shallow Zone**

Water Levels Recorded 9/25/2013 - 9/27/2013



**Legend**

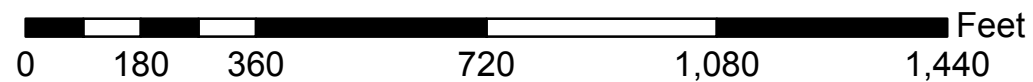
- Shallow Monitoring Wells
- GW Contours Shallow Q3 2013
- GW Contours Shallow Extrapolated Q3 2013








**Greys Landfill**  
**Groundwater Contour Map - Intermediate Zone**

Water Levels Recorded 9/25/2013 - 9/27/2013

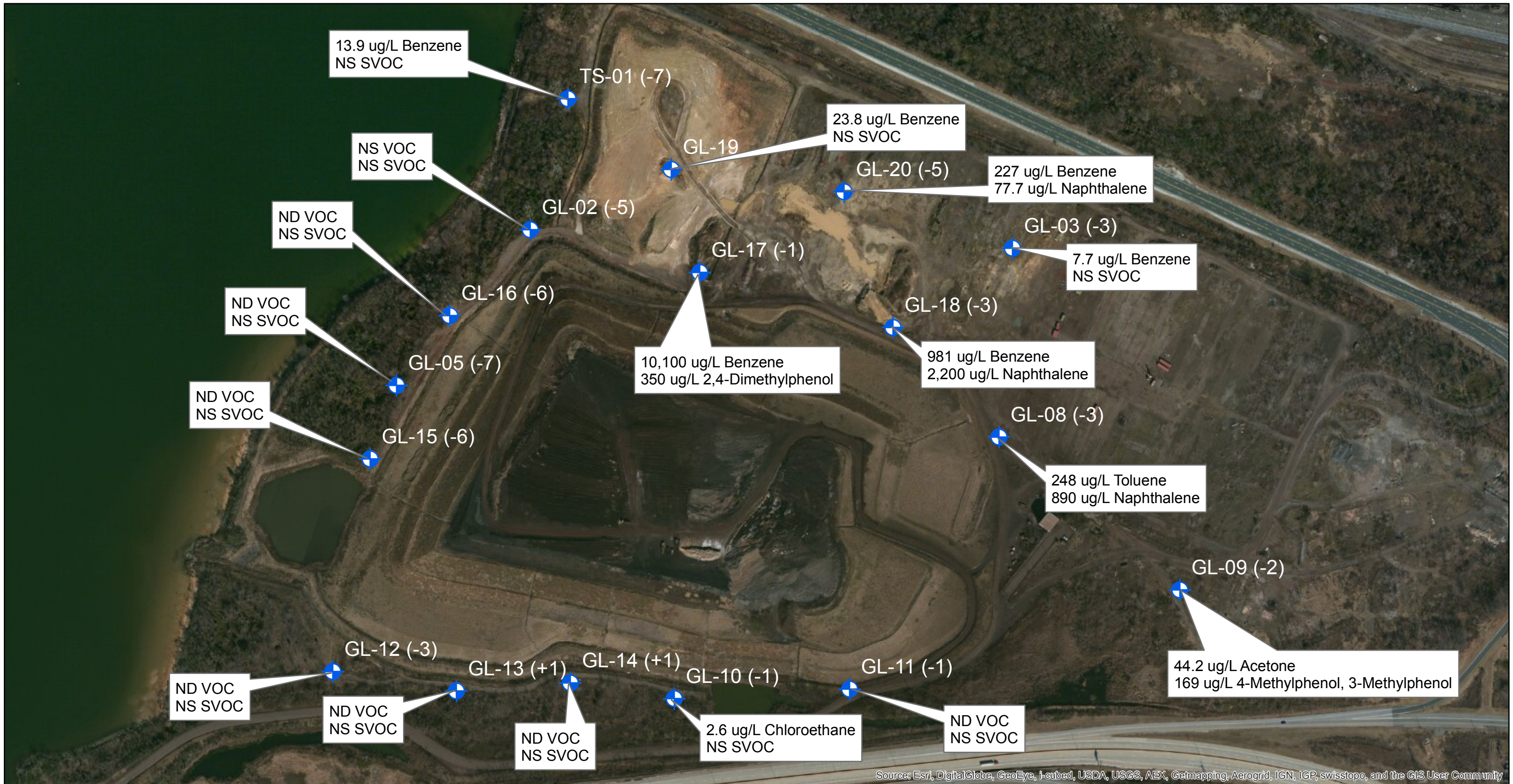


1 inch = 300 feet

**Legend**

-  Intermediate Monitoring Wells
-  GW Contours Intermediate Q3 2013
-  GW Contours Intermediate Extrapolated Q3 2013

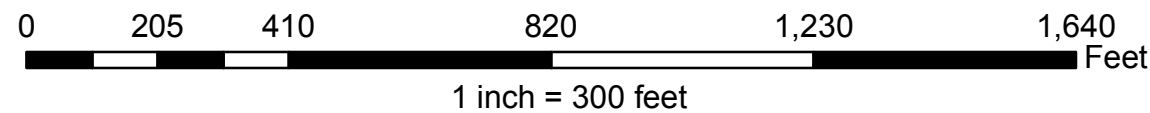




Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

### Greys Landfill Notable VOC & SVOC Detections - Shallow Zone

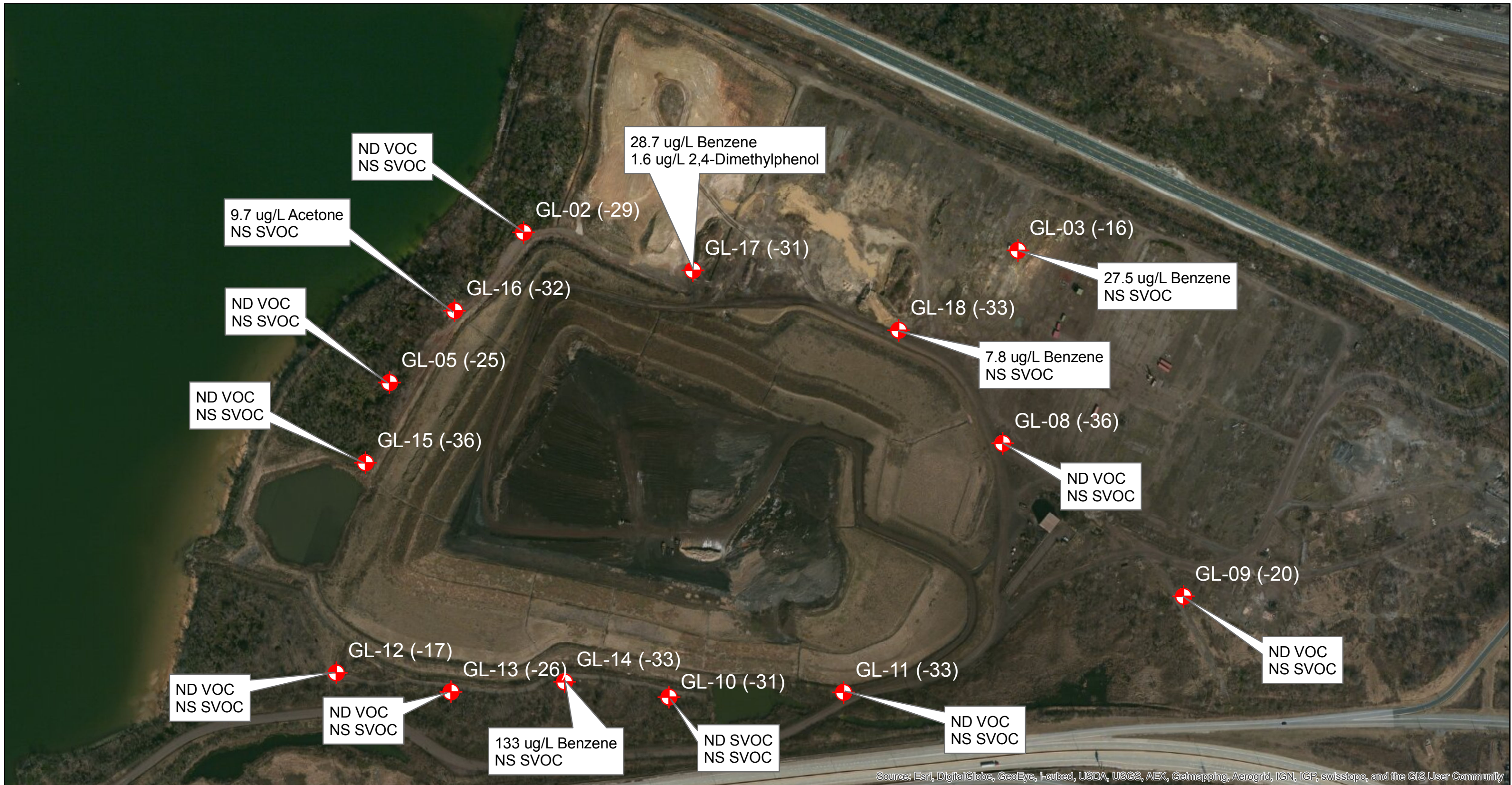
Wells Sampled 9/27/2013 & 9/28/2013



### Legend

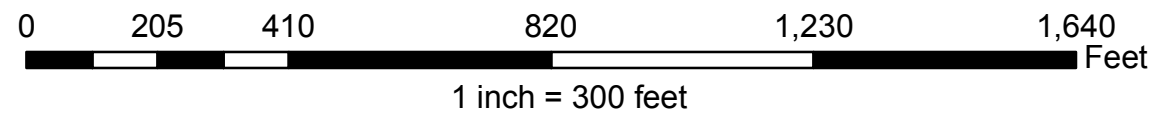
- Shallow Monitoring Wells
- ND - Not Detected
- NS - Not Sampled





**Greys Landfill**  
**Notable VOC & SVOC Detections - Intermediate Zone**

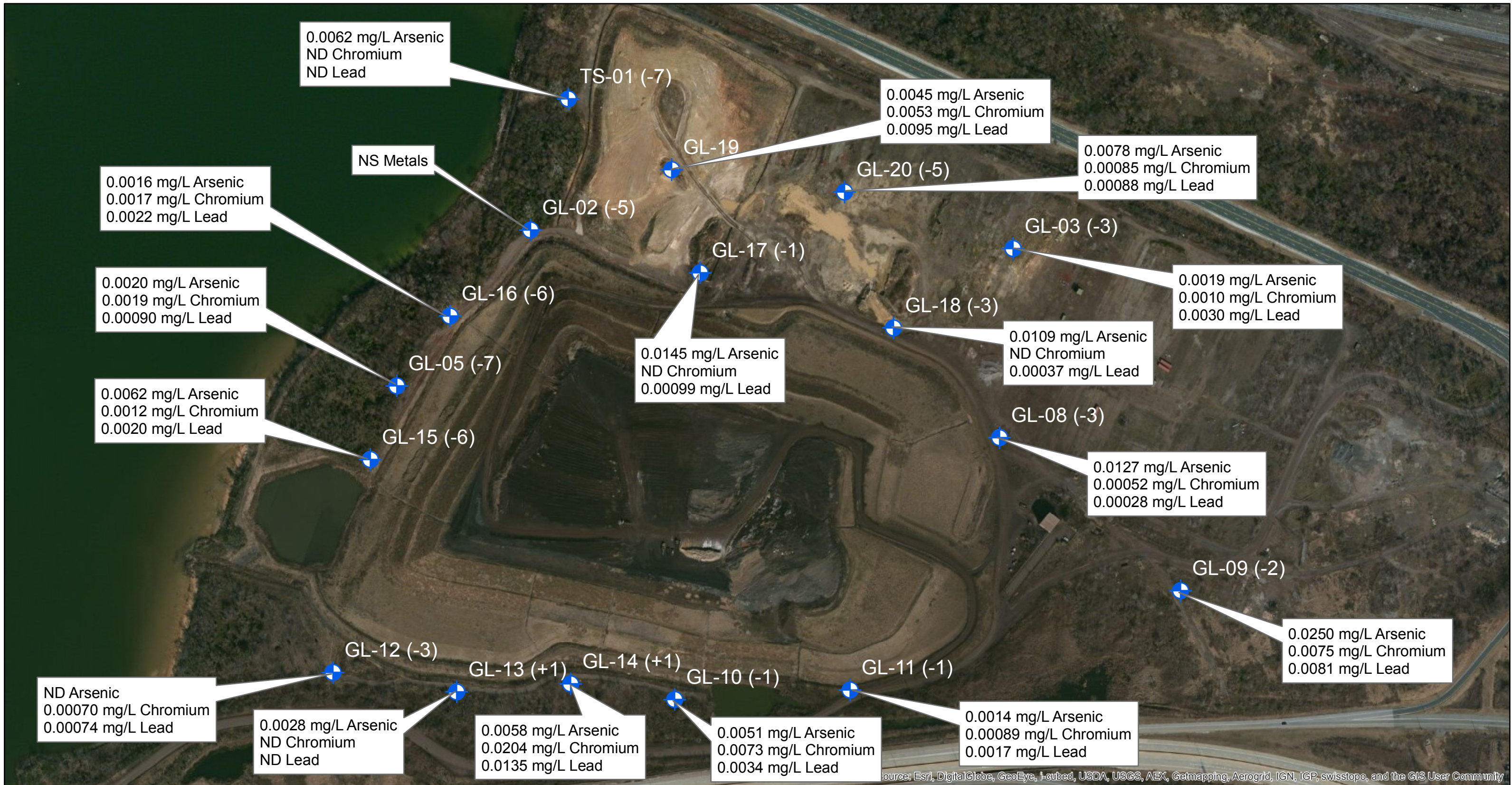
Wells Sampled 9/27/2013 & 9/28/2013



**Legend**

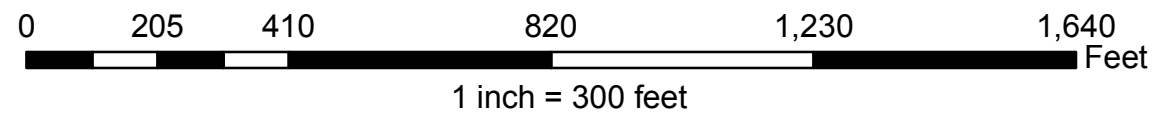
- Intermediate Monitoring Wells
- ND - Not Detected
- NS - Not Sampled





## Greys Landfill Notable Indicator Metals Detections - Shallow Zone

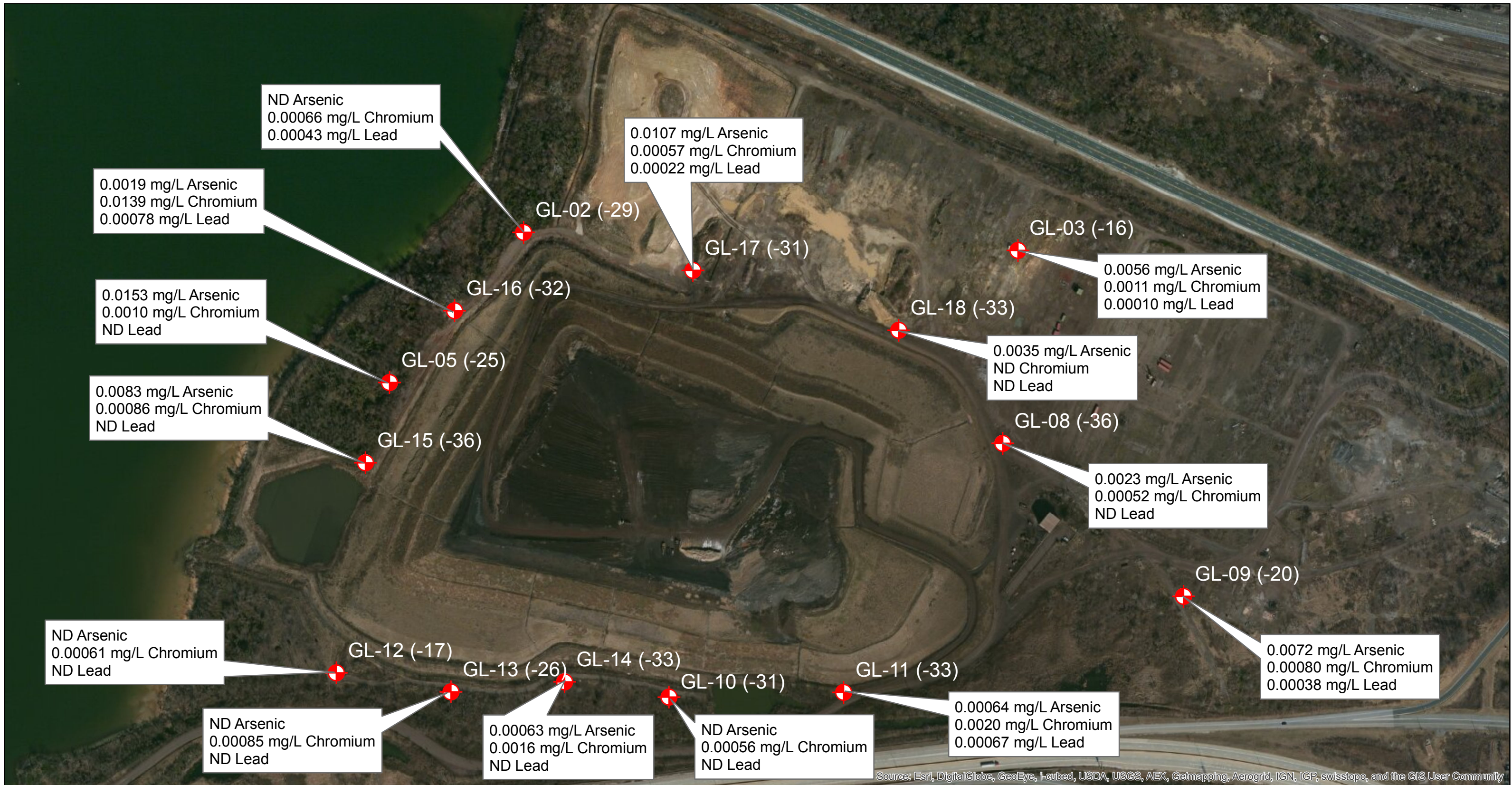
Wells Sampled 9/27/2013 & 9/28/2013



### Legend

- Shallow Monitoring Wells
- ND - Not Detected
- NS - Not Sampled



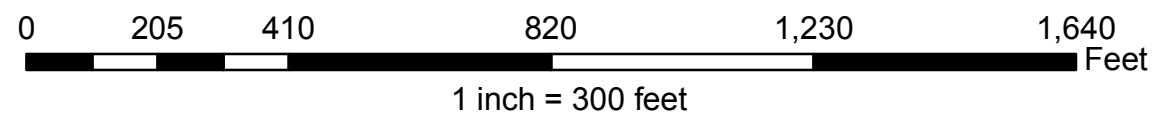


## Greys Landfill Notable Indicator Metals Detections - Intermediate Zone

Wells Sampled 9/27/2013 & 9/28/2013

### Legend

- Intermediate Monitoring Wells
- ND - Not Detected
- NS - Not Sampled



# Figure 15



## **TABLES**

**Table 1**  
**Coke Point Landfill**  
**Monitoring Well Construction Summary**

Well ID	Aquifer	Survey Information			Well Construction								
		Easting	Northing	Top of PVC Elevation	Installation Method & Date	Protective Cover Type	Well Total Depth (ft)	Riser Length (ft)	Screen Length (ft)	Filter Pack Interval (ft)	Seal Interval (ft)	Grout Interval (ft)	Diameter (in)
CP02 - PZM007	Water Table	1456414.079	560865.993	27.12	H-SA - 11/14/01	Steel Riser	31.6	21.6	10	32-19.7	19.7-17.7	17.7-0	2
CP02 - PZM026	Intermediate	1456402.740	560881.500	27.31	H-SA - 11/08/01	Steel Riser	50	45	5	55-43	43-41	41-0	2
CP05 - PZM008	Water Table	1454932.295	560044.506	9.75	H-SA - 10/12/00	Steel Riser	15	5	10	3-15	2-3	0-2	2
CP05 - PZM019	Intermediate	1454939.126	560034.225	10.48	H-SA - 10/16/00	Steel Riser	26	21	5	19-26	18-19	0-18	2
CP05 - PZM028	Intermediate	1454920.879	560050.934	7.07	DP - 10/17/00	Flush Mount	35	32	3	32-35	31-32	0.5-31	2
CP07 - PZM006	Water Table	1456130.900	560493.407	14.00	H-SA - 10/12/00	Steel Riser	17	7	10	5-17	4-5	0-4	2
CP08 - PZM008	Water Table	1456698.421	560456.819	24.64	H-SA - 11/12/01	Steel Riser	30	20	10	30-18	18-16	16-0	2
CP08 - PZM034	Intermediate	1456697.459	560464.899	25.47	H-SA - 11/09/01	Steel Riser	57	52	5	57-50	50-48	48-0	2
CP09 - PZM010	Water Table	1455332.044	559498.846	7.63	H-SA - 10/30/01	Steel Riser	15	5	10	15-4	4-2	2-0	2
CP09 - PZM047	Intermediate	1455336.345	559498.516	7.39	H-SA - 10/31/01	Steel Riser	52	47	5	52-45	45-43	43-0	2
CP10 - PZM008	Water Table			36.16	H-SA - 11/5/01	Steel Riser	41	31	10	41-29	29-27	27-0	2
CP11 - PZM010	Water Table	1456177.229	559357.464	8.43	H-SA - 10/30/01	Steel Riser	15	5	10	15-4	4-2	2-0	2
CP12 - PZM012	Water Table	1456306.570	559903.579	5.35	H-SA - 11/05/01	Steel Riser	15	5	10	15-4	4-2	2-0	2
CP12 - PZM052	Intermediate	1456313.747	559905.178	4.71	H-SA - 11/02/01	Steel Riser	54	49	5	54-47	47-45	45-0	2
CP14 - PZM009	Water Table	1457257.140	559826.416	13.06	H-SA - 11/12/01	Steel Riser	19	9	10	19-7	7-5	5-0	2
CP14 - PZM062	Intermediate	1457250.141	559816.392	13.67	H-SA - 11/06/01	Steel Riser	73	68	5	73-66	66-64	64-0	2
CP15 - PZM020	Water Table	1455789.362	559446.964	7.08									2
CP15 - PZM042	Intermediate	1455792.819	559446.052	7.98									2
CP16 - PZM035	Intermediate	1456808.801	559874.185	20.01									2

**Notes**

Aquifer terminology based on that used in the CH2MHill 2002 Report. NA = not available.

Survey information from Table 2-3 of the URS 2005 Nature and Extent Report, except for CP10 PZM008 (from CH2MHill 2002)

Well Construction information from Table A-1 of the CH2MHill 2002 Release Site Characterization report. H-SA = hollow-stem auger. DP = direct push.

**Table 2  
Coke Point Landfill  
Monitoring Well Groundwater Elevations**

Well ID	Top of PVC Elevation (ft)	Aquifer	Well Depth from PVC (ft)	October - November 2010		April-11		August-11		March-13		September-13	
				Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
CP02 PZM007	27.12	S	33.75	24.88	2.24	26.68	0.44	26.50	0.62	26.56	0.56	26.53	0.59
CP02 PZM026	27.31	I	52.60	26.88	0.43	27.15	0.16	26.65	0.66	26.95	0.36	26.94	0.37
CP05 PZM008	9.75	S	17.27	9.37	0.38	9.71	0.04	10.08	-0.33	9.66	0.09	9.73	0.02
CP05 PZM019	10.48	I	27.31	10.11	0.37	9.86	0.62	15.81	-5.33	10.38	0.10	10.45	0.03
CP05 PZM028	7.07	I	142.45	8.37	-1.30	NA		NA		8.7	1.63	NA	
CP07 PZM006	14.00	S	20.05	12.46	1.54	13.79	0.21	13.78	0.22	13.75	0.25	13.54	0.46
CP08 PZM008	24.64	S	32.46	22.90	1.74	24.51	0.13	24.10	0.54	24.36	0.28	24.39	0.25
CP08 PZM034	25.47	I	60.04	24.67	0.80	26.00	-0.53	25.95	-0.48	25.00	0.47	25.66	-0.19
CP09 PZM010	7.63	S	17.88	7.00	0.63	6.75	0.88	6.81	0.82	7.15	0.48	7.25	0.38
CP09 PZM047	7.39	I	54.30	6.82	0.57	6.25	1.14	6.74	0.65	6.76	0.63	7.18	0.21
CP10 PZM008	36.16	S	42.25	35.40	0.76	35.81	0.35	24.15	12.01	35.88	0.28	35.68	0.48
CP11 PZM010	8.43	S	17.70	8.02	0.41	8.16	0.27	8.11	0.32	7.66	0.77	8.20	0.23
CP12 PZM012	5.35	S	17.90	4.66	0.69	5.00	0.35	5.14	0.21	4.85	0.50	5.08	0.27
CP12 PZM052	4.71	I	56.00	4.08	0.63	4.55	0.16	NA		4.33	0.38	4.65	0.06
CP14 PZM009	13.06	S	20.85	12.45	0.61	12.07	0.99	26.31	-13.25	12.62	0.44	12.77	0.29
CP14 PZM062	13.67	I	75.31	13.36	0.31	15.25	-1.58	16.71	-3.04	13.37	0.30	13.62	0.05
CP15 PZM020	7.08	S	26.92	6.58	0.50	6.82	0.26	6.78	0.30	6.72	0.36	6.83	0.25
CP15 PZM042	7.98	I	50.17	7.33	0.65	9.61	-1.63	7.19	0.79	7.40	0.58	7.54	0.44
CP16 PZM035	20.01	I	55.47	19.24	0.77	19.23	0.78	19.20	0.81	19.84	0.17	19.91	0.10

**Notes**

Well survey data-see Table 1 I = Intermediate depth wells S = Water table well

NA = No survey available

**Table 3**  
**Greys Landfill**  
**Monitoring Well Construction Summary**

Location Designation <sup>1</sup>	Groundwater Zone	Install Date <sup>2</sup>	Northing	Easting	Ground Elevation (ft)	Top of Casing Elevation (ft)	Top of PVC Elevation (ft)	Protective Cover Type <sup>2</sup>	Well Total Depth (ft) <sup>2</sup>	Riser Length (ft) <sup>2</sup>	Screen Length (ft) <sup>2</sup>	Filter Pack Interval (ft) <sup>2</sup>	Seal Interval (ft) <sup>2</sup>	Grout Interval (ft) <sup>2</sup>
GL-02 (-29)	I	6/10/08	574605.59	1457638.04	20.722	23.189	23.203	Steel Riser	50	40	10	38-50	36-38	0-36
GL-02 (-5)	S	6/11/08	574604.07	1457625.79	20.718	23.253	23.171	Steel Riser	26	16	10	14-26	12-14	0-12
GL-03 (-16)	I	3/11/86	574549.21	1459228.38	14.313	17.330	17.298	Steel Riser	30.7	20.7	10	18.5-30.7	2-18	0-2
GL-03 (-3)	S	3/11/86	574558.30	1459231.80	14.387	17.406	17.195	Steel Riser	17	7	10	6-17	1-6	0-1
GL-05 (-25)	I	6/17/08	574099.56	1457238.01	22.427	25.142	25.189	Steel Riser	47.5	35	10	35-47.5	32-35	0-32
GL-05 (-7)	S	6/18/08	574100.60	1457230.98	23.251	25.888	25.892	Steel Riser	30	20	10	18-30	16-18	0-16
GL-08 (-36)	I	6/26/08	573921.22	1459188.29	14.277	16.648	16.648	Steel Riser	50	40	10	38-50	36-38	0-36
GL-08 (-3)	S	6/23/08	573928.23	1459187.29	14.498	16.982	17.006	Steel Riser	17	7	10	6-17	4-6	0-4
GL-09 (-20)	I	3/10/86	573420.01	1459792.62	13.544	16.375	16.14	Steel Riser	33.2	23.2	10	21-33.2	2-21	0-2
GL-09 (-2)	S	3/11/86	573429.29	1459786.10	13.755	16.612	16.363	Steel Riser	15.8	5.8	10	5-15.8	2-5	0-2
GL-10 (-31)	I	6/24/08	573073.18	1458148.99	18.692	21.426	21.433	Steel Riser	50	40	10	38-50	36-38	0-36
GL-10 (-1)	S	6/24/08	573073.11	1458140.87	18.872	21.527	21.523	Steel Riser	20	10	10	8-20	6-8	0-6
GL-11 (-33)	I	6/27/08	573092.85	1458679.87	19.121	21.969	21.982	Steel Riser	52	42	10	40-52	38-40	0-38
GL-11 (-1)	S	6/27/08	573090.51	1458672.32	18.677	21.348	21.348	Steel Riser	20	10	10	8-20	6-8	0-6
GL-12 (-17)	I	3/5/86	573171.38	1456994.13	10.133	12.872	12.809	Steel Riser	27	17	10	13.5-27	2-13.5	0-2
GL-12 (-3)	S	3/6/86	573162.04	1456993.72	10.570	13.453	13.32	Steel Riser	14	4	10	4-14	2-4	0-2
GL-13 (-26)	I	6/26/08	573091.77	1457439.07	15.759	18.488	18.479	Steel Riser	42	32	10	30-42	28-30	0-28
GL-13 (+1)	S	6/26/08	573093.28	1457430.66	15.835	18.564	18.526	Steel Riser	15	5	10	3.5-15	2-3.5	0-2
GL-14 (-33)	I	6/25/08	573134.99	1457797.97	17.091	19.729	19.71	Steel Riser	50	40	10	38-50	36-38	0-36
GL-14 (+1)	S	6/25/08	573136.93	1457787.50	17.288	19.841	19.859	Steel Riser	16	6	10	5-16	4-5	0-4
GL-15 (-36)	I	6/3/08	573888.92	1457129.80	13.972	16.407	16.341	Steel Riser	50	40	10	38-50	36-38	36-0
GL-15 (-6)	S	6/4/08	573879.11	1457123.11	13.912	16.191	15.792	Steel Riser	20	10	10	8-20	6-8	0-6
GL-16 (-32)	I	6/16/08	574336.78	1457396.54	18.223	20.639	20.669	Steel Riser	50	40	10	37-50	35-37	0-35
GL-16 (-6)	S	6/16/08	574344.59	1457402.16	18.341	20.901	20.921	Steel Riser	24	14	10	12-24	9-12	0-9
GL-17 (-31)	I	6/19/08	574466.97	1458178.04	18.520	21.161	21.175	Steel Riser	50	40	10	38-50	35.5-38	0-35.5
GL-17 (-1)	S	6/20/08	574464.39	1458189.31	18.583	21.166	21.188	Steel Riser	19.5	9.5	10	7.5-19.5	5-7.5	0-5
GL-18 (-33)	I	6/20/08	574265.76	1458884.84	17.124	19.691	19.696	Steel Riser	50	40	10	37-50	34.5-37	0-34.5
GL-18 (-3)	S	6/23/08	574261.56	1458893.68	16.775	19.478	19.486	Steel Riser	20	10	10	8-20	6-8	0-6
GL-19	S	12/11/02	574820.85	1458080.65	NA	NA	20.14	Steel Riser	21.5	11.5	10	9.5-22.5	2-9.5	0-2
GL-20 (-5)	S	12/10/02	574724.27	1458643.59	17.395	19.847	19.419	Steel Riser	22	12	10	10-22	2-10	0-2
TS-01 (-7)	S	8/2/00	575042.59	1457737.79	17.808	20.155	20.048	Steel Riser	25	15	10	13-25	3-13	0-3

**Notes**

1 = The number in parentheses is the elevation of the bottom of the screen. Wells have been grouped as shallow (S) and intermediate (I) wells, for evaluation of Greys Landfill. 2 = Information obtained from URS, Baker Engineers, SAIC, and CH2MHill well log **Source of Survey Information**

Well location and elevation data obtained from Stevens Painton Corporation Well Survey conducted October 19 & 20, 2009, except for GL-19

Well location and elevation data for GL-19 obtained from CH2M Hill, 2005. MP in the CH2MHill report is assumed to be the measurement point at the top of PVC casing.

**Table 4**  
**Greys Landfill**  
**Monitoring Well Groundwater Elevations**

Well ID	Top of PVC Elevation (ft)	Aquifer	Well Depth from PVC (ft)	Mar-10		June-10		March-11		March-13		September-13	
				Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
GL-02 (-29)	23.203	I	50.54	22.59	0.61	21.78	1.42	22.37	0.83	23.91	-0.71	22.6	0.603
GL-02 (-5)	23.171	S	27.45	20.34	2.80	22.19	0.98	22.37	0.80	20.90	2.27	NA	
GL-03 (-16)	17.298	I	33.53	12.89	4.41	13.31	3.99	13.90	3.40	12.90	4.40	16.00	1.298
GL-03 (-3)	17.195	S	19.60	4.93	12.27	5.37	11.83	5.55	11.65	6.43	10.77	13.53	3.665
GL-05 (-25)	25.189	I	50.51	24.45	0.74	24.63	0.56	24.40	0.79	25.25	-0.06	24.65	0.539
GL-05 (-7)	25.892	S	31.65	21.82	4.07	22.47	3.42	21.68	4.21	22.56	3.33	23.98	1.912
GL-08 (-36)	16.648	I	52.25	16.11	0.54	15.94	0.71	16.00	0.65	15.86	0.79	6.62	0.916
GL-08 (-3)	17.006	S	19.97	4.41	12.60	6.27	10.74	4.09	12.92	4.72	12.29	16.09	10.028
GL-09 (-20)	16.14	I	35.61	9.57	6.57	16.19	-0.05	9.80	6.34	9.89	6.25	10.90	5.240
GL-09 (-2)	16.363	S	18.35	4.08	12.28	9.94	6.42	4.54	11.82	4.33	12.03	3.10	13.263
GL-10 (-31)	21.433	I	52.91	19.86	1.57	21.87	-0.44	20.95	0.48	20.82	0.61	21.00	0.433
GL-10 (-1)	21.523	S	23.00	9.31	12.21	9.47	12.05	8.21	13.31	8.42	13.10	12.01	9.513
GL-11 (-33)	21.982	I	53.57	20.97	1.01	22.19	-0.21	19.88	2.10	18.86	3.12	21.10	0.882
GL-11 (-1)	21.348	S	23.37	16.34	5.01	9.14	12.21	7.88	13.47	8.17	13.18	10.03	11.318
GL-12 (-17)	12.809	I	29.03	10.15	2.66	12.17	0.64	11.96	0.85	16.20	-3.39	12.28	0.529
GL-12 (-3)	13.32	S	16.85	7.47	5.85	9.88	3.44	7.16	6.16	7.60	5.72	10.59	2.730
GL-13 (-26)	18.479	I	44.57	17.26	1.22	18.00	0.48	17.90	0.58	17.83	0.65	18.04	0.439
GL-13 (+1)	18.526	S	17.78	5.54	12.99	10.55	7.98	4.40	14.13	4.02	14.51	12.46	6.066
GL-14 (-33)	19.71	I	53.18	17.95	1.76	19.78	-0.07	19.20	0.51	19.17	0.54	19.25	0.460
GL-14(+1)	19.859	S	18.68	6.24	13.62	NA	NA	5.26	14.60	5.24	14.62	9.12	10.739
GL-15 (-36)	16.341	I	45.75	14.95	1.39	15.23	1.11	8.38	7.96	15.92	0.42	15.49	0.851
GL-15 (-6)	15.792	S	22.55	8.20	7.59	8.11	7.68	5.12	10.67	9.34	6.45	13.63	2.162
GL-16 (-32)	20.669	I	52.80	19.96	0.71	21.93	-1.26	19.88	0.79	20.68	-0.01	20.18	0.489
GL-16 (-6)	20.921	S	26.80	15.61	5.31	17.79	3.13	14.70	6.22	14.89	6.03	16.64	4.281
GL-17 (-31)	21.175	I	50.87	NA	NA	21.75	-0.57	20.61	0.57	20.91	0.27	20.84	0.335
GL-17(-1)	21.188	S	22.13	NA	NA	14.15	7.04	13.17	8.02	13.39	7.80	14.3	6.888
GL-18 (-33)	19.696	I	53.00	17.94	1.76	18.10	1.60	19.20	0.50	19.09	0.61	19.29	0.406
GL-18 (-3)	19.486	S	22.95	6.89	12.60	8.54	10.95	7.13	12.36	7.91	11.58	9.67	9.816
GL-19	34.14	S	37.39	NS	NS	17.91	2.23	NS	NS	17.19	16.95	32.48	1.660
GL-20 (-5)	19.419	S	25.70	11.67	7.75	13.82	5.60	13.99	5.43	12.64	6.78	13.26	6.159
TS-01 (-7)	20.048	S	28.07	17.97	2.08	18.19	1.86	18.78	1.27	19.02	1.03	19.30	0.748

**Notes**

Well survey data-see Table 1 I = Intermediate depth wells S = Water table well  
 NA = No survey available



## **APPENDIX A**

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP02 - PZM007											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	L2, V1	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	R2	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	V1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	0.45	M10	<1.0		<1.0		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0		<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0		<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP02 - PZM026											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	L2, V1	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	R2	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	V1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	0.31	M10	<1.0		<1.0		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0		<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0		<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well CP05 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<10	R1, D	<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<10	R1, D	<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<10	D	<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<10	L3, R1, D	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<50	D	<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<10	L3, R1, D	<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<10	D	<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
Acetone	8260	<250	L3, R1, D	33		32.3		33.5					
Acrylonitrile	8260	<50	R1, D	<5.0		<2.0		<2.0					
Benzene	8260	11	D	33		11.8		2.8					
Bromochloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Bromoform	8260	<10	D	<1.0		<1.0		<1.0					
Bromomethane	8260	<50	D	<5.0		<1.0		<1.0					
Carbon disulfide	8260	<10	D	<1.0		2.9		1.8					
Carbon Tetrachloride	8260	<10	D	<1.0		<1.0		<1.0					
Chlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
Chloroethane	8260	<10	D	<1.0		<1.0		<1.0					
Chloroform	8260	<10	D	<1.0		<1.0		<1.0					
Chloromethane	8260	<10	D	<1.0		<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<10	D	<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Dibromomethane	8260	<20	D	<2.0		<1.0		<1.0					
Ethylbenzene	8260	<10	D	1.0		<1.0		<1.0					
Iodomethane	8260	<10	D	<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methylene Chloride	8260	<50	D	<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<10	R1, D	<1.0		<1.0		<1.0					
Styrene	8260	<10	D	<1.0		<1.0		<1.0					
Toluene	8260	2.9	D	7.6		3.1		<1.0					
Total Xylenes	8260	4.2	D	7.6		4.2		<1.0					
trans-1,2-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<10	R1, D	<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<50	R1, D	<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<10	D	<1.0		<1.0		<1.0					
Vinyl acetate	8260	<10	D	<5.0		<1.0		<1.0					
Vinyl chloride	8260	<10	D	<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP05 - PZM019											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<10	R1, D	<5.0	S3, V6, D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<10	R1, D	<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<10	L3, R1, D	<25	S3, D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<50	D	<25	S3, V6, D	<1.0		<1.0					
1,2-Dibromoethane	8260	<10	L3, R1, D	<5.0	S3, D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,2-Dichloroethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,2-Dichloropropane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Acetone	8260	<250	L3, R1, D	<120	S3, D	22.1		32.3					
Acrylonitrile	8260	<50	R1, D	<25	D	<2.0		<2.0					
Benzene	8260	37	D	6.4	D	37.9		33.8					
Bromochloromethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Bromodichloromethane	8260	<10	D	<5.0	S3, V6, D	<1.0		<1.0					
Bromoform	8260	<10	D	<5.0	S3, V6, D	<1.0		<1.0					
Bromomethane	8260	<50	D	<25	S3, D	<1.0		<1.0					
Carbon disulfide	8260	<10	D	<5.0	S3, D	3.0		<1.0					
Carbon Tetrachloride	8260	<10	D	<5.0	S3, V6, D	<1.0		<1.0					
Chlorobenzene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Chloroethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Chloroform	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Chloromethane	8260	<10	D	<5.0	V6, S3, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Dibromochloromethane	8260	<10	D	<5.0	V6, S3, D	<1.0		<1.0					
Dibromomethane	8260	<20	D	<10	S3, D	<1.0		<1.0					
Ethylbenzene	8260	<10	D	<5.0	S3, D	<1.0		1.5					
Iodomethane	8260	<10	D	<25	S3, D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<50	L3, R1, D	<25	S3, D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<50	L3, R1, D	<25	S3, D	<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<50	L3, R1, D	<25	S3, D	<5.0		<5.0					
Methylene Chloride	8260	<50	D	<25	S3, D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<10	R1, D	<5.0	S3, D	<1.0		<1.0					
Styrene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Toluene	8260	9.8	D	<5.0	D	8.8		8.0					
Total Xylenes	8260	8.2	D	<15	D	7.7		10.2					
trans-1,2-Dichloroethylene	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<10	R1, D	<5.0	S3, V6, D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<50	R1, D	<25	S3, D	<1.0		<1.0					
Trichlorofluoromethane	8260	<10	D	<5.0	S3, D	<1.0		<1.0					
Vinyl acetate	8260	<10	D	<25	S3, D	<1.0		<1.0					
Vinyl chloride	8260	<10	D	<5.0	S3, D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP05 - PZM028											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0				<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0				<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0	V1			<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	R1			<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0				<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0				<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0				<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0				<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	V1			<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0	V1			<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0				<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0				<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0				<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0				<1.0		<1.0					
1,4-Dichlorobenzene	8260	0.52				<1.0		<1.0					
Acetone	8260	65	R1, V1			<5.0		5.7					
Acrylonitrile	8260	<5.0				<2.0		<2.0					
Benzene	8260	75				<1.0		77.5					
Bromochloromethane	8260	<1.0				<1.0		<1.0					
Bromodichloromethane	8260	<1.0				<1.0		<1.0					
Bromoform	8260	<1.0				5		<1.0					
Bromomethane	8260	<5.0				<1.0		<1.0					
Carbon disulfide	8260	<1.0				<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0				<1.0		<1.0					
Chlorobenzene	8260	<1.0				<1.0		<1.0					
Chloroethane	8260	<1.0				<1.0		<1.0					
Chloroform	8260	<1.0	R1			<1.0		<1.0					
Chloromethane	8260	<1.0	R1			1.3		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0				<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0				<1.0		<1.0					
Dibromochloromethane	8260	<1.0				<1.0		<1.0					
Dibromomethane	8260	<2.0				<1.0		<1.0					
Ethylbenzene	8260	1.4				<1.0		1.5					
Iodomethane	8260	<1.0	V6			<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	L2, V1			<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	R1			<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0	V1			<5.0		<5.0					
Methylene Chloride	8260	<5.0				<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0	R1			<1.0		<1.0					
Styrene	8260	<1.0				<1.0		<1.0					
Toluene	8260	17				<1.0		17.9					
Total Xylenes	8260	11				<1.0		11.6					
trans-1,2-Dichloroethylene	8260	<1.0				<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0				<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0				<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0				<1.0		<1.0					
Vinyl acetate	8260	<1.0				<1.0		<1.0					
Vinyl chloride	8260	<1.0	R1			<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP07 - PZM006											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	L2, V1	<10	D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<10	D	<1.0		<1.0					
1,1-Dichloroethane	8260	2.1		<10	D	1.9		1.9					
1,1-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	R2	<50	D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<50	D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	1.1		<10	D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<10	D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Acetone	8260	<25	V1	<250	D	<5.0		7.8					
Acrylonitrile	8260	<5.0		<50	D	<2.0		<2.0					
Benzene	8260	430	M10, D	1,000	D	547		738					
Bromochloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromoform	8260	<1.0		<10	D	<1.0		<1.0					
Bromomethane	8260	<5.0		<50	D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<10	D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<10	D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<10	D	<1.0		<1.0					
Chloroform	8260	<1.0		<10	D	<1.0		<1.0					
Chloromethane	8260	<1.0		<10	V6, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<20	D	<1.0		<1.0					
Ethylbenzene	8260	2.8		<10	D	2.9		4.1					
Iodomethane	8260	<1.0		<50	D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<50	D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<50	D	<5.0		<5.0					
Methyl Isobutyl Ketone	8260	3.3		<50	D	<5.0		<5.0					
Methylene Chloride	8260	<5.0		<50	D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<10	D	<1.0		<1.0					
Styrene	8260	<1.0		<10	D	<1.0		<1.0					
Toluene	8260	68		140	D	58.7		89.7					
Total Xylenes	8260	28		56	D	28.8		42.4					
trans-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	0.90		<50	D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<10	D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<50	D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<10	D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

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Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP08 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	L2, V1	<100	D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<100	D	<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<100	D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	R2	<500	D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<500	D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<100	D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<100	D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<100	D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<100	D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<100	D	<1.0		<1.0					
Acetone	8260	<25	V1	<2500	D	<5.0		<5.0					
Acrylonitrile	8260	<5.0		<500	D	<2.0		<2.0					
Benzene	8260	15,000	D	22,000	D	23,900		25800					
Bromochloromethane	8260	<1.0		<100	D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<100	D	<1.0		<1.0					
Bromoform	8260	<1.0		<100	D	<1.0		<1.0					
Bromomethane	8260	<5.0		<500	D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<100	D	1.1		<1.0					
Carbon Tetrachloride	8260	<1.0		<100	D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<100	D	<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<100	D	<1.0		<1.0					
Chloroform	8260	<1.0		<100	D	<1.0		<1.0					
Chloromethane	8260	1.2		<100	V6, D	1.6		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<100	D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<100	D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<100	D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<200	D	<1.0		<1.0					
Ethylbenzene	8260	76		120	D	96.5		108					
Iodomethane	8260	<1.0		<500	D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<500	D	<1.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<500	D	<1.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<500	D	<1.0		<5.0					
Methylene Chloride	8260	<5.0		<500	D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<100	D	<1.0		<1.0					
Styrene	8260	25		<100	D	<1.0		<1.0					
Toluene	8260	<1.0		7,800	D	5,860		6580					
Total Xylenes	8260	1,700	D	3,300	D	2,760		3360					
trans-1,2-Dichloroethylene	8260	<1.0		<100	D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<100	D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<500	D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<100	D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<500	D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<100	D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Coke Point Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well CP08 - PZM034											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	L2, V1	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	R2	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	V1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	1.7	M10	<1.0		<1.0		2.6					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0		<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0		<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well CP09 - PZM010											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	M2	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	71	V1	<25		44.1		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	5.8		<1.0		5.6		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0		<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0		<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0	M10, R2	<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	5.6		<5.0		5.5		<5.0					
Methyl Isobutyl Ketone	8260	3.3		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0	M10	<1.0		<1.0		<1.0					
Toluene	8260	2.2		<1.0		<1.0		<1.0					
Total Xylenes	8260	2.8		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results  
 Well CP09 - PZM047

Chemical Analyte	EPA Method	Well CP09 - PZM047											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<10	R1, D	<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<10	D	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<10	R1, D	<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<10	D	<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<10	L3, R1, D	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<50	D	<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<10	L3, R1, D	<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<10	D	<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<10	D	<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
Acetone	8260	<250	L3, R1, D	<25		<5.0		<5.0					
Acrylonitrile	8260	<50	R1, D	<5.0		<2.0		<2.0					
Benzene	8260	3.5	D	1.1		<1.0		<1.0					
Bromochloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Bromoform	8260	<10	D	<1.0		<1.0		<1.0					
Bromomethane	8260	<50	D	<5.0		<1.0		<1.0					
Carbon disulfide	8260	10	D	<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<10	D	<1.0		<1.0		<1.0					
Chlorobenzene	8260	<10	D	<1.0		<1.0		<1.0					
Chloroethane	8260	<10	D	<1.0		<1.0		<1.0					
Chloroform	8260	<10	D	<1.0		<1.0		<1.0					
Chloromethane	8260	<10	D	<1.0		<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<10	D	<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<10	D	<1.0		<1.0		<1.0					
Dibromomethane	8260	<20	D	<2.0		<1.0		<1.0					
Ethylbenzene	8260	<10	D	<1.0		<1.0		<1.0					
Iodomethane	8260	<10	D	<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<50	L3, R1, D	<5.0		<5.0		<5.0					
Methylene Chloride	8260	<50	D	<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<10	R1, D	<1.0		<1.0		<1.0					
Styrene	8260	<10	D	<1.0		<1.0		<1.0					
Toluene	8260	<10	D	<1.0		<1.0		<1.0					
Total Xylenes	8260	<30	D	<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<10	D	<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<10	R1, D	<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<50	R1, D	<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<10	D	<1.0		<1.0		<1.0					
Vinyl acetate	8260	<10	D	<5.0		<1.0		<1.0					
Vinyl chloride	8260	<10	D	<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP10 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<10	V6, D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<10	D	<1.0		<1.0					
1,1-Dichloroethane	8260	0.27		<10	D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<50	D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<50	D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<10	D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Acetone	8260	390		<250	D	354		344					
Acrylonitrile	8260	<5.0		<50	D	<2.0		<2.0					
Benzene	8260	9.6		13	D	12.1		11.3					
Bromochloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromoform	8260	<1.0		<10	V6, D	<1.0		<1.0					
Bromomethane	8260	<5.0	L3	<50	D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<10	D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<10	V6, D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Chloroethane	8260	<1.0		<10	D	<1.0		<1.0					
Chloroform	8260	<1.0		<10	D	<1.0		<1.0					
Chloromethane	8260	1.4		<10	V6, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<10	V6, D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<20	D	<1.0		<1.0					
Ethylbenzene	8260	1.2		<10	D	<1.0		1.3					
Iodomethane	8260	<1.0		<50	D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<50	D	<5.0		10.1					
Methyl Ethyl Ketone (2-Butanone)	8260	36		<50	D	33		31.9					
Methyl Isobutyl Ketone	8260	6.3		<50	D	6.5		6.4					
Methylene Chloride	8260	<5.0		<50	D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<10	D	<1.0		<1.0					
Styrene	8260	0.76		<10	D	<1.0		<1.0					
Toluene	8260	6.6		<10	D	6.7		7.5					
Total Xylenes	8260	8.8		<30	D	8.1		9.4					
trans-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<50	D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<10	D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<50	D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<10	D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP11 - PZM010											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	M2	<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethane	8260	0.33		<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<25	S3, D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<25	S3, V6, D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Acetone	8260	70	V1	<120	S3, D	76.2		90.4					
Acrylonitrile	8260	<5.0		<25	D	<2.0		<2.0					
Benzene	8260	17		6.6	D	15		19.7					
Bromochloromethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Bromoform	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Bromomethane	8260	<5.0		<25	S3, D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<5.0	S3, D	<1.0		<1.0					
Chloroform	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Chloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<10	S3, D	<1.0		<1.0					
Ethylbenzene	8260	0.93		<5.0	S3, D	<1.0		<1.0					
Iodomethane	8260	<1.0		<25	S3, D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<25	S3, D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	5.4		<25	S3, D	5.9		5.7					
Methyl Isobutyl Ketone	8260	<5.0		<25	S3, D	<5.0		<5.0					
Methylene Chloride	8260	<5.0		<25	S3, D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Styrene	8260	0.35	M10	<5.0	S3, D	<1.0		<1.0					
Toluene	8260	4.3		<5.0	D	3.4		4.4					
Total Xylenes	8260	12		<15	D	8.7		10.7					
trans-1,2-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<25	S3, D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<25	S3, D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<5.0	S3, D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP12 - PZM012											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	R1	<1.0	V6	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0	R1	<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	L3, R1	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0	V6	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0	L3, R1	<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	L3, R1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0	R1	<5.0		<2.0		<2.0					
Benzene	8260	58		42		16.5		39.5					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
Bromoform	8260	<1.0		<1.0	V6	<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0	V6	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0		<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	0.93		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0	R1	<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	7.1		3.0		1.9		2.8					
Total Xylenes	8260	16		7.1		3.6		7.5					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0	R1	<1.0	V6	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0	R1	<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP12 - PZM052											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	R1	<1.0	V6	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0	R1	<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0	L3, R1	<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0	V6	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0	L3, R1	<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	L3, R1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0	R1	<5.0		<2.0		<2.0					
Benzene	8260	0.30		<1.0		<1.0		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
Bromoform	8260	<1.0		<1.0	V6	<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0	V6	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0		<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0	L3, R1	<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0	R1	<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0	R1	<1.0	V6	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0	R1	<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP14 - PZM009											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<50	S3, D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<50	S3, D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<10	S3, D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<10	S3, D	<1.0		<1.0					
Acetone	8260	34		<250	S3, D	39.8		36.1					
Acrylonitrile	8260	<5.0		<50	D	<1.0		<2.0					
Benzene	8260	21		50	D	59.8		70.1					
Bromochloromethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
Bromoform	8260	<1.0		<10	S3, D	<1.0		<1.0					
Bromomethane	8260	<5.0		<50	S3, D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<10	S3, D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<10	S3, D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<10	S3, D	<1.0		<1.0					
Chloroethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
Chloroform	8260	<1.0		<10	S3, D	<1.0		<1.0					
Chloromethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<10	S3, D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<10	S3, D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<20	S3, D	<1.0		<1.0					
Ethylbenzene	8260	0.52		<10	S3, D	<1.0		<1.0					
Iodomethane	8260	<1.0		<50	S3, D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<50	S3, D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<50	S3, D	<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<50	S3, D	<5.0		<5.0					
Methylene Chloride	8260	<5.0		<50	S3, D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<10	S3, D	<1.0		<1.0					
Styrene	8260	<1.0		<10	S3, D	<1.0		<1.0					
Toluene	8260	2.0		<10	D	3.8		4.2					
Total Xylenes	8260	3.2		<30	D	3.5		4.0					
trans-1,2-Dichloroethylene	8260	<1.0		<10	S3, D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<10	S3, D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<50	S3, D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<10	S3, D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<50	S3, D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<10	S3, D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP14 - PZM062											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25		<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	<1.0		<1.0		<1.0		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0	V6	<1.0		<1.0					
Bromomethane	8260	<5.0	V6	<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<1.0	V6	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0		<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0	V6	<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0		<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP15 - PZM020											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	M2	<10	D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<10	D	<1.0		<1.0					
1,1-Dichloroethane	8260	0.28		<10	D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<50	D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<50	D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<10	D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<10	D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Acetone	8260	130	V1	<250	D	128		188					
Acrylonitrile	8260	<5.0		<50	D	<1.0		<2.0					
Benzene	8260	18		21	D	18.5		11.9					
Bromochloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Bromoform	8260	<1.0		<10	D	<1.0		<1.0					
Bromomethane	8260	<5.0		<50	D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<10	D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<10	D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<10	D	<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<10	D	<1.0		<1.0					
Chloroform	8260	<1.0		<10	D	<1.0		<1.0					
Chloromethane	8260	0.69		<10	D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<10	D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<20	D	<1.0		<1.0					
Ethylbenzene	8260	1.7		<10	D	1.6		1.1					
Iodomethane	8260	<1.0		<50	D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<50	D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	9.8		<50	D	10.1		7.2					
Methyl Isobutyl Ketone	8260	3.1		<50	D	<5.0		<5.0					
Methylene Chloride	8260	<5.0		<50	D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<10	D	<1.0		<1.0					
Styrene	8260	0.64	M10	<10	D	<1.0		<1.0					
Toluene	8260	6.5		<10	D	7.1		3.3					
Total Xylenes	8260	12		<30	D	11.5		6.7					
trans-1,2-Dichloroethylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<10	D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<50	D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<10	D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<50	D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<10	D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP15 - PZM042											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	M2	<1.0		<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<5.0		<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<5.0		<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<1.0		<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<1.0		<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Acetone	8260	<25	V1	<25		<5.0		<5.0					
Acrylonitrile	8260	<5.0		<5.0		<2.0		<2.0					
Benzene	8260	<1.0		<1.0		<1.0		<1.0					
Bromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Bromoform	8260	<1.0		<1.0		<1.0		<1.0					
Bromomethane	8260	<5.0		<5.0		<1.0		<1.0					
Carbon disulfide	8260	<1.0		<1.0		<1.0		3.7					
Carbon Tetrachloride	8260	<1.0		<1.0		<1.0		<1.0					
Chlorobenzene	8260	<1.0		<1.0		<1.0		<1.0					
Chloroethane	8260	<1.0	R2	<1.0		<1.0		<1.0					
Chloroform	8260	<1.0		<1.0		<1.0		<1.0					
Chloromethane	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<1.0		<1.0		<1.0					
Dibromomethane	8260	<2.0		<2.0		<1.0		<1.0					
Ethylbenzene	8260	<1.0		<1.0		<1.0		<1.0					
Iodomethane	8260	<1.0		<5.0		<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0		<5.0		<5.0		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<5.0		<5.0		<5.0					
Methylene Chloride	8260	<5.0		<5.0		<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<1.0		<1.0		<1.0					
Styrene	8260	<1.0	M10	<1.0		<1.0		<1.0					
Toluene	8260	<1.0		<1.0		<1.0		<1.0					
Total Xylenes	8260	<3.0		<3.0		<1.0		<1.0					
trans-1,2-Dichloroethylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<1.0		<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<5.0		<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<1.0		<1.0		<1.0					
Vinyl acetate	8260	<1.0		<5.0		<1.0		<1.0					
Vinyl chloride	8260	<1.0		<1.0		<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Coke Point Landfill  
 Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP16 - PZM035											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
1,1,1-Trichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethane	8260	<1.0		<5.0	M10, S3, D	<1.0		<1.0					
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1,2-Trichloroethylene (TCE)	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,1-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2,3-Trichloropropane	8260	<1.0		<25	S3, D	<1.0		<1.0					
1,2-Dibromo-3-chloropropane	8260	<5.0		<25	S3, V6, D	<1.0		<1.0					
1,2-Dibromoethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,2-Dichloropropane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
1,4-Dichlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Acetone	8260	38		<120	S3, D	27.8		30.2					
Acrylonitrile	8260	<5.0		<25	D	<2.0		<2.0					
Benzene	8260	290	D	230	D	229		253					
Bromochloromethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Bromodichloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Bromoform	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Bromomethane	8260	<5.0	V6	<25	S3, D	<1.0		<1.0					
Carbon disulfide	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Carbon Tetrachloride	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Chlorobenzene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Chloroethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Chloroform	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Chloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
cis-1,2-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
cis-1,3-Dichloropropylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Dibromochloromethane	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
Dibromomethane	8260	<2.0		<10	S3, D	<1.0		<1.0					
Ethylbenzene	8260	1.1		<5.0	S3, D	<1.0		1.0					
Iodomethane	8260	<1.0		<25	S3, D	<1.0		<1.0					
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0		<25	S3, D	<5.0		<5.0					
Methyl Ethyl Ketone (2-Butanone)	8260	6.3		<25	S3, D	5.8		<5.0					
Methyl Isobutyl Ketone	8260	<5.0		<25	S3, D	<5.0		<5.0					
Methylene Chloride	8260	<5.0		<25	S3, D	<1.0		<1.0					
Methyl-tert-Butyl Ether	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Styrene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Toluene	8260	14		15	D	14.6		16.7					
Total Xylenes	8260	8.6		<15	D	7.6		10.2					
trans-1,2-Dichloroethylene	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
trans-1,3-Dichloropropylene	8260	<1.0		<5.0	S3, V6, D	<1.0		<1.0					
trans-1,4-Dichloro-2-butene	8260	<5.0		<25	S3, D	<1.0		<1.0					
Trichlorofluoromethane	8260	<1.0		<5.0	S3, D	<1.0		<1.0					
Vinyl acetate	8260	<1.0		<25	S3, D	<1.0		<1.0					
Vinyl chloride	8260	<1.0		<5.0	S3, D	<1.0		<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



## **APPENDIX B**

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP02 - PZM007											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	39		46		42		58.0					
Ammonia (N)	mg/L	2.8		3.7		2.1		1.5					
Antimony	mg/L	0.00099	J	0.00067	J	<0.010	D3	<0.00050					
Arsenic	mg/L	0.017		0.019		0.022		0.0266					
Barium	mg/L	0.020		0.023		<0.050		0.0198					
Beryllium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	0.00029	J	<0.020	D3	<0.000080					
Calcium	mg/L	450	D	550	D	499		448					
Chloride	mg/L	51		64				29.1					
Chromium	mg/L	0.0012	J	0.00094	J	<0.050	D3	0.00083					
Cobalt	mg/L	0.0031	J	0.0046	J	<0.050		0.0056					
COD, Total	mg/L	5.0	J	17				71.5					
Conductivity	umhos/cm	540		2.7				2500					
Copper	mg/L	0.010		0.021		<0.050	D3	0.0061					
Hardness (as CaCO3)	mg/L	1,200		1500				1150					
Iron	mg/L	0.13	B	0.40	D	<0.25		0.0863					
Lead	mg/L	0.0036	B	0.0076		<0.010	D3	0.00072					
Magnesium	mg/L	25		28	D	18.2		16.8					
Manganese	mg/L	1.2	D	2.2	D	0.97		1.11					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.0002		<0.00020					
Nickel	mg/L	0.0082		0.018		<0.055	D3	0.0021					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.010		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			<0.10					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		<0.010					
pH	pH Units	8.49		8.37		7.6		8.2					
Potassium	mg/L	46	B	38	D	51.1		48.4					
Selenium	mg/L	0.0072		0.0067		<0.18		0.103					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	120	D	140	D	118		97.4					
Sulfate as SO4	mg/L	1,300	D	2,000	D, B	1,460		1400					
Thallium	mg/L	0.00086	J	0.00037	J	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	1,500	D	2600	D	2,210		2140					
Turbidity	NTU	0.71		3.0		0.26		0.41					
Vanadium	mg/L	0.0073		0.0054		<0.050		0.0345					
Zinc	mg/L	<0.0050	U	0.0066		<0.050	D3	0.0078					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP02 - PZM026											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/9/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	20		26		50.0	D3	150					
Ammonia (N)	mg/L	4.7		2.0		2.2		8.9					
Antimony	mg/L	0.00092	J	<0.0050	U	<0.010		<0.00050					
Arsenic	mg/L	<0.0020	U	0.00088	J	<0.010	D3	0.0019					
Barium	mg/L	0.0082		0.0091		<0.050		0.0100					
Beryllium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00020					
Cadmium	mg/L	0.00053		0.00056		<0.020	D3	<0.000080					
Calcium	mg/L	490	D	480	D	512		511					
Chloride	mg/L	170	D	160	D	190		111					
Chromium	mg/L	0.0010	J	<0.0020	U	<0.050	D3	0.00064					
Cobalt	mg/L	0.0029	J	0.0030	J	<0.050		0.0045					
COD, Total	mg/L	22		<10	U	48.6		84.7					
Conductivity	umhos/cm	2800		2.8		3,130		3270					
Copper	mg/L	0.0027		0.0025		<0.050	D3	0.00060					
Hardness (as CaCO3)	mg/L	1400		1400		1,440		1470					
Iron	mg/L	4.4	B	1.9	D	13.9		14.8					
Lead	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Magnesium	mg/L	52		52	D	47.8		54.9					
Manganese	mg/L	4.9	D	6.0	D	5.8		5.81					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0086		0.014		<0.055	D3	0.0014					
Nitrogen, Nitrate	mg/L	0.064		7.1		5.5		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	0.077		7.1	D			<0.10					
Nitrogen, Nitrite	mg/L	0.013		<0.012	U	<0.010		<0.010					
pH	pH Units	7.12		6.10		6.5		6.8					
Potassium	mg/L	26	B	22	D	21.4		19.5					
Selenium	mg/L	0.0013	J	0.0037	J	<0.18	D3	0.00097					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	170	D	180	D	158		178					
Sulfate as SO4	mg/L	1700	D	1600	D, B	1,470		1600					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	2100	D	2400	D	2,350		2640					
Turbidity	NTU	3.3		11		2.4		16.9					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.050		0.0013					
Zinc	mg/L	0.0056		0.011		<0.050	D3	0.0071					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP05 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/12/2011		8/11/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	1,700	D	1,900	D	1,300		1600					
Ammonia (N)	mg/L	6.2	D	9.6	D	6.2		6.5					
Antimony	mg/L	0.00068	J	0.0014	J	<0.0025	D3	<0.00050					
Arsenic	mg/L	<0.0020	U	0.0051		<0.0025	D3	0.0012					
Barium	mg/L	0.63		0.92		0.60		0.794					
Beryllium	mg/L	<0.0010	U	<0.0010	U	<0.001	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.0004	D3	<0.000080					
Calcium	mg/L	670	D	750	D	606		620					
Chloride	mg/L	15		1,300	D	650		409					
Chromium	mg/L	0.0025		0.0024		<0.0025	D3	0.00066					
Cobalt	mg/L	0.00052	J	0.0014	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	37		25		70.4		64.9					
Conductivity	umhos/cm	7,600		9.9		8,750		8190					
Copper	mg/L	0.0019		0.0084		<0.0025	D3	<0.00050					
Hardness (as CaCO3)	mg/L	1700		1,900		1,560		1500					
Iron	mg/L	<0.0050	U	0.16	J, D	<0.25	D3	<0.050					
Lead	mg/L	<0.0010	U	0.00030	J	<0.0005	D3	0.00028					
Magnesium	mg/L	0.021		0.32	J, D	<0.025	D3	0.149					
Manganese	mg/L	0.0025		0.041		<0.0025	D3	0.0037					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.022		0.043		0.0055		0.0091					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	0.050				0.12					
Nitrogen, Nitrite	mg/L	0.64		0.042		0.18		0.47					
pH	pH Units	11.9		12.6		12.5		12.3					
Potassium	mg/L	77	B	88	D	57		72.8					
Selenium	mg/L	0.0010	J	0.020		<0.0025	D3	0.00064					
Silver	mg/L	<0.0010	U	<0.0010	U	0.0038	D3	<0.00050					
Sodium	mg/L	210	D	600	D	184		321					
Sulfate as SO4	mg/L	66	D	16	B	82		78.3					
Thallium	mg/L	<0.0010	U	0.00034	J	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	2,100	D	3,300	D	2,140		2160					
Turbidity	NTU	0.31		4.0		0.27		0.47					
Vanadium	mg/L	<0.0050	U	<0.0050	U	0.003		0.0022					
Zinc	mg/L	0.016		0.0032	J	<0.025	D3	0.0128					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP05 - PZM019											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/12/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	1600		1400		1300		1400					
Ammonia (N)	mg/L	8.1	D	6.5	D	7.3		7.9					
Antimony	mg/L	0.00086	J	0.00054	J	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.0023		0.0014	J	<0.0025	D3	0.0013					
Barium	mg/L	0.88		0.53		0.88		0.888					
Beryllium	mg/L	<0.0010	U	0.00043	J	<0.001	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.0004	D3	<0.000080					
Calcium	mg/L	800	D	620	D	780		686					
Chloride	mg/L	9.5		470	D	1730		997					
Chromium	mg/L	0.0039		0.0016	J	<0.0025	D3	0.00057					
Cobalt	mg/L	0.00070	J	0.0012	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	58		21		85.6		84.7					
Conductivity	umhos/cm	11,000		6.5		11,800		10500					
Copper	mg/L	0.0077		0.0015		<0.0025	D3	<0.00050					
Hardness (as CaCO3)	mg/L	2,000		1,600		1,880		1670					
Iron	mg/L	0.14	B	<0.25	U, D	<0.25	D3	0.0805					
Lead	mg/L	0.00025	J, B	0.00037	J	<0.00050		0.00012					
Magnesium	mg/L	0.15		0.21	J, D	0.11		0.118					
Manganese	mg/L	0.032		0.0045		0.011		0.0108					
Mercury	mg/L	0.000030	J	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.034		0.037		0.011		0.0114					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	0.054				<0.10					
Nitrogen, Nitrite	mg/L	0.046		0.88		0.043		0.021					
pH	pH Units	12.0		11.9		12.5		12.4					
Potassium	mg/L	97	D, B	66	D	74		77.0					
Selenium	mg/L	0.0028	J	0.0084		<0.0025	D3	0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	0.00059					
Sodium	mg/L	840	D	240	D	686		475					
Sulfate as SO4	mg/L	11		37		29.4		20.0					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	4,700	D	2,000	D	3,220		3200					
Turbidity	NTU	7.8		3.0		0.4		0.35					
Vanadium	mg/L	<0.0050	U	0.0053		0.0015		0.0020					
Zinc	mg/L	0.034		0.0031	J	<0.025	D3	0.0106					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP05 - PZM028											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/13/2011		3/19/2013		9/24/2013							
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	450	D	770		500							
Ammonia (N)	mg/L	15	D	2.5		17.9							
Antimony	mg/L	0.0021	J	<0.010	D3	<0.00050							
Arsenic	mg/L	0.0064		<0.010	D3	0.00087							
Barium	mg/L	0.32		0.64		0.331							
Beryllium	mg/L	<0.0010	U	<0.010	D3	<0.00020							
Cadmium	mg/L	<0.00050	U	<0.020	D3	<0.000080							
Calcium	mg/L	320	D	311		295							
Chloride	mg/L	3,200	D	523		3160							
Chromium	mg/L	0.0077	B	<0.050		0.00090							
Cobalt	mg/L	0.00044	J	<0.050	D3	<0.00050							
COD, Total	mg/L	110		39.9		256							
Conductivity	umhos/cm	11,000		5440		11400							
Copper	mg/L	0.019		<0.050		0.00066							
Hardness (as CaCO3)	mg/L	800		757		760							
Iron	mg/L	0.23		<0.25		<0.050							
Lead	mg/L	0.00061	J	<0.010		<0.00010							
Magnesium	mg/L	0.26		0.088		4.47							
Manganese	mg/L	0.025		<0.050		0.0034							
Mercury	mg/L	<0.00020	U	<0.00020		<0.00020							
Nickel	mg/L	0.015		<0.055		0.0036							
Nitrogen, Nitrate	mg/L	<0.050		0.47		<0.10							
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U			<0.10							
Nitrogen, Nitrite	mg/L	0.031		2.4		<0.010							
pH	pH Units	12.5		12.2		11.7							
Potassium	mg/L	120	D, B	56.7		92.2							
Selenium	mg/L	0.021		<0.18	D3	<0.00050							
Silver	mg/L	<0.0010	U	<0.050	D3	<0.00050							
Sodium	mg/L	1,800	D	260		1760							
Sulfate as SO4	mg/L	27		33		21.1							
Thallium	mg/L	0.00052	J	<0.010	D3	<0.00010							
Total Dissolved Solids	mg/L	3,500	D	1,470		5940							
Turbidity	NTU	1.2		0.28		2.7							
Vanadium	mg/L	<0.0050	U	<0.050		0.0055							
Zinc	mg/L	0.0075		<0.050	D3	0.0114							

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP07 - PZM006											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/10/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	65	D	180	D	400		300					
Ammonia (N)	mg/L	7.2	D	16	D	23.4		14.5					
Antimony	mg/L	0.0011	J	0.00070	J	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.0023		0.0048		0.0045		0.0062					
Barium	mg/L	0.019		0.018		0.090		0.0778					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.0010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	0.00031	J	<0.00040	D3	<0.000080					
Calcium	mg/L	120	D	130	D	135	M6	142					
Chloride	mg/L	130	D	180	D	208		146					
Chromium	mg/L	0.0032		<0.0020	U	<0.0025	D3	0.00052					
Cobalt	mg/L	<0.0050	U	0.00055	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	24		38		50.8		62.7					
Conductivity	umhos/cm	1,100		1,300		2,900		2500					
Copper	mg/L	0.0026		0.0015		<0.0025	D3, M6	0.00062					
Hardness (as CaCO3)	mg/L	300		320		300		332					
Iron	mg/L	0.041	B	<0.25	U, D	<0.25	D3	<0.050					
Lead	mg/L	0.00048	J, B	0.00026	J	<0.00050	D3	<0.00010					
Magnesium	mg/L	0.12		0.15	J, D	0.087		0.0819					
Manganese	mg/L	0.0033		0.0010		<0.0025	D3	<0.00050					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0079		0.012		0.0065		0.0074					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		0.36		0.31					
Nitrogen, Nitrate-Nitrite	mg/L	0.043	J	0.077				0.39					
Nitrogen, Nitrite	mg/L	0.37		0.050		0.21		0.081					
pH	pH Units	10.9		10.3		7.4		11.5					
Potassium	mg/L	48	B	82	D	78.3	M6	92.2					
Selenium	mg/L	0.0011	J	0.0029	J	<0.0025	D3	0.00081					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	120	D	170	D	152	M6	169					
Sulfate as SO4	mg/L	300	D	400	D	345		291					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	850	D	1,100	D	909		1060					
Turbidity	NTU	0.91		0.29		0.25		0.28					
Vanadium	mg/L	0.59		0.46		0.15		0.100					
Zinc	mg/L	<0.0050	U	0.0017	J	<0.025	D3	0.0053					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP08 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/10/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	460	D	370	D	600		400					
Ammonia (N)	mg/L	6.8	D	6.8	D	7.0		7.2					
Antimony	mg/L	0.00044	J	<0.0050	U	<0.010	D3	0.00065					
Arsenic	mg/L	<0.0020	U	0.00076	J	<0.010	D3	0.0010					
Barium	mg/L	0.084		0.067		0.061		0.0537					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	0.00024	J	<0.020	D3	0.000082					
Calcium	mg/L	320	D	340	D	389		371					
Chloride	mg/L	58	D	56		85.5		50.8					
Chromium	mg/L	0.0068		0.0013	J	<0.050	D3	0.0015					
Cobalt	mg/L	0.00026	J	0.00065	J	<0.050	D3	<0.00050					
COD, Total	mg/L	110		120		133		146					
Conductivity	umhos/cm	2,800		2.1		3,050		3050					
Copper	mg/L	0.0029		0.0023		<0.050	D3	0.00079					
Hardness (as CaCO3)	mg/L	790		840		940		911					
Iron	mg/L	0.36	B	<0.25	U, D	<0.25	D3	0.166					
Lead	mg/L	0.0010	B	<0.0010	U	<0.010		0.00050					
Magnesium	mg/L	0.18		<0.50	U, D	0.07		0.222					
Manganese	mg/L	0.046		0.0048		<0.050		0.0367					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.010		0.019		<0.055		0.0025					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		0.19		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			<0.10					
Nitrogen, Nitrite	mg/L	0.034		0.0081	J	<0.010		0.014					
pH	pH Units	12.0		11.8		11.9		11.7					
Potassium	mg/L	71	B	66	D	57		57.8					
Selenium	mg/L	<0.0050	U	0.0014	J	<0.18	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	62		77	D	53		52.7					
Sulfate as SO4	mg/L	570	D	590	D	721		683					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	1,400	D	1,300	D	1,490		1450					
Turbidity	NTU	0.42		0.39		0.24		5.1					
Vanadium	mg/L	0.031		0.027		<0.050		0.0259					
Zinc	mg/L	0.0025	J	0.0020	J	<0.050	D3	0.0110					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP08 - PZM034											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/10/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	840	D	1,200	D	700		1060					
Ammonia (N)	mg/L	26	D	39	D	42.2		30.7					
Antimony	mg/L	0.0021	J	<0.0050	U	<0.010	D3	0.0026					
Arsenic	mg/L	0.0057		0.015		<0.010	D3	0.00091					
Barium	mg/L	0.078		0.067		0.069		0.0843					
Beryllium	mg/L	<0.0010	U	0.00044	J	<0.010	D3	0.00024					
Cadmium	mg/L	<0.00050	U	0.00048	J	<0.020	D3	0.00019					
Calcium	mg/L	100	D	100	D	106		104					
Chloride	mg/L	3,900	D	3,600	D	6,950		3750					
Chromium	mg/L	0.0066		0.0060		<0.050		0.0136					
Cobalt	mg/L	0.00062	J	0.00095	J	<0.050	D3	0.00088					
COD, Total	mg/L	93		88		353		367					
Conductivity	umhos/cm	1,100		11		12,700		13500					
Copper	mg/L	0.027		0.0019		<0.050	D3	0.0410					
Hardness (as CaCO3)	mg/L	1,200		1,200		1,090		1260					
Iron	mg/L	6.4	B	5.5	D	4.8		5.83					
Lead	mg/L	0.0011	B	0.00078	J	<0.010	D3	0.0097					
Magnesium	mg/L	230	D	220	D	217		235					
Manganese	mg/L	1.8	D	2.0	D	1.9		1.82					
Mercury	mg/L	0.000087	J	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0038	J	0.0067		<0.055	D3	0.0043					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	0.042	J			<0.10					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		<0.010					
pH	pH Units	7.40		7.11		7.5		8.0					
Potassium	mg/L	97	B	75	D	69.8		74.9					
Selenium	mg/L	0.020		0.064		<0.18	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	0.00076					
Sodium	mg/L	2,200	D	2,200	D	2,290		2340					
Sulfate as SO4	mg/L	7.9		16	B	11.1		<10.0					
Thallium	mg/L	0.00045	J	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	3,200	D	5,100	D	6,300		7030					
Turbidity	NTU	39		53	D	44.4		41.0					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.050		0.0221					
Zinc	mg/L	0.0042	J	0.0038	J	<0.050	D3	0.0653					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP09 - PZM010											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/11/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	980	D	520	D	500		700					
Ammonia (N)	mg/L	9.0	D	0.23		8		0.11					
Antimony	mg/L	0.0013	J	<0.0050	U	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.0024		0.0096		<0.0025	D3	0.0011					
Barium	mg/L	0.11		0.085		0.13		0.0976					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.0010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.00040	D3	<0.000080					
Calcium	mg/L	640	D	520	D	697		653					
Chloride	mg/L	2,400	D	3,000	D	4,670		3860					
Chromium	mg/L	0.016		0.075		0.017		0.0665					
Cobalt	mg/L	0.00055	J	0.0010	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	39		<10	U	157		234					
Conductivity	umhos/cm	10,000		10		14,300		15600					
Copper	mg/L	0.032		0.0024		0.0057		0.0012					
Hardness (as CaCO3)	mg/L	1,600		1,300		1,730		1560					
Iron	mg/L	<0.0050	U	<0.25	U, D	<0.25		<0.050					
Lead	mg/L	0.074	B	0.0070		0.031		0.0030					
Magnesium	mg/L	7.3		0.27	J, D	21.5		0.126					
Manganese	mg/L	0.0083		0.00064	J	0.007		<0.00050					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.020		0.029		0.0067		0.0015					
Nitrogen, Nitrate	mg/L	<0.050		1.8		0.18		1.9					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	2.1				2.0					
Nitrogen, Nitrite	mg/L	0.39		0.25		0.49		0.55					
pH	pH Units	12.2		11.9		12.2		11.6					
Potassium	mg/L	98	B	66	D	87.1		89.9					
Selenium	mg/L	0.0023	J	0.044		<0.0025	D3	0.00064					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	1,200	D	1,700	D	1,910		2500					
Sulfate as SO4	mg/L	310	D	380	D	471		594					
Thallium	mg/L	0.00034	J	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	3,800	D	6,200	D	6,350		8570					
Turbidity	NTU	2.4		0.14		8.6		0.46					
Vanadium	mg/L	0.0013	J	0.0014	J	0.02		0.0159					
Zinc	mg/L	0.0080		0.0013	J	<0.025	D3	0.0063					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP09 - PZM047											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/11/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	1,900	D	4,900	D	1,800		1350					
Ammonia (N)	mg/L	95	D	110	D	190		47.9					
Antimony	mg/L	0.0018	J	0.0025	J	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.013		0.033		<0.0025	D3	0.0017					
Barium	mg/L	0.16		0.15		0.17		0.106					
Beryllium	mg/L	<0.0010	U	0.00046	J	<0.0010	D3	0.00022					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.00040	D3	<0.000080					
Calcium	mg/L	98	D	95	D	94.5		114					
Chloride	mg/L	6,800	D	6,300	D	8,250		4940					
Chromium	mg/L	0.0059		0.0076		0.0034		0.0012					
Cobalt	mg/L	0.0020	J	0.0027	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	170	D	150		690		350					
Conductivity	umhos/cm	18,000		17		21,100		17300					
Copper	mg/L	0.14		0.0027		<0.0025	D3	0.00062					
Hardness (as CaCO3)	mg/L	2,300		2,100		2,220		1340					
Iron	mg/L	18	B	19	D	16.1		<0.050					
Lead	mg/L	0.00071	J, B	0.0014		<0.00050	D3	<0.00010					
Magnesium	mg/L	490	D	460	D	443		248					
Manganese	mg/L	1.5	D	1.8	D	1.6		0.305					
Mercury	mg/L	0.000029	J	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0045	J	0.0076		<0.0025	D3	0.00066					
Nitrogen, Nitrate	mg/L	0.051		0.11		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	0.051		0.11				<0.10					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		0.010					
pH	pH Units	7.54		7.16		7.3		8.0					
Potassium	mg/L	170	D, B	150	D	142		80.3					
Selenium	mg/L	0.026		0.14		<0.0025	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	0.0027		<0.00050					
Sodium	mg/L	3,800	D	3,700	D	3,720		2120					
Sulfate as SO4	mg/L	6.0		7.8		6.6		58.9					
Thallium	mg/L	0.00030	J	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	6,700	D	7,200	D	10,900		9320					
Turbidity	NTU	120	D	210	D	106		122					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.00050		0.0061					
Zinc	mg/L	0.0056		0.0084		<0.025	D3	0.0095					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP10 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/20/2011		8/16/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	2,300	D	2,000		1,700		2500					
Ammonia (N)	mg/L	42	D	11	D	42		29.0					
Antimony	mg/L	0.00081	J	0.00062	J	<0.010		0.0013					
Arsenic	mg/L	0.0026		0.0019	J	<0.010		0.0038					
Barium	mg/L	1.1	D	1.0		0.88		0.908					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.020	D3	<0.000080					
Calcium	mg/L	810	D	790	D	750		718					
Chloride	mg/L	560	D	510	D	775		388					
Chromium	mg/L	0.0068		0.0095		<0.050		0.0138					
Cobalt	mg/L	0.0010	J	0.0016	J	<0.050	D3	0.00055					
COD, Total	mg/L	110		6.0	J	155		150					
Conductivity	umhos/cm	760		700		12200		11800					
Copper	mg/L	0.0077		0.0025		<0.050		0.0048					
Hardness (as CaCO3)	mg/L	2,000		2,000		1,890		1780					
Iron	mg/L	0.57	B	<0.25	U, D	0.43		1.41					
Lead	mg/L	0.0025	B	0.0013		<0.010		0.0060					
Magnesium	mg/L	0.19		0.26	J, D	0.089		1.00					
Manganese	mg/L	0.026		0.00078	J	<0.050		0.153					
Mercury	mg/L	0.00021		<0.00020	U	0.0003		0.00029					
Nickel	mg/L	0.036		0.051		<0.055		0.0152					
Nitrogen, Nitrate	mg/L	<0.12		<0.050		<0.060		0.55					
Nitrogen, Nitrate-Nitrite	mg/L	1.3		0.57				0.76					
Nitrogen, Nitrite	mg/L	2.8	D	0.93		2.5		2.1					
pH	pH Units	9.41		9.30		12.6		12.4					
Potassium	mg/L	220	D, B	81	D	202		199					
Selenium	mg/L	<0.0050	U	0.0084		<0.18	D3	0.0017					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	0.00054					
Sodium	mg/L	370	D	270	D	336		357					
Sulfate as SO4	mg/L	36		28	B	67.6		76.3					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	1,500	D, B	2,300	D	2,960		3070					
Turbidity	NTU	1.9		0.24		1.6		7.4					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.050	D3	0.0059					
Zinc	mg/L	0.044		0.0012	J	<0.050	D3	0.0327					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP11 - PZM010											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/16/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	2,000		1,800		1,800		2100					
Ammonia (N)	mg/L	12	D	8.6	D	18.2		11.0					
Antimony	mg/L	0.00058	J	<0.0050	U	<0.0025	D3	<0.00050					
Arsenic	mg/L	<0.0020	U	0.0018	J	<0.0025	D3	0.0020					
Barium	mg/L	0.94		1.0	D	0.94		1.06					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.0010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.00040	D3	<0.000080					
Calcium	mg/L	830	D	780	D	676		787					
Chloride	mg/L	500	D	860	D	572		369					
Chromium	mg/L	0.0035		0.011		<0.0025	D3	0.0012					
Cobalt	mg/L	0.00087	J	0.0022	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	40		6.6	J	46.4		54.0					
Conductivity	umhos/cm	8,900		8.2		11,100		10800					
Copper	mg/L	0.0034		0.0027		<0.0025	D3	0.00088					
Hardness (as CaCO3)	mg/L	2,100		2,000		1,940		2000					
Iron	mg/L	<0.0050	U	0.20	J, D	<0.25	D3	0.0873					
Lead	mg/L	0.00084	J, B	0.0018		<0.00050	D3	0.00013					
Magnesium	mg/L	0.024		0.17	J, D	0.13		0.0718					
Manganese	mg/L	0.0015		0.00094	J	<0.0025	D3	0.0015					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.031		0.052		0.0086		0.0095					
Nitrogen, Nitrate	mg/L	<0.050		0.21		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	0.12		1.5				<0.10					
Nitrogen, Nitrite	mg/L	0.54		1.3	D	0.43		0.34					
pH	pH Units	12.3		12.2		12.7		12.3					
Potassium	mg/L	92	D, B	80	D	78.2		81.2					
Selenium	mg/L	<0.0050	U	0.0093		<0.0025	D3	0.00084					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	270	D	270	D	242		266					
Sulfate as SO4	mg/L	13		35	B	29.6		39.1					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	4,400	D	3,500	D	2,600		2560					
Turbidity	NTU	0.65		0.090	J	0.28		2.5					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.00050	D3	0.00069					
Zinc	mg/L	0.039		0.0017	J	0.025	D3	<0.0050					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP12 - PZM012											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/12/2011		8/12/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	270	D	280	D	128		500					
Ammonia (N)	mg/L	0.14		2.6		2.4		2.3					
Antimony	mg/L	0.00072	J	0.00056	J	<0.010	D3	<0.00050					
Arsenic	mg/L	0.0020		0.0067		<0.010	D3	0.00086					
Barium	mg/L	0.063		0.075		0.092		0.106					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.020	D3	<0.000080					
Calcium	mg/L	390	D	290	D	484		395					
Chloride	mg/L	2,500	D	1,700	D	4,670		2700					
Chromium	mg/L	0.0039		0.0026		<0.050		0.00074					
Cobalt	mg/L	0.00031	J	0.00064	J	<0.050	D3	<0.00050					
COD, Total	mg/L	34		<10	U	201		126					
Conductivity	umhos/cm	6,900		9.4		12,700		11400					
Copper	mg/L	0.014		0.0014		<0.050	D3	0.00082					
Hardness (as CaCO3)	mg/L	980		720		1140		972					
Iron	mg/L	0.12	B	<0.25	U, D	<0.25	D3	<0.050					
Lead	mg/L	0.00078	J, B	<0.0010	U	<0.010	D3	0.00019					
Magnesium	mg/L	5.7		1.3	D	7		0.0974					
Manganese	mg/L	0.029		0.0012		<0.050		0.0015					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.012		0.018		<0.055	D3	0.0031					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		0.062		0.67					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	0.51				0.74					
Nitrogen, Nitrite	mg/L	0.22		0.63		0.52		0.70					
pH	pH Units	11.8		7.83		11.4		11.7					
Potassium	mg/L	69	B	56	D	68.7		79.8					
Selenium	mg/L	0.0021	J	0.028		<0.18	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	970	D	990	D	2,010		1700					
Sulfate as SO4	mg/L	120	D	250	D, B	463		389					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	3,900	D	3,300	D	5,960		5710					
Turbidity	NTU	5.7		4.0		10.6		0.76					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.050		0.0051					
Zinc	mg/L	0.0034	J	0.0016	J	<0.050	D3	0.0334					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP12 - PZM052											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/12/2011		8/12/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	270	D	270	D	400		470					
Ammonia (N)	mg/L	0.44		16	M5, D	2.4		<0.10					
Antimony	mg/L	0.00087	J	0.00051	J	<0.010	D3	<0.00050					
Arsenic	mg/L	0.017		0.026		<0.010		0.0047					
Barium	mg/L	0.079		0.073		0.082		0.0814					
Beryllium	mg/L	<0.0010	U	0.00044	J	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.020	D3	0.000082					
Calcium	mg/L	120	D	130	D	111		99.8					
Chloride	mg/L	4,700	D	4,200	D	4,820		3480					
Chromium	mg/L	0.0080		0.0037		<0.050	D3	0.0012					
Cobalt	mg/L	0.00061	J	0.00081	J	<0.050	D3	<0.00050					
COD, Total	mg/L	78		28		244		186					
Conductivity	umhos/cm	12,000		17		13,500		11800					
Copper	mg/L	0.071		0.0025		<0.050	D3	0.0023					
Hardness (as CaCO3)	mg/L	1,400		1,400		1,380		1070					
Iron	mg/L	4.9	B	2.7	D	0.95		0.0920					
Lead	mg/L	0.0032	B	0.0016		<0.010	D3	0.00023					
Magnesium	mg/L	270	D	260	D	249		190					
Manganese	mg/L	0.69		0.75		0.6		0.125					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0051		0.0085		<0.055	D3	0.00089					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		0.37					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			0.37					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		<0.010					
pH	pH Units	8.52		8.51		8.2		7.8					
Potassium	mg/L	93	D, B	88	D	77.3		65.0					
Selenium	mg/L	0.010		0.067		<0.18	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	2,200	D	2,300	D	2,250		1770					
Sulfate as SO4	mg/L	360	D	300	D	306		59.4					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	6,300	D	6,700	D	7,080		6280					
Turbidity	NTU	28		17		3.4		7.8					
Vanadium	mg/L	0.0033	J	<0.0050	U	<0.050		0.0060					
Zinc	mg/L	0.017		0.0075		<0.050	D3	0.0208					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP14 - PZM009											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/19/2011		8/10/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	2,000		2,400	D	1,700		2200					
Ammonia (N)	mg/L	3.8		6.2	D	5.3		5.6					
Antimony	mg/L	0.00096	J	<0.0050	U	<0.0025	D3	<0.00050					
Arsenic	mg/L	<0.0020	U	<0.0020	U	<0.0025	D3	0.0015					
Barium	mg/L	0.26		0.23		0.23		0.228					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.001	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	0.00023	J	<0.00040	D3	<0.000080					
Calcium	mg/L	900	D	890	D	900		814					
Chloride	mg/L	74	D	91	D	98.2		86.8					
Chromium	mg/L	0.0036		0.0014	J	<0.0025	D3	0.00059					
Cobalt	mg/L	0.00079	J	0.0019	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	15		16		31.2		25.5					
Conductivity	umhos/cm	910		7.4		10,600		9940					
Copper	mg/L	0.0021		0.0021		<0.0025	D3	0.00064					
Hardness (as CaCO3)	mg/L	2,300		2,200		2,060		1930					
Iron	mg/L	<0.0050	U	<0.25	U, D	<0.25	D3	<0.050					
Lead	mg/L	0.00063	J, B	<0.0010	U	<0.00050	D3	0.00010					
Magnesium	mg/L	0.11		<0.50	U, D	0.19		0.0892					
Manganese	mg/L	0.015		0.0033		0.028		0.0029					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.027		0.058		0.0043		0.0049					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	0.095		0.069				<0.10					
Nitrogen, Nitrite	mg/L	0.060		0.054		0.026		0.029					
pH	pH Units	12.7		7.35		12.7		12.3					
Potassium	mg/L	44	B	43	D	59.6		67.0					
Selenium	mg/L	<0.0050	U	0.0028	J	<0.0025	D3	0.00054					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	72		95	D	92.4		91.9					
Sulfate as SO4	mg/L	100	D	98	D, B	156		137					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	2,100	D	3,200	D	2,210		2250					
Turbidity	NTU	0.64		0.43		0.24		0.42					
Vanadium	mg/L	<0.0050	U	<0.0050	U	0.0015		0.00045					
Zinc	mg/L	0.0045	J	<0.0050	U	<0.025	D3	0.0070					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Coke Point Landfill**  
**Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP14 - PZM062											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/19/2011		8/16/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	200	D	210	D	300		264					
Ammonia (N)	mg/L	31	D	30	D	49.6		<0.10					
Antimony	mg/L	0.0013	J	<0.0050	U	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.0048		0.011		<0.0025	D3	0.0026					
Barium	mg/L	0.061		0.056		0.057		0.0633					
Beryllium	mg/L	<0.0010	U	0.00043	J	<0.001	D3	<0.00020					
Cadmium	mg/L	0.00038	J	0.00038	J	<0.00040	D3	<0.000080					
Calcium	mg/L	38		39	D	39.1		38.2					
Chloride	mg/L	2,300	D	2,000	D	2,500		1710					
Chromium	mg/L	0.0035		0.0022		<0.0025	D3	<0.00050					
Cobalt	mg/L	<0.0050	U	0.00037	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	31		22		114		161					
Conductivity	umhos/cm	5,500		17		6,740		6660					
Copper	mg/L	0.019		0.0012		<0.0025	D3	0.00064					
Hardness (as CaCO3)	mg/L	450		450		485		481					
Iron	mg/L	0.79	B	0.42	D	<0.25	D3	0.704					
Lead	mg/L	0.00044	J, B	0.0023		<0.00050	D3	<0.00010					
Magnesium	mg/L	85		86	D	89.4		97.0					
Manganese	mg/L	0.28		0.34		<0.0025		0.527					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0030	J	0.0043	J	<0.0025	D3	<0.00050					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			<0.10					
Nitrogen, Nitrite	mg/L	0.040		0.0087	J	<0.010		<0.010					
pH	pH Units	8.74		8.49		8.3		8.0					
Potassium	mg/L	74	B	61	D	55.4		58.4					
Selenium	mg/L	0.0097		0.039		<0.0025	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	0.00077					
Sodium	mg/L	1,000	D	1,000	D	1,070		1030					
Sulfate as SO4	mg/L	0.92	J	ce in original run, results report		7		<10.0					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	2,900	D	3,100	D	3,130		3290					
Turbidity	NTU	2.5		7.2		2.9		4.5					
Vanadium	mg/L	<0.0050	U	<0.0050	U	0.0006	D3	0.0015					
Zinc	mg/L	0.0035	J	0.0045	J	<0.025	D3	0.0087					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP15 - PZM020											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/10/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	1,900		2,000	D	1,500		2100					
Ammonia (N)	mg/L	19	D	25	D	39.9		18.5					
Antimony	mg/L	0.00068	J	0.00086	J	<0.0025	D3	<0.00050					
Arsenic	mg/L	0.0012	J	0.0027		0.0026		0.0026					
Barium	mg/L	1.3	D	1.3	D	1.3		1.18					
Beryllium	mg/L	<0.0010	U	0.00043	J	<0.001	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	0.00024	J	<0.00040	D3	<0.000080					
Calcium	mg/L	750	D	740	D	596		708					
Chloride	mg/L	1,600	D	420	D	1,240		466					
Chromium	mg/L	0.0037		0.014		0.0029		0.0429					
Cobalt	mg/L	0.00093	J	0.0019	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	<10	U	37		87.7		69.3					
Conductivity	umhos/cm	8,500		8,700		11,400		10200					
Copper	mg/L	0.0060		0.0025		<0.0025	D3	0.0088					
Hardness (as CaCO3)	mg/L	1,900		1,900		1,780		1780					
Iron	mg/L	<0.0050	U	<0.25	U, D	<0.25	D3	0.0703					
Lead	mg/L	0.0017	B	0.0010		0.0041		0.0062					
Magnesium	mg/L	0.022		<0.50	U, D	0.038		0.140					
Manganese	mg/L	0.00086	J	0.0013		<0.0025	D3	0.0084					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.040		0.062		0.013		0.0093					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	0.19		0.34				0.17					
Nitrogen, Nitrite	mg/L	0.49		0.59		0.31		0.36					
pH	pH Units	12.5		12.1		12.8		12.3					
Potassium	mg/L	140	D, B	140	D	131		131					
Selenium	mg/L	<0.0050	U	0.010		<0.0025	D3	0.0011					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	390	D	300	D	367		232					
Sulfate as SO4	mg/L	3.1		8.1		25.0		17.6					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	2,800	D	2,600	D	2,710		2700					
Turbidity	NTU	<0.10	U	0.080	J	0.19		1.3					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.00050	D3	0.00097					
Zinc	mg/L	0.038		<0.0050	U	<0.025	D3	0.0080					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP15 - PZM042											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/11/2011		3/18/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	88		940	D	700		842					
Ammonia (N)	mg/L	33	D	40	D	49.1		35.7					
Antimony	mg/L	0.0011	J	0.00068	J	<0.0025	D3	0.0015					
Arsenic	mg/L	0.012		0.029		<0.0025	D3	0.00085					
Barium	mg/L	0.25		0.23		0.23		0.0909					
Beryllium	mg/L	<0.0010	U	0.00043	J	<0.0010		<0.00020					
Cadmium	mg/L	0.00033	J	0.00026	J	<0.00040	D3	<0.000080					
Calcium	mg/L	60		54	D	52.2		5.11					
Chloride	mg/L	6,500	D	5,800	D	8,440		5350					
Chromium	mg/L	0.0033	B	0.0021		<0.0025	D3	0.00067					
Cobalt	mg/L	0.00053	J	0.0010	J	<0.0025	D3	<0.00050					
COD, Total	mg/L	120		87		429		334					
Conductivity	umhos/cm	1,700		17		18,700		18400					
Copper	mg/L	0.053		0.0021		<0.0025	D3	0.00087					
Hardness (as CaCO3)	mg/L	1,700		1,600		1,600		217					
Iron	mg/L	1.6		1.2	D	1.7		<0.050					
Lead	mg/L	0.00028	J	0.00024	J	<0.00050	D3	0.00014					
Magnesium	mg/L	370	D	360	D	365		39.7					
Manganese	mg/L	0.29		0.32		0.28		0.0093					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.0045	J	0.0060		<0.0025	D3	0.0029					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		0.1		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			<0.10					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		<0.010					
pH	pH Units	8.45		8.21		8.2		8.0					
Potassium	mg/L	130	D, B	120	D	108		120					
Selenium	mg/L	0.034		0.11		<0.0025	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.0025	D3	<0.00050					
Sodium	mg/L	3200	D	3300	D	3430		775					
Sulfate as SO4	mg/L	1.4				4.3		<10.0					
Thallium	mg/L	0.00074	J	<0.0010	U	<0.00050	D3	<0.00010					
Total Dissolved Solids	mg/L	7,100	D	6,500	D	9,910		9930					
Turbidity	NTU	18		19		6.5		7.2					
Vanadium	mg/L	<0.0050	U	<0.0050	U	0.0016		0.00094					
Zinc	mg/L	0.0076		0.0029	J	<0.025	D3	0.142					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill  
Inorganics - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	Units	Well CP16 - PZM035											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/19/2011		8/12/2011		3/19/2013		9/24/2013					
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	2,200	D	2,200		1,800		3000					
Ammonia (N)	mg/L	13	D	22	M5, D	21.8		12.1					
Antimony	mg/L	<0.0050	U	<0.0050	U	<0.010	D3	<0.00050					
Arsenic	mg/L	<0.0020	U	<0.0020	U	<0.010	D3	0.0011					
Barium	mg/L	0.73		0.74		0.76		0.724					
Beryllium	mg/L	<0.0010	U	0.00042	J	<0.010	D3	<0.00020					
Cadmium	mg/L	<0.00050	U	<0.00050	U	<0.020	D3	<0.000080					
Calcium	mg/L	980	D	960	D	792		881					
Chloride	mg/L	410	D	350	D	557		253					
Chromium	mg/L	0.0024	B	0.0012	J	<0.050	D3	0.0011					
Cobalt	mg/L	0.00088	J	0.0026	J	<0.050	D3	<0.00050					
COD, Total	mg/L	65		63		89.9		93.4					
Conductivity	umhos/cm	930		11		11,500		10900					
Copper	mg/L	0.0025		0.0021		<0.050	D3	0.00065					
Hardness (as CaCO3)	mg/L	2,400		2,400		2,310		2180					
Iron	mg/L	<0.0050	U	<0.25	U, D	<0.25	D3	<0.050					
Lead	mg/L	0.00024	J	0.0019		<0.010	D3	<0.00010					
Magnesium	mg/L	0.067		<0.50	U, D	0.12		0.0808					
Manganese	mg/L	0.0084		0.0018		<0.050	D3	0.0030					
Mercury	mg/L	<0.00020	U	<0.00020	U	<0.00020		<0.00020					
Nickel	mg/L	0.042		0.085		<0.055		0.0135					
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.060		<0.10					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050	U	<0.050	U			<0.10					
Nitrogen, Nitrite	mg/L	<0.012	U	<0.012	U	<0.010		<0.010					
pH	pH Units	13.2		12.3		12.6		12.3					
Potassium	mg/L	77	B	68	D	60.2		60.9					
Selenium	mg/L	<0.0050	U	0.0058		<0.18	D3	<0.00050					
Silver	mg/L	<0.0010	U	<0.0010	U	<0.050	D3	<0.00050					
Sodium	mg/L	170	D	170	D	141		140					
Sulfate as SO4	mg/L	<1.0	U			36.5		29.3					
Thallium	mg/L	<0.0010	U	<0.0010	U	<0.010	D3	<0.00010					
Total Dissolved Solids	mg/L	2,200	D	2,300	D	2,560		2650					
Turbidity	NTU	0.61		0.62		0.19		1.5					
Vanadium	mg/L	<0.0050	U	<0.0050	U	<0.050	D3	0.00040					
Zinc	mg/L	0.025		<0.0050	U	<0.050	D3	0.0108					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

## **APPENDIX C**



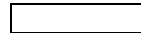


Dibenzofuran	8270	<5.0	U	<5.0	U									
Diethylphthalate	8270	<5.0	U	<5.0	U									
Dimethylphthalate	8270	<5.0	U	<5.0	U									
Di-n-butylphthalate	8270	<5.0	U	<5.0	U									
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U									
Fluoranthene	8270	<5.0	U	<5.0	U									
Fluorene	8270	<5.0	U	<5.0	U									
Hexachlorobenzene	8270	<5.0	U	<5.0	U									
Hexachlorobutadiene	8270	<5.0	U	<5.0	U									
Hexachlorocyclopentadiene	8270	<10	U	<10	U									
Hexachloroethane	8270	<5.0	U	<5.0	U									
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U									
Isophorone	8270	<5.0	U	<5.0	U									
Naphthalene	8270	<5.0	U	<5.0	U									
Nitrobenzene	8270	<5.0	U	<5.0	U									
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U									
Pentachloroethane	8270	<5.0	U	<5.0	U									
Pentachlorophenol	8270	<10	U	<10	U									
Phenanthrene	8270	<5.0	U	<5.0	U									
Phenol	8270	<5.0	U	<5.0	U									
Pyrene	8270	<5.0	U	<5.0	U									
Pyridine	8270	<5.0	U	<5.0	U									

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





Dibenzofuran	8270	<5.0	U	<5.0	U									
Diethylphthalate	8270	<5.0	U	<5.0	U									
Dimethylphthalate	8270	<5.0	U	<5.0	U									
Di-n-butylphthalate	8270	<5.0	U	<5.0	U									
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U									
Fluoranthene	8270	<5.0	U	<5.0	U									
Fluorene	8270	<5.0	U	<5.0	U									
Hexachlorobenzene	8270	<5.0	U	<5.0	U									
Hexachlorobutadiene	8270	<5.0	U	<5.0	U									
Hexachlorocyclopentadiene	8270	<10	U	<10	U									
Hexachloroethane	8270	<5.0	U	<5.0	U									
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U									
Isophorone	8270	<5.0	U	<5.0	U									
Naphthalene	8270	<5.0	U	<5.0	U									
Nitrobenzene	8270	<5.0	U	<5.0	U									
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U									
Pentachloroethane	8270	<5.0	U	<5.0	U									
Pentachlorophenol	8270	<10	U	<10	U									
Phenanthrene	8270	<5.0	U	<5.0	U									
Phenol	8270	<5.0	U	<5.0	U									
Pyrene	8270	<5.0	U	<5.0	U									
Pyridine	8270	<5.0	U	<5.0	U									

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



## Coke Point Landfill

## Semi Volatile Organic Compounds - Groundwater Monitoring Wells Analytical Results

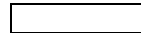
Chemical Analyte	EPA Method	Well CP05 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/12/2011		8/11/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,2-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,3-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,4-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4,5-Trichlorophenol	8270	<5.0	U	<5.0	U	<2.7		<2.6					
2,4,6-Trichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4-Dichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4-Dimethylphenol	8270	4.8	J	6.1		2.4		2.1					
2,4-Dinitrophenol	8270	<10	U	<10	U	<2.7		<2.6					
2,4-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,6-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Chloronaphthalene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Chlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Methylnaphthalene	8270	<5.0	U	3.5	J	1.4		<1.0					
2-Methylphenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Nitrophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
3,3'-Dichlorobenzidine	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4,6-Dinitro-2-methylphenol	8270	<5.0	U	<5.0	U	<2.7		<2.6					
4-Bromophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Chloro-3-methylphenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Chlorophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Methylphenol, 3-Methylphenol	8270	6.4		12		3.4		<2.1					
4-Nitrophenol	8270	<10	U	<10	U	<1.1		<1.0					
Acenaphthene	8270	3.7	J	3.7	J	2.3		1.5					
Acenaphthylene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Aniline	8270	<5.0	U	<5.0	U			<2.6					
Anthracene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benz(a)anthracene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[a]pyrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[b]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[g,h,i]perylene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[k]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Chloroethoxy)methane	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Chloroethyl)ether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-chloroisopropyl)ether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Ethylhexyl)phthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Butylbenzylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Chrysene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Dibenz[a,h]anthracene	8270	<5.0	U	<5.0	U	<1.1		<1.0					

Dibenzofuran	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Diethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Dimethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Di-n-butylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U	<1.1		<1.0					
Fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Fluorene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Hexachlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Hexachlorobutadiene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Hexachlorocyclopentadiene	8270	<10	U	<10	U	<1.1		<1.0					
Hexachloroethane	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Isophorone	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Naphthalene	8270	20		69		13.8		6.1					
Nitrobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U	<2.7		<2.6					
Phenanthrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Phenol	8270	8.1		20		4.3		2.1					
Pyrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Pyridine	8270	<5.0	U	<5.0	U			<1.0					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix







Dibenzofuran	8270	<5.0	U	<5.0	U									
Diethylphthalate	8270	<5.0	U	<5.0	U									
Dimethylphthalate	8270	<5.0	U	<5.0	U									
Di-n-butylphthalate	8270	<5.0	U	<5.0	U									
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U									
Fluoranthene	8270	<5.0	U	<5.0	U									
Fluorene	8270	<5.0	U	<5.0	U									
Hexachlorobenzene	8270	<5.0	U	<5.0	U									
Hexachlorobutadiene	8270	<5.0	U	<5.0	U									
Hexachlorocyclopentadiene	8270	<10	U	<10	U									
Hexachloroethane	8270	<5.0	U	<5.0	U									
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U									
Isophorone	8270	<5.0	U	<5.0	U									
Naphthalene	8270	81		12										
Nitrobenzene	8270	<5.0	U	<5.0	U									
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U									
Pentachloroethane	8270	<5.0	U	<5.0	U									
Pentachlorophenol	8270	<10	U	<10	U									
Phenanthrene	8270	3.4	J	<5.0	U									
Phenol	8270	30		3.3	J									
Pyrene	8270	<5.0	U	<5.0	U									
Pyridine	8270	<5.0	U	<5.0	U									

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



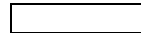


Dibenzofuran	8270	<25	U, D	4.9															
Diethylphthalate	8270	<25	U, D	2.1															
Dimethylphthalate	8270	<25	U, D	<1.1															
Di-n-butylphthalate	8270	<25	U, D	<1.1															
Di-n-octylphthalate	8270	<25	V6, U, D	<1.1															
Fluoranthene	8270	<25	U, D	1.6															
Fluorene	8270	<25	U, D	6.6															
Hexachlorobenzene	8270	<25	U, D	<1.1															
Hexachlorobutadiene	8270	<25	U, D	<1.1															
Hexachlorocyclopentadiene	8270	<50	U, D	<1.1															
Hexachloroethane	8270	<25	U, D	<1.1															
Indeno[1,2,3-cd]pyrene	8270	<25	U, D	<1.1															
Isophorone	8270	<25	U, D	<1.1															
Naphthalene	8270	360	D	239															
Nitrobenzene	8270	<25	U, D	<1.1															
N-Nitrosodimethylamine	8270	<25	U, D	<1.1															
Pentachloroethane	8270	<25	U, D																
Pentachlorophenol	8270	<50	U, D	<2.8															
Phenanthrene	8270	<25	U, D	8.5															
Phenol	8270	61	D	20.2															
Pyrene	8270	<25	U, D	<1.1															
Pyridine	8270	<25	U, D	<1.1															

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





## Coke Point Landfill

## Semi Volatile Organic Compounds - Groundwater Monitoring Wells Analytical Results

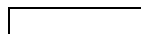
Chemical Analyte	EPA Method	Well CP07 - PZM006											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/10/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
1,2-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
1,3-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
1,4-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2,4,5-Trichlorophenol	8270	<5.0	U	<5.0	U	<2.7		<14.1					
2,4,6-Trichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2,4-Dichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2,4-Dimethylphenol	8270	24		290	D	170		286					
2,4-Dinitrophenol	8270	<10	U	<10	U	<2.7		<14.1					
2,4-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2,6-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2-Chloronaphthalene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2-Chlorophenol	8270	<5.0	U	<5.0	U	<1.1		<5.6					
2-Methylnaphthalene	8270	<5.0	U	<5.0	U	2.1		<5.6					
2-Methylphenol	8270	<5.0	U	51		41.8		82.6					
2-Nitrophenol	8270	<5.0	U	<5.0	U	<1.1		<5.6					
3,3'-Dichlorobenzidine	8270	<5.0	U	<5.0	U	<1.1		<5.6					
4,6-Dinitro-2-methylphenol	8270	<5.0	U	<5.0	U	<2.7		<14.1					
4-Bromophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<5.6					
4-Chloro-3-methylphenol	8270	<5.0	U	<5.0	U	<1.1		<5.6					
4-Chlorophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<5.6					
4-Methylphenol, 3-Methylphenol	8270	<5.0	U	160	D	135		219					
4-Nitrophenol	8270	<10	U	<10	U	<1.1		<5.6					
Acenaphthene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Acenaphthylene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Aniline	8270	<5.0	U	3.5	J			<14.1					
Anthracene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Benz(a)anthracene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Benzo[a]pyrene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Benzo[b]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Benzo[g,h,i]perylene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Benzo[k]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Bis(2-Chloroethoxy)methane	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Bis(2-Chloroethyl)ether	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Bis(2-chloroisopropyl)ether	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Bis(2-Ethylhexyl)phthalate	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Butylbenzylphthalate	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Chrysene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Dibenz[a,h]anthracene	8270	<5.0	U	<5.0	U	<1.1		<5.6					

Dibenzofuran	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Diethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Dimethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Di-n-butylphthalate	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U	<1.1		<5.6					
Fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Fluorene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Hexachlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Hexachlorobutadiene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Hexachlorocyclopentadiene	8270	<10	U	<10	U	<1.1		<5.6					
Hexachloroethane	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Isophorone	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Naphthalene	8270	<5.0	U	52		64.8		84.9					
Nitrobenzene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U	<2.7		<14.1					
Phenanthrene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Phenol	8270	<5.0	U	4.8	J	<1.1		<5.6					
Pyrene	8270	<5.0	U	<5.0	U	<1.1		<5.6					
Pyridine	8270	<5.0	U	<5.0	U			<5.6					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



## Coke Point Landfill

## Semi Volatile Organic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well CP08 - PZM008											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/9/2011		8/10/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,2-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,3-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
1,4-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4,5-Trichlorophenol	8270	<5.0	U	<5.0	U	<2.9		<2.6					
2,4,6-Trichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4-Dichlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,4-Dimethylphenol	8270	30		16		16.7		<1.0					
2,4-Dinitrophenol	8270	<10	U	<10	U	<2.9		<2.6					
2,4-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2,6-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Chloronaphthalene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Chlorophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
2-Methylnaphthalene	8270	19		7.1		7.1		9.5					
2-Methylphenol	8270	21		10		9.1		13.0					
2-Nitrophenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
3,3'-Dichlorobenzidine	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4,6-Dinitro-2-methylphenol	8270	<5.0	U	<5.0	U	<2.9		<2.6					
4-Bromophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Chloro-3-methylphenol	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Chlorophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
4-Methylphenol, 3-Methylphenol	8270	20		10		9.8		20.4					
4-Nitrophenol	8270	<10	U	<10	U	<1.1		<1.0					
Acenaphthene	8270	<5.0	U	<5.0	U	1.3		2.7					
Acenaphthylene	8270	6.2		<5.0	U	1.7		1.9					
Aniline	8270	8.1		6.3				<2.6					
Anthracene	8270	4.3	J	<5.0	U	1.5		1.9					
Benz(a)anthracene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[a]pyrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[b]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[g,h,i]perylene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Benzo[k]fluoranthene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Chloroethoxy)methane	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Chloroethyl)ether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-chloroisopropyl)ether	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Bis(2-Ethylhexyl)phthalate	8270	<5.0	U	<5.0	U	<1.1		1.4					
Butylbenzylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Chrysene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Dibenz[a,h]anthracene	8270	<5.0	U	<5.0	U	<1.1		<1.0					

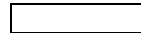


Dibenzofuran	8270	8.3		3.3	J	2.2		2.8					
Diethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Dimethylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Di-n-butylphthalate	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U	<1.1		<1.0					
Fluoranthene	8270	5.3		<5.0	U	2.3		3.1					
Fluorene	8270	10		4.2	J	3.6		3.4					
Hexachlorobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Hexachlorobutadiene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Hexachlorocyclopentadiene	8270	<10	U	<10	U	<1.1		<1.0					
Hexachloroethane	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Isophorone	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Naphthalene	8270	450	D	190	D	273		385					
Nitrobenzene	8270	<5.0	U	<5.0	U	<1.1		<1.0					
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U	<1.1		<1.0					
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U	<2.9		<2.6					
Phenanthrene	8270	21		8.4		7.5		8.7					
Phenol	8270	13		4.2	J	6.1		<1.0					
Pyrene	8270	4.0	J	<5.0	U	1.5		2.3					
Pyridine	8270	200	D	91	D			97.2					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





Dibenzofuran	8270	<5.0	U	<5.0	U									
Diethylphthalate	8270	<5.0	U	<5.0	U									
Dimethylphthalate	8270	<5.0	U	<5.0	U									
Di-n-butylphthalate	8270	<5.0	U	<5.0	U									
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U									
Fluoranthene	8270	<5.0	U	<5.0	U									
Fluorene	8270	<5.0	U	<5.0	U									
Hexachlorobenzene	8270	<5.0	U	<5.0	U									
Hexachlorobutadiene	8270	<5.0	U	<5.0	U									
Hexachlorocyclopentadiene	8270	<10	U	<10	U									
Hexachloroethane	8270	<5.0	U	<5.0	U									
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U									
Isophorone	8270	<5.0	U	<5.0	U									
Naphthalene	8270	<5.0	U	<5.0	U									
Nitrobenzene	8270	<5.0	U	<5.0	U									
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U									
Pentachloroethane	8270	<5.0	U	<5.0	U									
Pentachlorophenol	8270	<10	U	<10	U									
Phenanthrene	8270	<5.0	U	<5.0	U									
Phenol	8270	<5.0	U	<5.0	U									
Pyrene	8270	<5.0	U	<5.0	U									
Pyridine	8270	<5.0	U	<5.0	U									

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





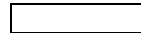


Dibenzofuran	8270	<5.0	U	<5.0	U														
Diethylphthalate	8270	<5.0	U	<5.0	U														
Dimethylphthalate	8270	<5.0	U	<5.0	U														
Di-n-butylphthalate	8270	<5.0	U	<5.0	U														
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U														
Fluoranthene	8270	<5.0	U	<5.0	U														
Fluorene	8270	<5.0	U	<5.0	U														
Hexachlorobenzene	8270	<5.0	U	<5.0	U														
Hexachlorobutadiene	8270	<5.0	U	<5.0	U														
Hexachlorocyclopentadiene	8270	<10	U	<10	U														
Hexachloroethane	8270	<5.0	U	<5.0	U														
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U														
Isophorone	8270	<5.0	U	<5.0	U														
Naphthalene	8270	9.2		<5.0	U														
Nitrobenzene	8270	<5.0	U	<5.0	U														
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U														
Pentachloroethane	8270	<5.0	U	<5.0	U														
Pentachlorophenol	8270	<10	U	<10	U														
Phenanthrene	8270	3.2	J	<5.0	U														
Phenol	8270	3.1	J	<5.0	U														
Pyrene	8270	<5.0	U	<5.0	U														
Pyridine	8270	<5.0	U	<5.0	U														

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



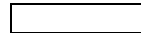


Dibenzofuran	8270	<5.0	U	<5.0	U									
Diethylphthalate	8270	<5.0	U	<5.0	U									
Dimethylphthalate	8270	<5.0	U	<5.0	U									
Di-n-butylphthalate	8270	<5.0	U	<5.0	U									
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U									
Fluoranthene	8270	<5.0	U	<5.0	U									
Fluorene	8270	3.5	J	<5.0	U									
Hexachlorobenzene	8270	<5.0	U	<5.0	U									
Hexachlorobutadiene	8270	<5.0	U	<5.0	U									
Hexachlorocyclopentadiene	8270	<10	U	<10	U									
Hexachloroethane	8270	<5.0	U	<5.0	U									
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U									
Isophorone	8270	<5.0	U	<5.0	U									
Naphthalene	8270	<5.0	U	<5.0	U									
Nitrobenzene	8270	<5.0	U	<5.0	U									
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U									
Pentachloroethane	8270	<5.0	U	<5.0	U									
Pentachlorophenol	8270	<10	U	<10	U									
Phenanthrene	8270	12		5.5										
Phenol	8270	<5.0	U	<5.0	U									
Pyrene	8270	<5.0	U	<5.0	U									
Pyridine	8270	<5.0	U	<5.0	U									

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix







Diethylphthalate	8270	<5.0	U	<5.0	U								
Dimethylphthalate	8270	6.0		<5.0	U								
Di-n-butylphthalate	8270	<5.0	U	<5.0	U								
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U								
Fluoranthene	8270	4.6	J	<5.0	U								
Fluorene	8270	7.4		<5.0	U								
Hexachlorobenzene	8270	<5.0	U	<5.0	U								
Hexachlorobutadiene	8270	<5.0	U	<5.0	U								
Hexachlorocyclopentadiene	8270	<10	U	<10	U								
Hexachloroethane	8270	<5.0	U	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U								
Isophorone	8270	<5.0	U	<5.0	U								
Naphthalene	8270	220	D	59									
Nitrobenzene	8270	<5.0	U	<5.0	U								
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U								
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U								
Phenanthrene	8270	21		8.2									
Phenol	8270	390	D	14									
Pyrene	8270	3.4	J	<5.0	U								
Pyridine	8270	3.5	J	3.0	J								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



Diethylphthalate	8270	<5.0	U	<5.0	U								
Dimethylphthalate	8270	<5.0	U	<5.0	U								
Di-n-butylphthalate	8270	<5.0	U	<5.0	U								
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U								
Fluoranthene	8270	<5.0	U	3.2	J								
Fluorene	8270	<5.0	U	<5.0	U								
Hexachlorobenzene	8270	<5.0	U	<5.0	U								
Hexachlorobutadiene	8270	<5.0	U	<5.0	U								
Hexachlorocyclopentadiene	8270	<10	U	<10	U								
Hexachloroethane	8270	<5.0	U	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U								
Isophorone	8270	<5.0	U	<5.0	U								
Naphthalene	8270	47		13									
Nitrobenzene	8270	<5.0	U	<5.0	U								
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U								
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U								
Phenanthrene	8270	6.1		8.6									
Phenol	8270	18		3.6	J								
Pyrene	8270	<5.0	U	2.6	J								
Pyridine	8270	3.4	J	<5.0	U								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





Diethylphthalate	8270	<5.0	U	<5.0	U								
Dimethylphthalate	8270	<5.0	U	<5.0	U								
Di-n-butylphthalate	8270	<5.0	U	<5.0	U								
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U								
Fluoranthene	8270	<5.0	U	<5.0	U								
Fluorene	8270	<5.0	U	<5.0	U								
Hexachlorobenzene	8270	<5.0	U	<5.0	U								
Hexachlorobutadiene	8270	<5.0	U	<5.0	U								
Hexachlorocyclopentadiene	8270	<10	U	<10	U								
Hexachloroethane	8270	<5.0	U	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U								
Isophorone	8270	<5.0	U	<5.0	U								
Naphthalene	8270	12		15									
Nitrobenzene	8270	<5.0	U	<5.0	U								
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U								
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U								
Phenanthrene	8270	<5.0	U	<5.0	U								
Phenol	8270	<5.0	U	3.7	J								
Pyrene	8270	<5.0	U	<5.0	U								
Pyridine	8270	<5.0	U	<5.0	U								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



Diethylphthalate	8270	<5.0	U	<5.0	U								
Dimethylphthalate	8270	<5.0	U	<5.0	U								
Di-n-butylphthalate	8270	<5.0	U	<5.0	U								
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U								
Fluoranthene	8270	<5.0	U	<5.0	U								
Fluorene	8270	<5.0	U	<5.0	U								
Hexachlorobenzene	8270	<5.0	U	<5.0	U								
Hexachlorobutadiene	8270	<5.0	U	<5.0	U								
Hexachlorocyclopentadiene	8270	<10	U	<10	U								
Hexachloroethane	8270	<5.0	U	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U								
Isophorone	8270	<5.0	U	<5.0	U								
Naphthalene	8270	<5.0	U	<5.0	U								
Nitrobenzene	8270	<5.0	U	<5.0	U								
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U								
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U								
Phenanthrene	8270	<5.0	U	<5.0	U								
Phenol	8270	<5.0	U	<5.0	U								
Pyrene	8270	<5.0	U	<5.0	U								
Pyridine	8270	<5.0	U	<5.0	U								

**Table Notes:**

ND - Not Detected

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Diethylphthalate	8270	<5.3	U, D	<5.0	U								
Dimethylphthalate	8270	<5.3	U, D	<5.0	U								
Di-n-butylphthalate	8270	<5.3	U, D	<5.0	U								
Di-n-octylphthalate	8270	<5.3	V6, U, D	<5.0	U								
Fluoranthene	8270	<5.3	U, D	<5.0	U								
Fluorene	8270	<5.3	U, D	<5.0	U								
Hexachlorobenzene	8270	<5.3	U, D	<5.0	U								
Hexachlorobutadiene	8270	<5.3	U, D	<5.0	U								
Hexachlorocyclopentadiene	8270	<11	U, D	<10	U								
Hexachloroethane	8270	<5.3	U, D	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.3	U, D	<5.0	U								
Isophorone	8270	<5.3	U, D	<5.0	U								
Naphthalene	8270	21	D	17									
Nitrobenzene	8270	<5.3	U, D	<5.0	U								
N-Nitrosodimethylamine	8270	<5.3	U, D	<5.0	U								
Pentachloroethane	8270	<5.3	U, D	<5.0	U								
Pentachlorophenol	8270	<11	U, D	<10	U								
Phenanthrene	8270	<5.3	U, D	<5.0	U								
Phenol	8270	13	D	3.6	J								
Pyrene	8270	<5.3	U, D	<5.0	U								
Pyridine	8270	<5.3	U, D	4.0	J								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



Diethylphthalate	8270	<5.3	U, D	<5.0	U								
Dimethylphthalate	8270	<5.3	U, D	<5.0	U								
Di-n-butylphthalate	8270	<5.3	U, D	<5.0	U								
Di-n-octylphthalate	8270	<5.3	V6, U, D	<5.0	U								
Fluoranthene	8270	<5.3	U, D	<5.0	U								
Fluorene	8270	<5.3	U, D	<5.0	U								
Hexachlorobenzene	8270	<5.3	U, D	<5.0	U								
Hexachlorobutadiene	8270	<5.3	U, D	<5.0	U								
Hexachlorocyclopentadiene	8270	<11	U, D	<10	U								
Hexachloroethane	8270	<5.3	U, D	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.3	U, D	<5.0	U								
Isophorone	8270	<5.3	U, D	<5.0	U								
Naphthalene	8270	<5.3	U, D	<5.0	U								
Nitrobenzene	8270	<5.3	U, D	<5.0	U								
N-Nitrosodimethylamine	8270	<5.3	U, D	<5.0	U								
Pentachloroethane	8270	<5.3	U, D	<5.0	U								
Pentachlorophenol	8270	<11	U, D	<10	U								
Phenanthrene	8270	<5.3	U, D	<5.0	U								
Phenol	8270	<5.3	U, D	<5.0	U								
Pyrene	8270	<5.3	U, D	<5.0	U								
Pyridine	8270	<5.3	U, D	<5.0	U								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Semi Volatile Organic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well CP15 - PZM020											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/11/2011		8/10/2011		3/18/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
1,2-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
1,3-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
1,4-Dichlorobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2,4,5-Trichlorophenol	8270	<5.0	U	<5.0	U	<2.6		<2.8					
2,4,6-Trichlorophenol	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2,4-Dichlorophenol	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2,4-Dimethylphenol	8270	33		18		15.0		<1.1					
2,4-Dinitrophenol	8270	<10	U	<10	U	<2.6		<2.8					
2,4-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2,6-Dinitrotoluene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2-Chloronaphthalene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2-Chlorophenol	8270	<5.0	U	<5.0	U	<1.0		<1.1					
2-Methylnaphthalene	8270	13		6.9		10.5		4.8					
2-Methylphenol	8270	22		12		14.1		12.4					
2-Nitrophenol	8270	<5.0	U	<5.0	U	<1.0		<1.1					
3,3'-Dichlorobenzidine	8270	<5.0	U	<5.0	U	<1.0		<1.1					
4,6-Dinitro-2-methylphenol	8270	<5.0	U	<5.0	U	<2.6		<2.8					
4-Bromophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.0		<1.1					
4-Chloro-3-methylphenol	8270	<5.0	U	<5.0	U	<1.0		<1.1					
4-Chlorophenyl-phenylether	8270	<5.0	U	<5.0	U	<1.0		<1.1					
4-Methylphenol, 3-Methylphenol	8270	61		34		34.1		36.3					
4-Nitrophenol	8270	<10	U	<10	U	<1.0		<1.1					
Acenaphthene	8270	6.1		3.1	J	4.1		2.6					
Acenaphthylene	8270	6.0		<5.0	U	4.2		2.5					
Aniline	8270	<5.0	U	<5.0	U			<2.8					
Anthracene	8270	<5.0	U	<5.0	U	1.1		1.3					
Benz(a)anthracene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Benzo[a]pyrene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Benzo[b]fluoranthene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Benzo[g,h,i]perylene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Benzo[k]fluoranthene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Bis(2-Chloroethoxy)methane	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Bis(2-Chloroethyl)ether	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Bis(2-chloroisopropyl)ether	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Bis(2-Ethylhexyl)phthalate	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Butylbenzylphthalate	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Chrysene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Dibenz[a,h]anthracene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Dibenzofuran	8270	3.6	J	<5.0	U	2.8		1.6					

Diethylphthalate	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Dimethylphthalate	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Di-n-butylphthalate	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U	<1.0		<1.1					
Fluoranthene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Fluorene	8270	4.5	J	<5.0	U	3.7		2.0					
Hexachlorobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Hexachlorobutadiene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Hexachlorocyclopentadiene	8270	<10	U	<10	U	<1.0		<1.1					
Hexachloroethane	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Isophorone	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Naphthalene	8270	180	D	90	D	117		77.6					
Nitrobenzene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U	<2.6		<2.8					
Phenanthrene	8270	9.2		5.4		7.4		6.8					
Phenol	8270	110	D	46		30.4		33.9					
Pyrene	8270	<5.0	U	<5.0	U	<1.0		<1.1					
Pyridine	8270	<5.0	U	<5.0	U			4.1					

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix





Diethylphthalate	8270	<5.0	U	<5.0	U								
Dimethylphthalate	8270	<5.0	U	<5.0	U								
Di-n-butylphthalate	8270	<5.0	U	<5.0	U								
Di-n-octylphthalate	8270	<5.0	V6, U	<5.0	U								
Fluoranthene	8270	<5.0	U	<5.0	U								
Fluorene	8270	<5.0	U	<5.0	U								
Hexachlorobenzene	8270	<5.0	U	<5.0	U								
Hexachlorobutadiene	8270	<5.0	U	<5.0	U								
Hexachlorocyclopentadiene	8270	<10	U	<10	U								
Hexachloroethane	8270	<5.0	U	<5.0	U								
Indeno[1,2,3-cd]pyrene	8270	<5.0	U	<5.0	U								
Isophorone	8270	<5.0	U	<5.0	U								
Naphthalene	8270	<5.0	U	<5.0	U								
Nitrobenzene	8270	<5.0	U	<5.0	U								
N-Nitrosodimethylamine	8270	<5.0	U	<5.0	U								
Pentachloroethane	8270	<5.0	U	<5.0	U								
Pentachlorophenol	8270	<10	U	<10	U								
Phenanthrene	8270	<5.0	U	<5.0	U								
Phenol	8270	<5.0	U	<5.0	U								
Pyrene	8270	<5.0	U	<5.0	U								
Pyridine	8270	<5.0	U	<5.0	U								

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Coke Point Landfill**  
**Semi Volatile Organic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well CP16 - PZM035											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		4/19/2011		8/12/2011		3/19/2013		9/24/2013					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
1,2-Dichlorobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
1,3-Dichlorobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
1,4-Dichlorobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2,4,5-Trichlorophenol	8270	<5.3	U, D	<5.0	U	<1.1		<2.8					
2,4,6-Trichlorophenol	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2,4-Dichlorophenol	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2,4-Dimethylphenol	8270	9.1	D	8.4		6.1		<1.1					
2,4-Dinitrophenol	8270	<11	U, D	<10	U	<2.7		<2.8					
2,4-Dinitrotoluene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2,6-Dinitrotoluene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2-Chloronaphthalene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2-Chlorophenol	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
2-Methylnaphthalene	8270	<5.3	U, D	<5.0	U	<1.1		1.2					
2-Methylphenol	8270	7.1	D	5.2		3.4		3.4					
2-Nitrophenol	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
3,3'-Dichlorobenzidine	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
4,6-Dinitro-2-methylphenol	8270	<5.3	U, D	<5.0	U	<2.7		<2.8					
4-Bromophenyl-phenylether	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
4-Chloro-3-methylphenol	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
4-Chlorophenyl-phenylether	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
4-Methylphenol, 3-Methylphenol	8270	13	D	9.5		7.3		7.2					
4-Nitrophenol	8270	<11	U, D	<10	U	<1.1		<1.1					
Acenaphthene	8270	5.3	D	4.7	J	3.2		4.0					
Acenaphthylene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Aniline	8270	3.7	J, D	<5.0	U	<1.1		<2.8					
Anthracene	8270	<5.3	U, D	<5.0	U	<1.1		1.8					
Benz(a)anthracene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Benzo[a]pyrene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Benzo[b]fluoranthene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Benzo[g,h,i]perylene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Benzo[k]fluoranthene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Bis(2-Chloroethoxy)methane	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Bis(2-Chloroethyl)ether	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Bis(2-chloroisopropyl)ether	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Bis(2-Ethylhexyl)phthalate	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Butylbenzylphthalate	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Chrysene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Dibenz[a,h]anthracene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1					
Dibenzofuran	8270	<5.3	U, D	<5.0	U	<1.1		1.4					

Diethylphthalate	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Dimethylphthalate	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Di-n-butylphthalate	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Di-n-octylphthalate	8270	<5.3	V6, U, D	<5.0	U	<1.1		<1.1				
Fluoranthene	8270	<5.3	U, D	<5.0	U	<1.1		1.7				
Fluorene	8270	<5.3	U, D	<5.0	U	1.5		2.0				
Hexachlorobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Hexachlorobutadiene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Hexachlorocyclopentadiene	8270	<11	U, D	<10	U	<1.1		<1.1				
Hexachloroethane	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Indeno[1,2,3-cd]pyrene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Isophorone	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Naphthalene	8270	71	D	78	D	49.7		56.9				
Nitrobenzene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
N-Nitrosodimethylamine	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Pentachloroethane	8270	<5.3	U, D	<5.0	U	<1.1						
Pentachlorophenol	8270	<11	U, D	<10	U	<2.7		<2.8				
Phenanthrene	8270	6.7	D	5.8		4		7.2				
Phenol	8270	85	D	57		40.6		46.0				
Pyrene	8270	<5.3	U, D	<5.0	U	<1.1		<1.1				
Pyridine	8270	5.1	J, D	5.2				4.6				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

## **APPENDIX D**



**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-02 (-29)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	0.58	J	0.38	J	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-02 (-5)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,1-Dichloroethane	8260	12		11		25		22		23		11.1			
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R4, U	<1.0	U		
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U		
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Acetone	8260	<5.0	U	<5.0	U	13		<5.0	U	<25	U	5.2			
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0			
Benzene	8260	2.0		<1.0	U	11		6.4		6.6		9.9			
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, U	<1.0	U		
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	L3, U	<1.0	U		
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, U	<1.0	U		
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	0.47	J	<1.0	U		
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
cis-1,2-Dichloroethylene (DCE)	8260	1.9		2.0		8.3		4.1		4.9		3.2			
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, U	<1.0	U		
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U		
Ethylbenzene	8260	<1.0	U	<1.0	U	0.89	J	<1.0	U	<1.0	U	<1.0	U		
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U		
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U		
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U		
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U		
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	3.1	J	<5.0	U	<5.0	R4, U	<5.0	U		
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U		
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	0.41	J	0.77	J	1.0		<1.0	U		
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Toluene	8260	<1.0	U	<1.0	U	1.0		<1.0	U	<1.0	U	<1.0	U		
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	9.0		0.49	J	<1.0	U		
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	0.21	J	<1.0	U		
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U		
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, U	<1.0	U		
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U		
Vinyl chloride	8260	<1.0	V6, U	<1.0	U	2.5		1.0		0.96	J	<1.0	U		

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-03 (-16)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/18/2010		6/3/2010		3/28/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	14	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	70	U	46	U	13	U	24	U	28	U	11.8	U	27.5	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	8.2	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	7.3	U	4.9	U	3.6	U	10.3	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-03 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/17/2010		6/3/2010		3/28/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	2.2		4.3		0.60	J	2.4		0.81	J	1.3		7.7	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	1.7		<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	1.1		<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	5.0		<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-05 (-25)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010		4/4/2011		3/21/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-05 (-7)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010		4/1/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	0.86	J	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-36)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/25/2010		6/3/2010		3/23/2011					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	<1.0	U	2.1		<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	<1.0	U	2.9		<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	L3, U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/25/2010		6/3/2010		3/23/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1-Dichloroethane	8260	1.6		1.8		<5.0	E3, U, D	<200	U, D	<50	U, D	1.7		1.3	
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<250	U, D	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<25	E3, U, D	<1000	U, D	<1200	U, D	13.1		8.6	
Acrylonitrile	8260	<5.0	U	<5.0	U	<25	E3, U, D	<1000	U, D	<250	U, D	<2.0		<2.0	
Benzene	8260	160		140		220	E3, D	160	J, D	190	D	168		117	
Bromochloromethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<250	R2, U, D	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<100	U, D	<1.0		<1.0	
Ethylbenzene	8260	4.6		3.6		5.8	E3, D	<200	U, D	<50	U, D	7.8		3.6	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<25	E3, U, D	<1000	U, D	<250	U, D	6.5		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	9.3		<5.0	U	<25	E3, U, D	<1000	U, D	<250	U, D	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<25	E3, U, D	<1000	U, D	<250	U, D	5.6		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<400	U, D	<250	U, D	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	3.7		<1.0	
Toluene	8260	280	D			930	E3, D	390	D	600	D	386		248	
Total Xylenes	8260	91		67		138	E3, U, D	360	J, D	150	D	152		62	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<5.0	E3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-09 (-2)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009	Qualifier	10/26/2009	Qualifier	3/29/2010	Qualifier	6/9/2010	Qualifier	3/23/2011	Qualifier	3/21/2013	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	110		440		19		82		140		121		44.2	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	1.2		1.1		<1.0	U	0.90	J	0.88	J	1.2		<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	1.8		<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	6.4		<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	17		68		3.2	J	8.3		20		19		7.2	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	5.9		<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	2.7		2.8		<1.0	U	2.7		1.6		3.1		2.4	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	5.8		0.69	J	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-09 (-20)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009	Qualifier	10/26/2009	Qualifier	3/29/2010	Qualifier	6/9/2010	Qualifier	3/23/2011	Qualifier	3/21/2013	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M3, U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	M3, U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	M3, U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-10 (-31)													
		Sampling Date 7/8/2009		Sampling Date 10/12/2009		Sampling Date 3/23/2010		Sampling Date 6/4/2010		Sampling Date 3/22/2011		Sampling Date 3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M3, U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	M3, U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	7.5	U	4.5	U	1.6	U	0.50	J	0.81	J	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	M3, U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	2.0	J	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-10 (-1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/12/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M3, U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	M3, U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, V6, U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		2.6	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	M3, U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-11 (-33)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/26/2009		3/25/2010		6/7/2010		3/23/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	5.6	U	16	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	120	D	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	1.8	J	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-11 (-1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/22/2009		3/29/2010		6/9/2010		3/23/2011		3/20/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	36		<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-17)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010		3/21/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-3)													
		Sampling Date 7/9/2009		Sampling Date 10/13/2009		Sampling Date 3/25/2010		Sampling Date 6/16/2010		Sampling Date 3/21/2011		Sampling Date 3/20/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (-26)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/17/2010		3/22/2011		3/20/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<1.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (+1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010		3/22/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-14 (-33)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/12/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M3, U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	M3, U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	5.7		1.8		0.73	J	<1.0	U	2.7		7.2		133	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	M3, U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	1.1	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	1.6	J	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-14 (+1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M3, U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	M3, U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, V6, U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	M3, U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	V1, U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V1, U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M10, U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-15 (-36)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010		4/4/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	0.64	J	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	17		<5.0	U	19		15		<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	7.8		<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	3.2	J	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-15 (-6)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010		4/4/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	16	J	9	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Allyl Chloride (3-Chloropropylene)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0	U	<5.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<1.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<3.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<1.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-16 (-32)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/16/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	68	S3	38	E4	<25	U	<5.0	U	9.7	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	S3, U	<5.0	E4, U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	0.47	S3, J	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	4.8	U	7.1	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	6.2	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, S3, U	<1.0	E4, U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	11	S3	2.9	E4, J	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	S3, U	<2.0	E4, U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	0.39	J	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<1.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	V6, U	<1.0	U	<1.0	S3, U	<1.0	E4, U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-16 (-6)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/16/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	0.50	J	<1.0	U	<1.0	U
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0	U	<1.0	U
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0	U	<5.0	U
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0	U	<2.0	U
Benzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0	U	<1.0	U
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	6.9	U	<1.0	U	<1.0	U
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0	U	<1.0	U
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0	U	<1.0	U
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0	U	<1.0	U
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<3.0	U	<1.0	U	<3.0	U
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0	U	<1.0	U
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Vinyl chloride	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-31)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/22/2009		3/19/2010		6/7/2010		3/31/2011		3/21/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	5.8		<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	20		<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	7100	D	5.6		3.1		75		33		48.6		28.7	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	R2, U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	1.8		<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	1.7		<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	53		<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	5.1		<1.0	U	<1.0	U	1.9		<1.0	U	<1.0		<1.0	
Total Xylenes	8260	5.6		4.4		<3.0	U	15		16		20.5		6.5	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/22/2009		3/19/2010		6/7/2010		3/31/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	7.6		6.0	D	<200	U, D	<50	U, D	<1.0		7.9	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Acetone	8260	<5.0	U	9.9		23	J, D	<1000	U, D	<1200	U, D	9		10.7	
Acrylonitrile	8260	<5.0	U	<5.0	U	<25	U, D	<1000	U, D	<250	U, D	<2.0		<2.0	
Benzene	8260	18		7100	D	6100	D	8000	D	7400	D	8280		10100	
Bromochloromethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<250	R2, U, D	<1.0		<1.0	
Carbon disulfide	8260	2.6		<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroform	8260	1.1		<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	1.4		<5.0	U, D	<200	U, D	<50	U, D	1.2		1.3	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<100	U, D	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	1.4		<5.0	U, D	<200	U, D	<50	U, D	2.1		2.2	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<5.0	L3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<25	U, D	<1000	U, D	<250	U, D	<5.0		17.7	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<25	U, D	<1000	U, D	<250	U, D	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	62		57	D	<1000	U, D	<250	U, D	42.8		54.6	
Methylene Chloride	8260	<1.0	U	<1.0	U	<5.0	U, D	<400	U, D	<250	U, D	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Toluene	8260	<1.0	U	5.2		6.1	D	<200	U, D	<50	U, D	6		7.7	
Total Xylenes	8260	11		4.6		<15	U, D	<600	U, D	<150	U, D	9.8		7.5	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	1.7		<5.0	U, D	<200	U, D	<50	U, D	<1.0		1.1	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-33)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/1/2009		3/18/2010		6/7/2010		3/28/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	V6, U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	L1, U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	14		<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	12		<1.0	U	<1.0	U	13		0.62	J	<1.0		7.8	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	2.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, V1, U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	V6, U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V6, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	3.0		<1.0	U	<1.0		<1.0	
Toluene	8260	4.7		<1.0	U	<1.0	U	4.9		0.30	J	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	5.7		<3.0	U	<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	V6, U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	Z10c, U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/1/2009		3/18/2010		6/7/2010		3/28/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,1-Dichloroethane	8260	34		32	D	28	D	<200	U, D	33	J, D	38.2		30.9	
1,1-Dichloroethylene	8260	<1.0	V6, U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Acetone	8260	<5.0	U	<25	U, D	<25	U, D	<1000	U, D	<1200	U, D	9.3		12.0	
Acrylonitrile	8260	<5.0	U	<25	U, D	<25	U, D	<1000	U, D	<250	U, D	<2.0		<2.0	
Benzene	8260	950	D	910	D	890	D	920	D	1100	D	976		981	
Bromochloromethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromoform	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<250	R2, U, D	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		2.1	
Carbon Tetrachloride	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloroform	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	3.4		<5.0	U, D	3.8	J, D	<200	U, D	<50	U, D	5.0		4.5	
cis-1,3-Dichloropropylene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<100	U, D	<1.0		<1.0	
Ethylbenzene	8260	9.3		7.2	D	8.8	D	<200	U, D	<50	U, D	11.0		9.2	
Hexachlorobutadiene	8260	1.2		<5.0	U, D	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<5.0	U, D	<5.0	L3, U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<25	U, D	<25	U, D	<1000	U, D	<250	U, D	6.3		8.9	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<25	U, D	<25	U, D	<1000	U, D	<250	U, D	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<25	U, D	<25	U, D	<1000	U, D	<250	U, D	9.9		6.8	
Methylene Chloride	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<400	U, D	<250	U, D	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Styrene	8260	7.6		7.7	D	7.0	D	<200	U, D	<50	U, D	9.0		4.0	
Toluene	8260	340	D	360	D	460	D	470	D	510	D	395		461	
Total Xylenes	8260	140		120	D	145	U, D	1100	D	160	D	172		143.9	
trans-1,2-Dichloroethylene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<250	U, D	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	<1.0		<1.0	
Vinyl chloride	8260	6.6		<5.0	U, D	<5.0	U, D	<200	U, D	<50	U, D	8.1		7.3	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-19													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009		10/26/2009		3/1/2010		6/18/2010		4/1/2011		3/21/2013			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	4.5		<1.0	U	NS		7.2		NS		4.8		3.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,1-Dichloroethane	8260	<1.0	U	<1.0	U	NS		0.93	J	NS		<1.0		<1.0	
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	NS		0.52	J	NS		<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	NS		<5.0	U	NS		<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	NS		<5.0	U	NS		<2.0		<2.0	
Benzene	8260	2.2		<1.0	U	NS		40		NS		3.7		23.8	
Bromochloromethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		1.9	
Chloroform	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	NS		1.2		NS		<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	NS		<5.0	U	NS		<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	NS		<5.0	U	NS		<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	NS		<5.0	U	NS		<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	NS		<2.0	U	NS		<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Toluene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	NS		1.9	J	NS		<1.0		<3.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	NS		<1.0	U	NS		<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-20 (-5)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/16/2009		3/17/2010		6/17/2010		4/6/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	M6, U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	3.6		5.6		2.0		6.4		3.1		2.4		1.7	
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U			<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	M10, U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<2.0		<2.0	
Benzene	8260	32		43		24		71		36		23.6		227	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		1.6	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		4.8	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	0.52	J	1.0		0.80	J	<1.0		1.6	
Hexachlorobutadiene	8260	<1.0	U	2.5		<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	L3, U	<1.0	U	<1.0	V1, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	R1, U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	R1, U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0	U	<5.0		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Toluene	8260	1.1		1.2		0.71	J	1.6		1.2		<1.0		41.9	
Total Xylenes	8260	<3.0	U	3.2		<3.0	U	9.1		3.7		2.1		10.4	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		27.6	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R1, U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		1.8	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Volatile Organic Compounds (VOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well TS-01 (-7)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/26/2009		3/15/2010		6/3/2010		3/31/2011		3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,1,1,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,1,1-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,1,2,2-Tetrachloroethylene (PCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,1,2-Trichloroethylene (TCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,1-Dichloroethane	8260	1.4		<1.0	U	0.99	J	1.0	E4	2.9		3.1		2.6	
1,1-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,2,3-Trichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	R2, U	<1.0		<1.0	
1,2-Dibromo-3-chloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
1,2-Dibromoethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,2-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
1,2-Dichloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,2-Dichloropropane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
1,4-Dichlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Acetone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	E4, U	<25	U	<5.0		<5.0	
Acrylonitrile	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	E4, U	<5.0	U	<2.0		<2.0	
Benzene	8260	5.9		5.4		3.9		2.6	E4	18		16.0		13.9	
Bromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Bromodichloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Bromoform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Bromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<5.0	R2, U	<1.0		<1.0	
Carbon disulfide	8260	<1.0	U	<1.0	U	0.79	J	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Carbon Tetrachloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Chlorobenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Chloroethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Chloroform	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Chloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
cis-1,2-Dichloroethylene (DCE)	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	0.93	J	<1.0		<1.0	
cis-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Dibromochloromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Dibromomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<2.0	U	<1.0		<1.0	
Ethylbenzene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Hexachlorobutadiene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Iodomethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	V1, U	<1.0		<1.0	
Methyl Butyl Ketone (2-Hexanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	E4, U	<5.0	U	<5.0		<5.0	
Methyl Ethyl Ketone (2-Butanone)	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	E4, U	<5.0	U	<5.0		<5.0	
Methyl Isobutyl Ketone	8260	<5.0	U	<5.0	U	<5.0	U	<5.0	E4, U	<5.0	U	5.3		<5.0	
Methylene Chloride	8260	<1.0	U	<1.0	U	<1.0	U	<2.0	E4, U	<5.0	U	<1.0		<1.0	
Methyl-tert-Butyl Ether	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Styrene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Toluene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	0.44	J	<1.0		<1.0	
Total Xylenes	8260	<3.0	U	<3.0	U	<3.0	U	9.0		0.50	J	<1.0		<1.0	
trans-1,2-Dichloroethylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
trans-1,3-Dichloropropylene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
trans-1,4-Dichloro-2-butene	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<5.0	U	<1.0		<1.0	
Trichlorofluoromethane	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Vinyl acetate	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	
Vinyl chloride	8260	<1.0	U	<1.0	U	<1.0	U	<1.0	E4, U	<1.0	U	<1.0		<1.0	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

## **APPENDIX E**

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-02 (-29)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	<1.0		100		<1.0	U	50		<1.0	U	70		<10.0	
Ammonia (N)	mg/L	2.7		2.8		3.2		3.3		2.9		2.9		4.4	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0074		0.0052		0.0023	J, D	0.0057	D	0.0037		<0.0025	D3	<0.00050	
Barium	mg/L	0.095		0.094		0.090	D	0.094	D	0.12		0.097		0.248	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	0.0048	J, D	0.002	D3	0.0034	
Cadmium	mg/L	<0.00050		<0.00050		0.0032	D	<0.00050	U, D	<0.00050	U	<0.00040	D3	0.00021	
Calcium	mg/L	50		45		50	D	46		46		48		51.3	
Chloride	mg/L	920	D	1300	D	1300	D	1300	D	1500	D	1850		1240	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	<0.0020	U	<0.0025	D3	0.00066	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00072	J	<0.0025	D3	0.00071	
COD, Total	mg/L	19		70		58		37		18		112		97.8	
Conductivity	umhos/cm	4400		5300		4400		4300		4600		5450		4680	
Copper	mg/L	0.0082		<0.0020		0.0064	D	<0.0020	U, D	0.0011		0.0042		0.0015	
Hardness (as CaCO3)	mg/L	480		450		430		450		440		457		460	
Iron	mg/L	140		150		17	D	170	D	9.6	B4	85.1		5.90	
Lead	mg/L	<0.0020		<0.0020		0.0062	D	<0.0020	U, D	0.00040	J	0.00056		0.00043	
Magnesium	mg/L	86		83		75	D	82		79		82.6		89.0	
Manganese	mg/L	5.9		5.8		5.6	D	5.0	D	6.3	D	3.0		6.21	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		0.0027	J, D	0.00069	J, D	0.0026	J	<0.0025	D3	0.0014	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		0.074	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.018	J	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.0050		<0.012	U	0.0070	J	<0.012	U	0.022		<0.010	
pH	pH Units	3.08		5.50		3.15		3.50		3.03		6.1		3.1	
Potassium	mg/L	19	B2	16		14	D	17	B	14	D	15.2		15.1	
Selenium	mg/L	0.024		0.017		0.0096	D	0.0093	D	0.014	J, D	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00063	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.00055	
Sodium	mg/L	670		590		600	D	700	D	680	D	370		688	
Sulfate as SO4	mg/L	140	D	130	D	130	D	95	D	110	D	135		97.6	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0050	U, D	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	2600		1800		2000	D	2200	D	2100	D	2730		2300	
Turbidity	NTU	4.2		130		2.8		130		3.6		87		1.3	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	0.020	J, D	<0.00050	D3	0.00029	
Zinc	mg/L	<0.020		<0.020		0.081	D	<0.020	U, D	0.0053		0.032	D3	0.0469	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-02 (-5)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010		4/1/2011		*		*	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	240		170		160	D	180	D	270	D				
Ammonia (N)	mg/L	3.3		6.7	D	23	D	44	D	0.22					
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00058	J				
Arsenic	mg/L	0.0061		0.0062		0.0061	D	0.0038	J, D	0.0058					
Barium	mg/L	0.044		0.037		0.022	D	0.037	D	0.041					
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U				
Cadmium	mg/L	0.0025		0.0015		0.0016	D	<0.00050	U, D	0.0012					
Calcium	mg/L	120		110		64	D	98	D	92	D				
Chloride	mg/L	14		180	D	120	D	200	D	220	D				
Chromium	mg/L	0.012		0.0060		0.0026	D	<0.0025	U, D	0.0045					
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.0012	J				
COD, Total	mg/L	120	D	150		130		140		190	D				
Conductivity	umhos/cm	1700		2100		1700		1700		1800					
Copper	mg/L	0.014		0.0082		0.0085	D	<0.0020	U, D	0.0061					
Hardness (as CaCO3)	mg/L	550		580		290		440		420					
Iron	mg/L	12		10		4.6	D	1.4	D	7.0	B4				
Lead	mg/L	0.059		0.034		0.028	D	<0.0020	U, D	0.0080					
Magnesium	mg/L	57		73		32	D	48	D	46	D				
Manganese	mg/L	0.67		0.44		0.25	D	0.30	D	0.44					
Mercury	mg/L	<0.00020		<0.00020		0.000047	J	<0.00020	U	<0.00020	U				
Nickel	mg/L	0.025		0.027		0.022	D	0.020	D	0.031					
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		1.9		<0.050					
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.011	J	2.0		<0.050	U				
Nitrogen, Nitrite	mg/L	0.024		0.011		0.0060	J	0.17		0.0074	J				
pH	pH Units	7.22		6.80		6.31		6.30		7.87					
Potassium	mg/L	84	B2	64		61	D	92	D, B	89					
Selenium	mg/L	0.014		0.013		0.0069	D	0.0068	D	0.010					
Silver	mg/L	<0.0020		<0.0020		0.00070	J, D, B	<0.0020	U, D	<0.0010	U				
Sodium	mg/L	140		110		87	D	160	D	160	D				
Sulfate as SO4	mg/L	360	D	260	D	140	D	340	D	280	D				
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	0.00049	J				
Total Dissolved Solids	mg/L	1200		1200		840	D	1100	D	1100	D				
Turbidity	NTU	31		21		19		4.2		53	D				
Vanadium	mg/L	0.013		0.0060		0.0091	D	0.0033	J	0.010					
Zinc	mg/L	0.63		0.40		0.25	D	<0.020	U, D	0.12					

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-03 (-16)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/18/2010		6/3/2010		3/28/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	400		680		400	D	540	D	640	Z10a, D	576		610	
Ammonia (N)	mg/L	7.2	D	9.7	D	12	D	0.18	D	9.5	D	23.9		10.7	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00048	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0080		0.0075		0.0052	D	0.0077	D	0.0056		0.0035		0.0056	
Barium	mg/L	0.075		0.075		0.068	D	0.068	D	0.066		0.073		0.0693	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.001	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	100		100		110	D	110	D	100	D	99.8		113	
Chloride	mg/L	450	D	48		30		460	D	260	D	348		328	
Chromium	mg/L	<0.0025		<0.0025		0.0032	D	<0.0025	U, D	0.0023		<0.0025	D3	0.0011	
Cobalt	mg/L	<0.0050		<0.0050		0.0026	J, D	<0.0050	U, D	0.0026	J	<0.0025	D3	0.0032	
COD, Total	mg/L	180	D	300	D	210	D	200	D	180	D	283		370	
Conductivity	umhos/cm	1500		2200	H1	2100		3400		1800		1940		2170	
Copper	mg/L	0.0030		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.00080	
Hardness (as CaCO3)	mg/L	560		540		530		580		540		521		553	
Iron	mg/L	0.18		0.13		0.36	J, D	0.11	D	0.081	D	<0.25		0.131	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00010	
Magnesium	mg/L	74		69		63	D	72	D	69	D	66.6		67.6	
Manganese	mg/L	0.16		0.18		0.19	D	0.17	D	0.23		0.25		0.295	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		0.0027	J, D	0.0016	J, D	0.0058		<0.0025	D3	0.0012	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		0.19	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			0.23	
Nitrogen, Nitrite	mg/L	0.014		0.016		0.0055	J	<0.012	U	0.0090	J	<0.010		0.034	
pH	pH Units	7.95		8.20		8.21		8.60		8.10		7.9		8.1	
Potassium	mg/L	15	B2	15	B2	14	D	19	D, B	13	D	12.1		15.9	
Selenium	mg/L	0.010		0.0077		0.0051	D	0.0060	D	0.0087		<0.0025	D3	0.0020	
Silver	mg/L	<0.0020		<0.0020		0.0019	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	150		190		190	D	300	D	190	D	178		270	
Sulfate as SO4	mg/L	90	D	180	D	81	D	90	D	84	D	48.3		45.4	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1500		1200		1300	D	1400	D	1200	D	1130		1370	
Turbidity	NTU	160		88		2.7		6.8		11		8.0		116	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	0.0022	J	<0.0050	U	0.0032		0.0042	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	<0.0050	U	0.028		0.0085	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-03 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/17/2010		6/3/2010		3/28/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	240		200		550		300				500		210	
Ammonia (N)	mg/L	<0.10		1.8		2.0		2.4				1.5		1.8	
Antimony	mg/L	<0.0050		<0.0050		<0.0050		<0.0050				<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050		<0.0050				<0.0025	D3	<0.0019	
Barium	mg/L	0.067		0.061		0.061		0.073				0.058		0.0646	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025		<0.0025				<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.0050		<0.00050		<0.00050				<0.00040	D3	<0.000080	
Calcium	mg/L	150		150		180		150				163	M6	153	
Chloride	mg/L	7.5		9.0		15		12				12.2		11.0	
Chromium	mg/L	0.0028		<0.0025		0.0087		<0.0025				<0.0025	D3	0.0010	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050		<0.0050				<0.0025	D3	<0.00050	
COD, Total	mg/L	<10		51		4.0		<10				13.8		12.3	
Conductivity	umhos/cm	1400		1300	H1	1900		3000				1790		1360	
Copper	mg/L	0.016		0.0		0.018		<0.0020				0.0042		0.0020	
Hardness (as CaCO3)	mg/L	390		370		450		390				403		366	
Iron	mg/L	<0.0050		<0.0025		<0.050		0.035				<0.25	D3	0.102	
Lead	mg/L	0.0085		0.0073		0.13		0.016				0.0065		0.0030	
Magnesium	mg/L	<0.010		<0.050		<0.10		<0.10				0.035		0.0995	
Manganese	mg/L	0.0056		<0.0050		<0.0050		0.0022				<0.0025	D3	0.0047	
Mercury	mg/L	<0.00020		<0.00020		0.000031		<0.00020				<0.00020		<0.00020	
Nickel	mg/L	0.0059		<0.0050		0.0043		0.0026				<0.0025	D3	0.0012	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050				<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.55		<0.050						<0.10	
Nitrogen, Nitrite	mg/L	0.094		0.0076		0.71		<0.012				0.093		<0.010	
pH	pH Units	11.6		11.3		12.5		11.9				11.8		11.6	
Potassium	mg/L	14	B2	19.0	B2	8.9		12				11.1		17.3	
Selenium	mg/L	<0.0050		<0.0050		0.0039		<0.0050				<0.0025	D3	0.0020	
Silver	mg/L	<0.0020		<0.0020		0.00055		<0.0020				<0.0025	D3	<0.00050	
Sodium	mg/L	13		10		13		14				11.4		13.0	
Sulfate as SO4	mg/L	91	D	120	D	72		73				126		175	
Thallium	mg/L	<0.0020		<0.0020		<0.0020		<0.0020				<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	490		580		520		650				507		507	
Turbidity	NTU	1.8		1.0		0.36		0.69				0.58		0.96	
Vanadium	mg/L	0.040		0.015		0.020		0.025				0.022		0.0134	
Zinc	mg/L	<0.020		<0.020		<0.020		<0.020				0.035	M6	0.0118	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-05 (-25)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010		4/4/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	20		44		20		39		38		10		12.0	
Ammonia (N)	mg/L	3.2		2.9		3.6		4.2		3.7		3.9		3.8	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0059		<0.0050		0.0027	J, D	0.0077	D	0.0056		0.0094		0.0153	
Barium	mg/L	0.091		0.092		0.076	D	0.12	D	0.080		0.1		0.0957	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.001	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.0004	D3	<0.000080	
Calcium	mg/L	31		27		28	D	28	D	28		34.7		34.1	
Chloride	mg/L	72		1300	D	2400	D	1000	D	1000	D	866		902	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	<0.0020	U	<0.0025	D3	0.0010	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
COD, Total	mg/L	82		130		120		110		110		264		220	
Conductivity	umhos/cm	3100		4400		2900		4700		3200		3820		3890	
Copper	mg/L	0.0049		<0.0020		0.0020	D	<0.0020	U, D	0.00055	J	<0.0025	D3	0.00070	
Hardness (as CaCO3)	mg/L	260		250		240		250		260		324		342	
Iron	mg/L	200		200		200	D	210	D	210	D	244		221	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Magnesium	mg/L	45		45		40	D	45	D	46		58.8		60.9	
Manganese	mg/L	4.5		4.6		4.4	D	5.1	D	4.4	D	5.1		4.62	
Mercury	mg/L	<0.00020		<0.00020		0.000029	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00090	J	<0.0025	D3	<0.00050	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.054		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.054		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.0050		<0.012	U	0.0037	J	<0.012	U	0.026		<0.010	
pH	pH Units	5.99		5.80		6.30		6.10		6.18		6		6.4	
Potassium	mg/L	6.3	B2	1.8		4.6	D	5.4	D, B	6.3		7.1		9.37	
Selenium	mg/L	0.015		0.010		0.0077	D	0.0078	D	0.0014	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00092	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.0025	
Sodium	mg/L	400		380		380	D	420	D	440	D	467		537	
Sulfate as SO4	mg/L	400	D	210	D	310	D	180	D	230	D	457		362	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	810		1700		1500	D	1500	D	2000	D	2250		2370	
Turbidity	NTU	33		130		90		130		570	D	97.5		198	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	0.0054		<0.00050	D3	0.00026	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0034	J	<0.025	D3	0.0101	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill

Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-05 (-7)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010		4/1/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	<1.0		28		40		44		56	D	42		32.0	
Ammonia (N)	mg/L	<0.10		0.61		0.50		0.57		1.1		0.46		0.30	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		0.041		0.0073	D	0.0092	D	0.0042		0.0029		0.0020	
Barium	mg/L	0.025		0.20		0.033	D	0.024	D	0.017		0.02		0.0189	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	0.0012	
Cadmium	mg/L	<0.00050		0.0014		<0.00050	U, D	<0.00050	U, D	0.00040	J	0.00068		0.00061	
Calcium	mg/L	27		38		52	D	44	D	48		40.3		30.4	
Chloride	mg/L	810	D	86		98		99		150	D	131		95.7	
Chromium	mg/L	0.0027		0.14		0.011	D	<0.0025	U, D	<0.0020	U	0.0026		0.0019	
Cobalt	mg/L	0.13		0.21		0.23	D	0.22	D	0.19		0.19		0.154	
COD, Total	mg/L	<10		17		13		26		35		46.4		36.4	
Conductivity	umhos/cm	1100		1500		1200		1800		1400		1530		1180	
Copper	mg/L	0.0051		0.085		0.012	D	<0.0020	U, D	0.0016		<0.0025	D3	0.0027	
Hardness (as CaCO3)	mg/L	260		370		440		400		440		388		298	
Iron	mg/L	31		190		82	D	67	D	93	D	69.8		53.2	
Lead	mg/L	<0.0020		0.061		0.0086	D	<0.0020	U, D	<0.0010	U	0.0014		0.00090	
Magnesium	mg/L	46		68		76	D	71	D	77		68.0		52.1	
Manganese	mg/L	1.1		2.4		1.9	D	1.3	D	2.0	D	1.5		1.16	
Mercury	mg/L	<0.00020		<0.00020		0.000064	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.17		0.29		0.29	D	0.26	D	0.22		0.24		0.198	
Nitrogen, Nitrate	mg/L	0.094		<0.05		0.14		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	0.094		<0.05		0.14		0.016	J	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050	H1	0.057		<0.012	U	0.0025	J	<0.012	U	0.022		<0.010	
pH	pH Units	5.41		5.10		5.47		5.80		5.41		5.5		6.2	
Potassium	mg/L	1.1	B2	3.8		2.0	D	4.1	D, B	1.6		1.3		1.14	
Selenium	mg/L	0.0070		0.0068		0.0046	J, D	0.0027	J, D	0.0011	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.0022	Z10, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	89		88		100	D	110	D	120	D	111		92.5	
Sulfate as SO4	mg/L	130	D	200	D	310	D	570	D	600	D	565		399	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1800		800		1000	D	970	D	1300	D	1050		884	
Turbidity	NTU	34		53		13		19		0.62		25.9		51.9	
Vanadium	mg/L	<0.0050		0.18		0.015	D	<0.0050	U	0.0052		0.0023		0.0015	
Zinc	mg/L	0.16		0.62		0.24	D	0.21	D	0.15		0.21		0.184	

Table Notes:

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-36)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/25/2010		6/3/2010		3/23/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	95		56		<1.0	U	90		72	D	74.2		70.0	
Ammonia (N)	mg/L	<0.10		4.6		4.9		4.8		4.4		4.4		5.1	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00050	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0088		<0.0050		0.0056	D	0.0044	J, D	0.0024		0.0031		0.0023	
Barium	mg/L	0.58		0.58		0.54	D	0.53	D	0.52		0.572		0.516	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.001	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	63		59		63	D	58		56	D	74		70.3	
Chloride	mg/L	2300	D	110	D	1400	D	1300	D	2200	D	1600		1530	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	0.0012	J	<0.0025	D3	0.00052	
Cobalt	mg/L	<0.0050		0.0074		0.0086	D	0.0042	J, D	0.0076		0.0155		0.0113	
COD, Total	mg/L	17		240	D	190	D	200	D	170	D	416		400	
Conductivity	umhos/cm	3200		5200	H1	4400		9400		3800		6100		5410	
Copper	mg/L	0.0059		0.0038		0.0041	D	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.00068	
Hardness (as CaCO3)	mg/L	510		520		540		540		530		749		714	
Iron	mg/L	170		200		200	D	200	D	190	D, B	215		240	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Magnesium	mg/L	85		92		92	D	97	D	95	D	122		116	
Manganese	mg/L	10		8.9		9.6	D	9.4	D	8.5	D	9.04		9.29	
Mercury	mg/L	<0.00020		<0.00020		0.000029	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		0.0051	D	0.0041	J, D	0.012		0.0103		0.0071	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.038	J	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.0058		0.0064	J	<0.012	U	<0.012	U	0.028		<0.010	
pH	pH Units	5.87		7.00		5.96		9.80		6.31		6.2		6.3	
Potassium	mg/L	5.4	B2	4.9	B2	5.0	D	6.0	B	5.2	D	7.36		7.70	
Selenium	mg/L	0.019		0.014		0.013	D	0.0097	D	0.0064		<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.0010	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	480		560		530	D	570	D	590	D	820		690	
Sulfate as SO4	mg/L	210	D	76	D	130	D	140	D	140	D			236	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	2600		2300		2100	D	3800	D	2400	D			3560	
Turbidity	NTU	140		140		110		82		200		171		130	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.0013		0.00069	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0011	J	<0.025	D3	0.0085	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/25/2010		6/3/2010		3/23/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	210		260		140	D	230	D	150	D	162		224	
Ammonia (N)	mg/L	26	D	43	D	26	D	41	D	23	D	42.3		40.5	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00075	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.014		0.014		0.011	D	0.013	D	0.0086		0.0086		0.0127	
Barium	mg/L	0.050		0.046		0.061	D	0.047	D	0.036		0.0376		0.0519	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		0.00087	D	<0.00050	U, D	<0.00050	U	<0.00040	D3	0.000088	
Calcium	mg/L	210		190		180	D	190	D	160	D	161		177	
Chloride	mg/L	560	D	340	D	310	D	460	D	310	D	329		527	
Chromium	mg/L	0.0036		<0.0025		0.021	D	<0.0025	U, D	0.0011	J	<0.0025	D3	0.00052	
Cobalt	mg/L	<0.0050		<0.0050		0.0039	J, D	<0.0050	U, D	0.0011	J	<0.0025	D3	0.0017	
COD, Total	mg/L	190	D	300	D	210	D	210	D	200	D	233		352	
Conductivity	umhos/cm	2500		2900	H1	2000		5300		250		2180		2770	
Copper	mg/L	0.0072		0.0037		0.050	D	<0.0020	U, D	0.00045	J	<0.0025	D3	0.00097	
Hardness (as CaCO3)	mg/L	520		460		460		470		400		427		433	
Iron	mg/L	1.2		0.63		14	D	0.20	D	0.12	B1, D, B	<.25		0.207	
Lead	mg/L	0.0044		0.0025		0.041	D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00028	
Magnesium	mg/L	<0.010		<0.050		1.3	D	<0.10	U, D	0.085	D	0.086		0.131	
Manganese	mg/L	0.039		0.018		0.38	D	<0.0050	U, D	0.00075	J	0.003		0.0026	
Mercury	mg/L	<0.00020		<0.00020		0.00013	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.016		0.014		0.021	D	0.014	D	0.011		0.0092		0.0109	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.017		0.011	J	0.0051	J	<0.012	U	<0.010		<0.010	
pH	pH Units	10.7		6.90		9.87		9.70		11.3		10.5		10.1	
Potassium	mg/L	81	B2	83	B2	70	D	80	D, B	66	D	66.5		88.5	
Selenium	mg/L	0.015		0.011		0.0053	D	0.0090	D	0.0039	J	<0.0025	D3	0.0017	
Silver	mg/L	<0.0020		<0.0020		0.0014	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	310		340		190	D	280	D	180	D	195		354	
Sulfate as SO4	mg/L	360	D	430	D	650	D	350	D	410	D			277	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1700		1600		1200	D	1600	D	1200	D			1760	
Turbidity	NTU	2.7		2.0		7.4		0.97		1.8		4		1.2	
Vanadium	mg/L	0.028		0.024		0.071	D	0.020		0.026		<0.00050		0.0223	
Zinc	mg/L	<0.020		<0.020		0.11	D	<0.020	U, D	<0.0050	U	<0.025		<0.0050	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-09 (-2)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009		10/26/2009		3/29/2010		6/9/2010		3/23/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	240		320		170	D	270	D	230	D	188		338	
Ammonia (N)	mg/L	52	D	110	D	44	D	87	D	54	D	136		98.2	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.0024	J	0.00078		0.00065	
Arsenic	mg/L	0.031		0.029		0.019	D	0.026	D	0.021		0.024		0.0250	
Barium	mg/L	0.082		0.049		0.039	D	0.049	D	0.043		0.046		0.0462	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.00020		<0.00020	
Cadmium	mg/L	0.0012		<0.00050		<0.00050	U, D	<0.00050	U, D	0.00051		0.00035		0.00073	
Calcium	mg/L	340		250		280	D	280	D	280	D	259	M6	231	
Chloride	mg/L	370	D	520	D	330	D	400	D	290	D	2291		446	
Chromium	mg/L	0.037		0.0063		0.0060	D	0.0046	D	0.011		0.0085		0.0075	
Cobalt	mg/L	0.0068		<0.0050		0.0010	J, D	<0.0050	U, D	0.0024	J	0.002		0.0020	
COD, Total	mg/L	140		280	D	270		260	D	160	D	227		361	
Conductivity	umhos/cm	2400		3400		2400		4900		2100		253		2750	
Copper	mg/L	0.068		0.0095		0.016	D	0.012	D	0.019		0.034		0.0140	
Hardness (as CaCO3)	mg/L	850		610		710		690		690		606		560	
Iron	mg/L	19		2.6		4.6	D	4.7	D	6.1	D, B	4.5	M6	4.20	
Lead	mg/L	0.042		0.0042		0.010	D	0.0069	D	0.011		0.0099		0.0081	
Magnesium	mg/L	0.70		<0.010		<1.0	U, D	<0.10	U, D	0.60	D	0.5		0.619	
Manganese	mg/L	0.54		0.063		0.12	D	0.11	D	0.15		0.12		0.127	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.036		0.017		0.013	D	0.016	D	0.017		0.012		0.0104	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	0.014		NA		0.016		0.010	J	<0.012	U	0.01		<0.010	
pH	pH Units	9.83		10.4		9.67		10.3		10.6		9.9		9.7	
Potassium	mg/L	81	B2	74		76	D	76	D, B	74	D	72.5	M6	84.0	
Selenium	mg/L	0.016		0.012		0.0057	D	0.0060	D	0.0059		0.0016	M6	0.0021	
Silver	mg/L	<0.0020		<0.0020		0.00078	J, D, B	<0.0020	U, D	<0.0010	U	0.0019	M6	<0.00050	
Sodium	mg/L	250		270		190	D	240	D	180	D	206	M6	243	
Sulfate as SO4	mg/L	230	D	280	D	1000	D	780	D	740	D	723		586	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	0.00025	J	<0.00010		<0.00010	
Total Dissolved Solids	mg/L	2000		2300		1600	D	2000	D	1700	D	1600		1870	
Turbidity	NTU	24		24		26		22		38		12.6		5.9	
Vanadium	mg/L	0.053		0.015		0.012	D	0.016		0.019		0.017		0.0174	
Zinc	mg/L	0.17		<0.020		0.051	D	0.029	D	0.055		0.061		0.0421	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill

Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-09 (-20)													
		Sampling Date 7/13/2009		Sampling Date 10/26/2009		Sampling Date 3/29/2010		Sampling Date 6/9/2010		Sampling Date 3/23/2011		Sampling Date 3/21/2013		Sampling Date 9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	360		320		420	D	380	D	370	D	330		326	
Ammonia (N)	mg/L	2.5		2.4		2.0		2.9		2.1		1.9		2.0	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.0011	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.017		0.015		0.0040	J, D	0.014	D	0.0076		0.0037		0.0072	
Barium	mg/L	0.24		0.23		0.12	D	0.22	D	0.21		0.18		0.215	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	44		42		47	D	39	D	38	D	39.2		39.9	
Chloride	mg/L	600	D	260	D	520	D	520	D	670	D	494		488	
Chromium	mg/L	<0.0025		0.0026		<0.0025	U, D	<0.0025	U, D	<0.0020	U	<0.0025	D3	0.00080	
Cobalt	mg/L	0.0079		0.0087		0.00095	J, D	0.0058	D	0.0077		0.0051		0.0071	
COD, Total	mg/L	<10		64		270		46		34		61.7		54.0	
Conductivity	umhos/cm	2400		2700		2500		4300		2400		2610		2400	
Copper	mg/L	0.0050		0.0024		<0.0020	U, D	<0.0020	U, D	<0.0010	U	0.0049		0.0033	
Hardness (as CaCO3)	mg/L	480		470		450		440		440		431		443	
Iron	mg/L	78		81		14	D	80	D	72	D, B	50.6		77.5	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00038	
Magnesium	mg/L	90		88		82	D	82	D	84	D	80.1		76.4	
Manganese	mg/L	3.8		3.6		3.7	D	3.0	D			3.3		3.47	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		0.00083	J, D	0.0019	J, D	0.0077		<0.0025	D3	0.0018	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.062		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.019		0.0020	J	<0.012	U	0.021		0.17	
pH	pH Units	6.30		5.90		6.24		5.90		6.78		6.2		6.8	
Potassium	mg/L	14	B2	11		12	D	11	D, B	11	D	12		11.4	
Selenium	mg/L	0.026		0.016		0.010	D	0.0084	D	0.0098		<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00066	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	340		310		310	D	310	D	290	D	330		302	
Sulfate as SO4	mg/L	140	D	120	D	170	D	120	D	100	D	77.5		120	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1600		1500		1000	D	1500	D	1200	D	1330		1460	
Turbidity	NTU	140		61		38		33		130		72.8		78.9	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	<0.00050	D3	0.00059	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0035	J	0.031		0.0111	

Table Notes:

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-10 (-31)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/12/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	60		42		70		60		56	D	59.2		50.0	
Ammonia (N)	mg/L	4.4		4.1		5.0		4.8		4.5		5		5.0	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00058	J	<0.00050		<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.00050		<0.00050	
Barium	mg/L	0.081		0.097		0.060	D	0.053	D	0.060		0.0695		0.0814	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.00020		<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.000080		<0.000080	
Calcium	mg/L	6.9		5.9		5.9		8.6	D	7.4		6.3		8.17	
Chloride	mg/L	11		14		12		9.0		12		13.1		18.0	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	0.0012	J	0.00078		0.00056	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.00050		<0.00050	
COD, Total	mg/L	<10		57		11		<10	U	20		33.4		34.3	
Conductivity	umhos/cm	290		NA		200		300		290		257		244	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050		0.00071	
Hardness (as CaCO3)	mg/L	31		27		27		35		32		37.5		38.9	
Iron	mg/L	49		51		47		18	D	45	B	54.8		60.9	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00010		<0.00010	
Magnesium	mg/L	3.3		3.0		3.0		3.2	D	3.4		3.96		4.30	
Manganese	mg/L	0.94		0.82		0.90	D	0.73	D	0.84		1.41		1.53	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.00050		<0.00050	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.12		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.16		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.053	J, D	<0.012	U	<0.012	U	0.028		<0.010	
pH	pH Units	6.41		6.50		7.97		6.70		6.56		6.3		6.7	
Potassium	mg/L	6.7	B2	6.9		1.7		14	D, B	6.5		1.49		1.30	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00070	J	<0.00050		<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00087	J, D, B	<0.0020	U, D	<0.0010	U	<0.00050		<0.00050	
Sodium	mg/L	14		15		10		19	D	11		8.6		9.91	
Sulfate as SO4	mg/L	42	D	30	D	11		17		15				22.5	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	180		160		100	D	170	D	130	D			264	
Turbidity	NTU	180		240		190		76		33		131		192	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.00046		0.00041	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0011	J	<0.005		0.0086	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-10 (-1)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/12/2009		3/23/2010		6/4/2010		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	60		48		60		40	U	15.4		28.0	
Ammonia (N)	mg/L	2.4		2.9		2.9		2.8		2.2		3.5	
Antimony	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	<0.0050		<0.00050	
Arsenic	mg/L	0.018		<0.0050		0.0027		<0.0050	J	0.0026		0.0051	
Barium	mg/L	0.32		0.059		0.053		0.050		0.0472		0.0787	
Beryllium	mg/L	0.0027		<0.0010		<0.0025		<0.0025	U	<0.00020		<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050		<0.00050	U	<0.000080		<0.000080	
Calcium	mg/L	14		11		12		12		8.2	M6	10.6	
Chloride	mg/L	14		15		9.0		9.0		15.8		15.2	
Chromium	mg/L	0.093		<0.0025		0.0025		<0.0025	U	0.0019		0.0073	
Cobalt	mg/L	0.023		<0.0050		<0.0050		<0.0050	U	<0.00050		0.0018	
COD, Total	mg/L	10		44		15		3.9	U	18.2		21.1	
Conductivity	umhos/cm	440		NA		350		520		331		368	
Copper	mg/L	0.050		<0.0020		<0.0020		<0.0020	U	0.00099		0.0050	
Hardness (as CaCO3)	mg/L	88		54		60		58		57.1		51.9	
Iron	mg/L	100		42		52		48	D, B	51.4	M6	59.6	
Lead	mg/L	0.058		<0.0020		<0.0020		<0.0020	U	0.00068		0.0034	
Magnesium	mg/L	13		6.6		6.9		7.0		6.37	M6	5.69	
Manganese	mg/L	1.9		1.00		1.2		1.1	D	0.818		1.08	
Mercury	mg/L	<0.00020		<0.00020		0.000044		<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.049		<0.0050		0.0018		<0.0050	J	0.00081		0.0040	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.10		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.11		<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.0060		<0.012	U	<0.010		<0.010	
pH	pH Units	6.00		4.0		6.01		4.30		6		6.5	
Potassium	mg/L	2.9	B2	0.99		0.93		0.87		0.762	M6	1.14	
Selenium	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	<0.00050		<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00096		<0.0020	U	<0.00050	D3	<0.00050	
Sodium	mg/L	23		20		20		18		19.7	M6	19.1	
Sulfate as SO4	mg/L	120	D	120	D	110		96	D			110	
Thallium	mg/L	0.0024		<0.0020		<0.0020		<0.0020	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	310		260		210		260	D			261	
Turbidity	NTU	67		50		25		8.8		41.8		40.7	
Vanadium	mg/L	0.11		<0.0050		<0.0050		<0.0050	U	0.0019		0.0075	
Zinc	mg/L	0.19		<0.020		0.019		<0.020	J	0.0073		0.0225	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-11 (-33)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/26/2009		3/25/2010		6/7/2010		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	170		130		100		120	D	126		88.0	
Ammonia (N)	mg/L	2.0		2.2		15		2.6		2.1		2.0	
Antimony	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	0.0083		0.00064	
Barium	mg/L	0.088		0.087		0.12		0.10		0.252		0.0721	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025		<0.0025	U	0.0016		<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050		<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	57		80		100		90		79.4		21.0	
Chloride	mg/L	60	D	29		40		62	D	43.1		32.9	
Chromium	mg/L	<0.0025		<0.0025		<0.0025		<0.0025	U	0.0343		0.0020	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	U	0.0054		<0.00050	
COD, Total	mg/L	<10		21		270		<10	U	70.4		<25.0	
Conductivity	umhos/cm	330		1400		300		1700		427		281	
Copper	mg/L	<0.0020		<0.0020		<0.0020		<0.0020	U	0.0291		0.00084	
Hardness (as CaCO3)	mg/L	170		220		370		240		688		86.9	
Iron	mg/L	14		20		47		16	B	378		46.9	
Lead	mg/L	<0.0020		<0.0020		<0.0020		<0.0020	U	0.0148		0.00067	
Magnesium	mg/L	7.2		3.9		28		4.9		104		9.24	
Manganese	mg/L	0.85		0.7		1.8		0.54		9.85		1.51	
Mercury	mg/L	<0.00020		<0.00020		0.000031		<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		0.0089		0.0078		0.0054	J	0.0618		0.0011	
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.050		<0.050		<0.060		<0.10	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050		0.038	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.036		0.0052	J	0.014		0.011	
pH	pH Units	9.21		9.2		9.37		9.40		7.2		6.9	
Potassium	mg/L	1.6	B2	1.8		1.8		1.7		2.49		1.15	
Selenium	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.0012		<0.0020	U	<0.0025	D3	<0.00050	
Sodium	mg/L	16		19		20		20		15.9		14.1	
Sulfate as SO4	mg/L	4.8		3.5		7.8		2.3				<10.0	
Thallium	mg/L	<0.0020		<0.0020		<0.0020		<0.0020	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	240		700		140		250	D			280	
Turbidity	NTU	64		76		20		16		258		147	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050		<0.0050	J	0.0718		0.0033	
Zinc	mg/L	<0.020		<0.020		<0.020		<0.020	U	0.0384		<0.0050	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-11 (-1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/22/2009		3/29/2010		6/9/2010		3/23/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	<1.0		<1.0		2.0		<1.0	U	4.0		4.8		14.0	
Ammonia (N)	mg/L	<0.10		0.17		1.1		0.080	J	0.37		<0.10		<0.10	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00065	J	<0.00050		<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00091	J	0.0012		0.0014	
Barium	mg/L	0.028		0.037		0.019	D	0.023	D	0.022		0.0247		0.0245	
Beryllium	mg/L	0.0044		0.0033		<0.0025	U, D	0.0018	J, D	0.0036		0.0035		0.0037	
Cadmium	mg/L	0.0013		0.0024		0.0016	D	0.00040	J, D	0.0014		0.0016		0.0018	
Calcium	mg/L	12		14		13		13		12		11.8		17.4	
Chloride	mg/L	78		86		88		90		87	D	125		86.0	
Chromium	mg/L	<0.0025		0.0057		0.0024	J, D	<0.0025	U, D	0.0024		0.001		0.00089	
Cobalt	mg/L	0.13		0.13		0.13	D	0.14	D	0.11		0.122		0.134	
COD, Total	mg/L	<10		11		23		<10	U	12		35.6		40.8	
Conductivity	umhos/cm	640		690		830		1300		650		750		652	
Copper	mg/L	0.0039		0.0056		0.0020	D	<0.0020	U, D	0.0018		0.0031		0.0027	
Hardness (as CaCO3)	mg/L	160		160		160		170		150		178		187	
Iron	mg/L	3.1		4.9		2.3		3.7		3.4	B	5.95		8.18	
Lead	mg/L	<0.0020		0.0030		0.00066	J, D	<0.0020	U, D	0.0017		0.0012		0.0017	
Magnesium	mg/L	32		32		31		33		30		32		34.5	
Manganese	mg/L	0.37		0.70		0.35	D	0.32	D	0.31		0.347		0.381	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.21		0.22		0.22	D	0.22	D	0.20		0.214		0.221	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U	<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.013		<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	4.59		4.00		5.24		4.10		4.58		4.7		5.2	
Potassium	mg/L	0.77	B2	1.1		0.54		0.55	Z10, B	0.46		0.476		0.451	
Selenium	mg/L	<0.0050		<0.0050		0.0032	J, D	<0.0050	U, D	0.0022	J	0.0017		0.00053	
Silver	mg/L	<0.0020		<0.0020		0.00087	J, D, B	<0.0020	U, D	<0.0010	U	<0.00050		<0.00050	
Sodium	mg/L	71		67		64		61		60		57		51.0	
Sulfate as SO4	mg/L	180	D	140	D	230	D	170	D	160	D			153	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	560		650		450	D	600	D	370	D			446	
Turbidity	NTU	3.2		22		8.3		4.0		14		2.6		3.4	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.00068		0.00085	
Zinc	mg/L	0.32		0.40		0.33	D	0.35	D	0.35		0.353		0.415	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-17)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010		3/21/2013		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	60		<1.0		<1.0	U	<1.0	U	<1.0	U	37.2		30.0	
Ammonia (N)	mg/L	3.2		3.2		3.7		4.4		3.3		3.6		3.7	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Barium	mg/L	0.033		0.031		0.027	D	0.028	D	0.028		0.029.2		0.0394	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	22		20		21	D	20	D	19		20.7		20.8	
Chloride	mg/L	22		210	D	51		220	D	200	D	230		198	
Chromium	mg/L	<0.0025		<0.0025		0.0019	J, D	<0.0025	U, D	<0.0020	U	<0.0025	D3	0.00061	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00025	J	<0.0025	D3	<0.00050	
COD, Total	mg/L	<10		62		17		25		<10	U	33.4		43.0	
Conductivity	umhos/cm	1200		1800	H1	1200		1100		650		1360		1220	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.0010	
Hardness (as CaCO3)	mg/L	150		140		130		130		140		149		140	
Iron	mg/L	130		130		120	D	130	D	130	D	119		133	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Magnesium	mg/L	23		21		20	D	21	D	22		20.4		19.9	
Manganese	mg/L	3.4		2.9		3.2	D	2.9	D	3.2	D	2.87		3.13	
Mercury	mg/L	<0.00020		<0.00020		0.000041	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.020		<0.0025	D3	<0.00050	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.056		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.0064		0.0068	J	0.0041	J	<0.012	U	<0.010		<0.010	
pH	pH Units	6.08		6.10		6.37		6.20		3.86		6		6.4	
Potassium	mg/L	3.6	B2	3.2	B2	3.3	D	3.2	D, B	3.3		3.37		3.29	
Selenium	mg/L	0.0055		<0.0050		0.0027	J, D	<0.0050	U, D	0.0010	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00081	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	120		110		110	D	110	D	130	D	121		121	
Sulfate as SO4	mg/L	190	D	180	D	250	D	240	D	170	D			231	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	990		500		670	D	850	D	650	D			864	
Turbidity	NTU	45		84		52		70		160	H1	65		62.2	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	<0.00050	D3	0.00043	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0016	J	<0.025	D3	0.0093	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010		3/21/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	<1.0		<1.0		<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Ammonia (N)	mg/L	0.24		0.45		0.21		0.53		0.26		<0.10		0.35	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Barium	mg/L	0.019		0.021		0.013	D	0.017	D	0.015		0.0173		0.0190	
Beryllium	mg/L	0.0052		<0.0050		0.0029	D	0.0021	J, D	0.0064		0.0046		0.0024	
Cadmium	mg/L	0.00086		0.0012		0.00040	J, D	<0.00050	U, D	0.0010		0.00086		0.0011	
Calcium	mg/L	24		25		23	D	22		24		27.1		22.2	
Chloride	mg/L	58		51		62		48		61	D	55.9		41.6	
Chromium	mg/L	<0.0025		0.0029		0.0023	J, D	<0.0025	U, D	0.0014	J	<0.0025	D3	0.00070	
Cobalt	mg/L	0.11		0.086		0.16	D	0.13	D	0.15		0.13		0.0892	
COD, Total	mg/L	<10		47		<10	U	7.5	J	<10	U	18.2		<10.0	
Conductivity	umhos/cm	520		640	H1	720		480		720		764		495	
Copper	mg/L	0.0042		0.0033		0.0024	D	<0.0020	U, D	0.0053		0.0062		0.0017	
Hardness (as CaCO3)	mg/L	150		120		200		150		210		213		121	
Iron	mg/L	7.4		12		3.5	D	8.5		1.1		9.7		9.56	
Lead	mg/L	<0.0020		0.0030		0.00048	J, D	<0.0020	U, D	0.0011		0.0032		0.00074	
Magnesium	mg/L	21		15		35	D	22		36		32		14.2	
Manganese	mg/L	0.52		0.36		0.64	D	0.44	D	0.54		0.612		0.368	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	0.0052		0.00033	
Nickel	mg/L	0.15		0.12		0.26	D	0.17	D	0.26		0.22		0.119	
Nitrogen, Nitrate	mg/L	0.31		<0.05		<0.050	U	<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	0.31		<0.05		<0.050	U	0.042	J	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.013		0.0067	J	<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	4.42		4.50		4.76		4.40		4.31		5.3		5.1	
Potassium	mg/L	2.7	B2	3.2	B2	1.1	D	2.4	B	1.4		1.8		2.91	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00072	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.0018	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	50		42		50	D	45		54	D	51.2		34.6	
Sulfate as SO4	mg/L	210	D	170	D	220	D	310	D	260	D			150	
Thallium	mg/L	0.0023		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	450		270		450	D	430	D	420	D			326	
Turbidity	NTU	2.2		43		4.8		2.4		2.9	H1	21.6		25.7	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.0022		0.00033	
Zinc	mg/L	0.30		0.34		0.27	D	0.31	D	0.34		0.323		0.290	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (-26)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/17/2010		3/22/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	20		<1.0		70		7.5		<1.0	U	<1.0		<1.0	
Ammonia (N)	mg/L	4.6		2.7		6.6	D	3.4		7.4	D	8.9		8.8	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00047	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Barium	mg/L	0.13		0.091		0.071	D	0.070	D	0.062		0.0376		0.0291	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	0.00036	J	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	85		32		67	D	50	D	48	D	86.6		16.4	
Chloride	mg/L	160	D	90	D	87		130	D	140	D	141		112	
Chromium	mg/L	<0.0025		<0.0025		0.0025	D	<0.0025	U, D	0.0014	J	<0.0025	D3	0.00085	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	J	<0.0025	D3	<0.00050	
COD, Total	mg/L	120		290	D	200	D	180	D	160	D	864		1120	
Conductivity	umhos/cm	1300		2900	H1	1800		2200		1700		4300		3520	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	0.0015		<0.0025	D3	<0.00050	
Hardness (as CaCO3)	mg/L	310		230		400		390		410		749		713	
Iron	mg/L	230		390		610	D	640	D	690	D, B	1140		1250	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Magnesium	mg/L	24		36		56	D	65	D	69	D	123		132	
Manganese	mg/L	11		32		60	D	66	D	71	D	128		137	
Mercury	mg/L	<0.00020		<0.00020		0.000045	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.0074		<0.0050		0.00097	J, D	<0.0050	U, D	0.0073		<0.0025	D3	<0.00050	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.0050		0.0064	J	<0.012	U	<0.012	U	0.02		<0.010	
pH	pH Units	6.77		6.20		5.64		6.30		6.37		5.4		6.0	
Potassium	mg/L	26	B2	1.9	B2	2.7	D	2.0	D, B	1.8	D	2.44		2.52	
Selenium	mg/L	<0.0050		<0.0050		0.0021	J, D	0.0021	J, D	0.0017	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00086	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	53		31		62	J, D	33	D	34	D	38.7		7.65	
Sulfate as SO4	mg/L	1400	D	880	D	1600	D	1800	D	1500	D			2270	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	2600		1600		1700	D	2000	D	2600	D			4540	
Turbidity	NTU	180		110		32		48		110		115		84.5	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	<0.00050		0.00059	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0013	J	<0.0250		<0.0050	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (+1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010		3/22/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	170		32		230	D	180	D	250	D	224		208	
Ammonia (N)	mg/L	0.14		0.46		0.16		0.17		0.096	J	<0.10		<0.10	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00072	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.0025	D3	0.0028	
Barium	mg/L	0.040		0.021		0.027	D	0.058	D	0.026		0.029		0.0637	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	110		85		93	D	70		74		69.4		55.3	
Chloride	mg/L	2.5		77		22		29		17		7.3		12.3	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	0.0018	J	<0.0025	D3	<0.00050	
Cobalt	mg/L	0.031		0.18		0.0054	D	0.0033	J, D	0.00067	J	<0.0025	D3	0.0103	
COD, Total	mg/L	<10		86		13		7.8	J	<10	U	11.7		14.5	
Conductivity	umhos/cm	930		2000	H1	830		590		850		609		570	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	0.0015		<0.0025	D3	0.0010	
Hardness (as CaCO3)	mg/L	400		510		290		230		240		231		196	
Iron	mg/L	25		160		2.7	D	0.91		0.12	B1, B	0.544		10.9	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Magnesium	mg/L	30		72		14	D	14		13		11.4		14.2	
Manganese	mg/L	1.5		5.7		0.50	D	0.25	D	0.018		0.13		0.674	
Mercury	mg/L	<0.00020		<0.00020		0.000033	J	0.000039	J	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.035		0.22		0.0075	D	0.0067	D	0.0041	J	<0.0025	D3	0.0089	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.13		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.14		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.0050		0.0088	J	0.0024	J	<0.012	U	<0.010		<0.010	
pH	pH Units	5.93		5.40		6.15		6.20		6.40		6.8		8.1	
Potassium	mg/L	25	B2	34	B2	12	D	18	B	7.6		8.42		14.3	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00051	J	<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00080	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	47		66		65	D	44		83		36.5		43.4	
Sulfate as SO4	mg/L	330	D	850	D	120	D	170	D	200	D			56.8	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	750		1300		540	D	480	D	520	D			383	
Turbidity	NTU	4.2		6.0		5.4		5.4		3.4		4		9.6	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	0.0017	J	0.00066		0.00044	
Zinc	mg/L	0.047		0.30		<0.020	U, D	<0.020	U, D	0.0033	J	<0.025	D3	0.0177	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-14 (-33)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/12/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	50		72		100		48		32		59.6		44.0	
Ammonia (N)	mg/L	4.0		4.7		4.3		4.1		0.12		4.4		4.8	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.0019	J	<0.00050		<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00090	J	0.0013		0.00063	
Barium	mg/L	0.088		0.061		0.059	D	0.086	D	0.073		0.0778		0.0691	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	0.00021	J	0.0011		0.0014	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.000080		<0.000080	
Calcium	mg/L	13		5.1		6.5		17		11		12		8.97	
Chloride	mg/L	50	D	25		15		19		20		18.8		24.4	
Chromium	mg/L	<0.0025		<0.0025		<0.0025	U, D	<0.0025	U, D	0.0011	J	0.001		0.0016	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.00050		<0.00050	
COD, Total	mg/L	<10		66		19		10		24		42.1		64.9	
Conductivity	umhos/cm	210		NA		240		340		290		267		332	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050		0.00075	
Hardness (as CaCO3)	mg/L	48		28		31		58		46		55.3		69.2	
Iron	mg/L	22		52		55		13		53	B	50		118	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.0010		<0.00010	
Magnesium	mg/L	3.7		3.6		3.7		3.9		4.4		4.27		11.4	
Manganese	mg/L	1.8		1.6		2.2	D	1.6	D	2.5	D	2.69		10.5	
Mercury	mg/L	<0.00020		<0.00020		0.000031	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	0.00082		0.00059	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.22		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.23		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.0054	J	<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	6.26		6.50		6.86		6.80		6.59		6.4		6.5	
Potassium	mg/L	2.1	B2	0.94		1.1		1.4	B	1.2		1.1		1.33	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	0.0026		<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00082	J, D, B	<0.0020	U, D	<0.0010	U	<0.00050		<0.00050	
Sodium	mg/L	9.3		8.7		8.3		8.7		8.7		8.48		10.5	
Sulfate as SO4	mg/L	32	D	320	D	35	D	27	D	42	D			65.7	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	160		460		110	D	180	D	220	D			272	
Turbidity	NTU	94		33		80		36		140		112		156	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	0.00061	J	0.001		0.0015	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0032	J	<0.005		0.0323	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-14 (+1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/4/2010		3/22/2011		3/20/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	40		22		30		40		12		13.4		14.0	
Ammonia (N)	mg/L	0.16		1.2		2.0		0.31		0.28		<0.10		0.67	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00084	J	<0.00050		<0.00050	
Arsenic	mg/L	<0.0050		0.0050		<0.0050	U, D	<0.0050	U, D	<0.0020	U	<0.00050		0.0058	
Barium	mg/L	0.022		0.033		0.022	D	0.024	D	0.019		0.0132		0.0641	
Beryllium	mg/L	<0.0025		<0.0050		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0002		0.00035	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00008		<0.000080	
Calcium	mg/L	15		12		13		13		13		10.8		7.90	
Chloride	mg/L	10		9.0		5.0		6.0		8.0		5.6		8.6	
Chromium	mg/L	<0.0025		0.0058		<0.0025	U, D	<0.0025	U, D	0.0019	J	<0.00050		0.0204	
Cobalt	mg/L	<0.0050		0.0052		0.0035	J, D	0.0022	J, D	0.0019	J	0.00092		0.0041	
COD, Total	mg/L	<10		34		8.1	J	<10	U	<10	U	<10		<10.0	
Conductivity	umhos/cm	140		190	H1	160		340		130		131		162	
Copper	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050		0.0113	
Hardness (as CaCO3)	mg/L	46		40		43		44		42		43.4		34.0	
Iron	mg/L	5.2		17		4.2		4.7		3.5	B	1.77		22.4	
Lead	mg/L	<0.0020		0.0028		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00010		0.0135	
Magnesium	mg/L	2.3		2.6		2.5		2.5		2.4		1.96		3.11	
Manganese	mg/L	0.16		0.30		0.22	D	0.17	D	0.14		0.0786		0.418	
Mercury	mg/L	<0.00020		<0.00020		0.000036	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		0.0052		0.0033	J, D	0.0050	D	0.0020	J	0.0012		0.0076	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.0094	J	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.054		0.0058	J	<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	5.28		6.00		5.39		5.50		5.40		6.1		6.5	
Potassium	mg/L	1.3	B2	1.5	B2	0.93		1.1	B	0.80		0.792		1.52	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00054	J	<0.00050		<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00082	J, D, B	<0.0020	U, D	<0.0010	U	<0.00050		<0.00050	
Sodium	mg/L	4.2		5.5		5.5		5.2		4.5		3.67		9.88	
Sulfate as SO4	mg/L	43	D	43	D	42	D	37	D	33	D			43.1	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00011	
Total Dissolved Solids	mg/L	100		230		150	D	220	D	64	D			133	
Turbidity	NTU	4.5		55		6.5		1.6		6.0		6.8		17.7	
Vanadium	mg/L	<0.0050		0.0055		<0.0050	U, D	<0.0050	U	<0.0050	U	0.00014		0.0261	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0054		<0.005		0.0342	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-15 (-36)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010		4/4/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	970		150		1000	D	450	D	840	D	864		330	
Ammonia (N)	mg/L	3.1		3.9		3.9		3.7		0.39		<0.10		2.7	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.0018	J	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		0.019		<0.0050	U, D	0.0043	J, D	0.0061		0.0051		0.0083	
Barium	mg/L	0.27		0.077		1.2	D	0.85	D	0.017		0.021		0.160	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.001	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	0.00076		<0.00040	D3	<0.000080	
Calcium	mg/L	33		79		520	D	500	D	28	D	32.6		84.8	
Chloride	mg/L	12		99		<1.0	U	2200	D	31		31.7		2530	
Chromium	mg/L	0.0026		<0.0025		0.014	D	0.0076	D	0.17		0.088		0.00086	
Cobalt	mg/L	<0.0050		<0.0050		0.0028	J, D	<0.0050	U, D	0.0018	J	<0.0025	D3	0.0030	
COD, Total	mg/L	11		33		23		13		5.3	J	31.2		150	
Conductivity	umhos/cm	6600		14000		7800		8900		2000		2580		8920	
Copper	mg/L	0.0052		<0.0020		0.0068	D	0.0033	D	0.0081		0.0083		0.00072	
Hardness (as CaCO3)	mg/L	1300		1100		1300		1200		1300		1450		1070	
Iron	mg/L	0.18		30		<0.50	U, D	0.53	D	0.044	Z10	<0.25	D3	34.6	
Lead	mg/L	<0.0020		<0.0020		0.00054	J, D	<0.0020	U, D	0.0018		0.0025		<0.00010	
Magnesium	mg/L	300		220		<1.0	U, D	<0.10	U, D	300	D	315		211	
Manganese	mg/L	0.039		0.55		<0.0050	U, D	0.0035	J, D	0.0069		0.005		0.505	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		0.0054		0.019	D	0.018	D	0.0043	J	0.0033		0.0016	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		2.0		4		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	2.1				<0.10	
Nitrogen, Nitrite	mg/L	0.016		NA		0.034		0.045		0.074		0.11		<0.010	
pH	pH Units	12.0		11.2		12.5		11.9		8.61		8.1		7.4	
Potassium	mg/L	78	B2	63		75	D	72	D, B	82		95		35.2	
Selenium	mg/L	0.0070		0.034		0.0078	D	0.0075	D	0.032		0.029		<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00064	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	29		2100		420	D	500	D	31		32.4		1540	
Sulfate as SO4	mg/L	91	D	240	D	140	D	69	D	460	D	29.7		236	
Thallium	mg/L	0.0023		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	2700		6800		2400	D	2000	D	1400	D	1630		4960	
Turbidity	NTU	2.0		78		0.86		2.0		0.20		0.26		96.3	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	0.00054	J	<0.0050	U	0.0024	D3	0.00036	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.047		0.063		0.0150	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-15 (-6)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010		4/4/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	720		22		660	D	910	D	850	D	400		632	
Ammonia (N)	mg/L	0.21		0.16		0.48		0.78		2.1		2		0.52	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0097		0.0050		0.0057	D	0.0078	D	0.0026		<0.0025	D3	0.0062	
Barium	mg/L	1.1		0.072		0.018	D	0.024	D	0.57		0.38		0.0214	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	0.00017	
Calcium	mg/L	250		25		26	D	38	D	480	D	295		43.3	
Chloride	mg/L	2.0		98	D	28		36		1100	D	1380		137	
Chromium	mg/L	0.0066		0.020		0.31	D	0.15	D	0.014		0.012		0.0012	
Cobalt	mg/L	<0.0050		0.12		0.0013	J, D	<0.0050	U, D	0.0025	J	<0.0025	D3	0.00094	
COD, Total	mg/L	<10		13		27		<10	U	<10	U	83.4		78.1	
Conductivity	umhos/cm	2000		1400		2200		3300		6600		5660		2130	
Copper	mg/L	0.015		0.0095		0.010	D	0.0048	D	0.0038		0.0027		0.0022	
Hardness (as CaCO3)	mg/L	910		250		1300		1500		1200		705		1030	
Iron	mg/L	7.7		40		2.5	D	0.15	D	<0.0050	B5, U	<0.25	D3	0.0898	
Lead	mg/L	<0.0020		0.0046		0.022	D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.0020	
Magnesium	mg/L	70		46		290	D	330	D	0.082	J, D	0.16		245	
Manganese	mg/L	0.15		1.1		0.045	D	0.014	D	<0.0010	U	<0.0025	D3	0.0281	
Mercury	mg/L	<0.00020		<0.00020		0.000066	J	0.000028	J	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.011		0.16		0.0041	J, D	0.0043	J, D	0.017		0.0029		0.0043	
Nitrogen, Nitrate	mg/L	0.64		<0.05		1.3		<0.050		<0.050		0.18		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	1.0		<0.05		1.3		0.040	J	0.058				<0.10	
Nitrogen, Nitrite	mg/L	0.41		NA		0.0057	J	0.0043	J	0.095		0.13		<0.010	
pH	pH Units	8.17		7.50		8.11		8.30		12.3		11.8		8.1	
Potassium	mg/L	94	B2	1.4		76	D	98	D, B	67		49.8		108	
Selenium	mg/L	0.024		<0.0050		0.036	D	0.023	D	0.0077		<0.0025	D3	0.0022	
Silver	mg/L	<0.0020		<0.0020		0.0021	Z10, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	910		81		28	D	40	D	470	D	548		90.9	
Sulfate as SO4	mg/L	270	D	250	D	410	D	660	D	48	D	78.4		320	
Thallium	mg/L	0.0024		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00015	
Total Dissolved Solids	mg/L	1500		880		1400	D	1500	D	2800	D	2430		1390	
Turbidity	NTU	0.17		42		12		0.47		0.34		0.61	0.61	2.2	
Vanadium	mg/L	<0.0050		0.023		<0.0050	U, D	0.00090	J	0.0019	J	<0.00050	D3	0.00066	
Zinc	mg/L	<0.020		0.24		0.17	D	0.045	D	0.0016	J	<0.025	D3	0.0434	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-16 (-32)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/16/2009		3/16/2010		6/2/2010		4/1/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	980		140		980	D	110	D	30		126		<10.0	
Ammonia (N)	mg/L	4.4		3.7		5.4	D	4.1		4.0		3.3		3.4	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.014		0.022		0.0033	J, D	0.0042	J, D	0.018		0.0075		0.0019	
Barium	mg/L	0.53		0.074		5.7	D	2.4	D	0.097		0.22		1.67	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.00080	
Calcium	mg/L	160		76		840	D	850	D	95	D	151		810	
Chloride	mg/L	12		99		2300	D	3900	D	3000	D	4690		179	
Chromium	mg/L	0.0032		<0.0025		0.0063	D	0.010	D	0.0015	J	<0.0025	D3	0.0139	
Cobalt	mg/L	<0.0050		<0.0050		0.0028	J, D	<0.0050	U, D	0.0015	J	<0.0025	D3	0.0011	
COD, Total	mg/L	14		60		56		4.5	J	11		181		34.3	
Conductivity	umhos/cm	11000		13000		9600		11000		8800		13600		8370	
Copper	mg/L	0.020		0.018		0.011	D	0.0060	D	0.0020		<0.0025	D3	0.0054	
Hardness (as CaCO3)	mg/L	880		1000		2100		2100		1200		1270		1900	
Iron	mg/L	0.68		36		<0.50	U, D	0.51	D	22	B4	16.2		0.280	
Lead	mg/L	<0.0020		<0.0020		0.029	D	0.0010	J, D	<0.0010	U	<0.00050	D3	0.00078	
Magnesium	mg/L	120		210		<1.0	U, D	<0.10	U, D	240	D	228		0.641	
Manganese	mg/L	0.050		0.55		<0.0050	U, D	0.0072	D	0.51		0.40		0.0056	
Mercury	mg/L	<0.00020		0.00048		0.00061		<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.010		<0.0050		0.036	D	0.034	D	0.0062		0.0047		0.0171	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		0.10	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.011	J	<0.050	U	0.043	J			0.17	
Nitrogen, Nitrite	mg/L	0.0057		NA		<0.012	U	0.0052	J	0.010	J	<0.010		0.065	
pH	pH Units	12.4		8.00		13.1		8.10		11.4		6.5		12.5	
Potassium	mg/L	120	B2	70		100	D	84	D, B	86		63		12.1	
Selenium	mg/L	0.040		0.041		0.0025	J, D	<0.0050	U, D	0.027		<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.00055	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	1600		2000		140	D	70	D	2200	D	2230		74.9	
Sulfate as SO4	mg/L	38	D	370	D	360	D	520	D	290	D	496		37.2	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	3100		5700		3900	D	3500	D	5200	D	7360		2080	
Turbidity	NTU	1.2		40		0.81		92		360	D	2.2		2.6	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	0.00048	J	<0.0050	U	<0.00050	D3	0.00020	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0037	J	<0.025	D3	0.0076	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-16 (-6)													
		Sampling Date 7/7/2009		Sampling Date 10/16/2009		Sampling Date 3/16/2010		Sampling Date 6/2/2010		Sampling Date 4/1/2011		Sampling Date 3/21/2013		Sampling Date 9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	<1.0		<1.0		<1.0	U	<1.0	U	<1.0	U	<1.0		<1.0	
Ammonia (N)	mg/L	<0.10		0.28		0.17		0.64		32	D	<0.10		<0.10	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0064		<0.0050		0.0035	J, D	0.0028	J, D	0.0022		0.0046		0.0016	
Barium	mg/L	0.028		0.019		0.017	D	0.017	D	0.014		0.019		0.0161	
Beryllium	mg/L	0.0053		0.0030		0.00083	J, D	0.0025	D	0.0043		0.0058		0.0037	
Cadmium	mg/L	0.0019		0.0014		0.0020	D	<0.00050	U, D	0.0012		0.0017		0.0013	
Calcium	mg/L	19		17		19	D	18		20		23.9		23.5	
Chloride	mg/L	14		90	D	140	D	120	D	150	D	178		154	
Chromium	mg/L	0.0061		0.0032		<0.0025	U, D	<0.0025	U, D	0.0010	J	0.0027		0.0017	
Cobalt	mg/L	0.27		0.25		0.27	D	0.27	D	0.24		0.27		0.258	
COD, Total	mg/L	27		84		59		32		33		63.8		58.4	
Conductivity	umhos/cm	1200		1600		1300		1200		1300		1550		1390	
Copper	mg/L	0.0061		0.0053		0.020	D	<0.0020	U, D	0.0022		0.02		0.0041	
Hardness (as CaCO3)	mg/L	360		330		340		340		360		388		380	
Iron	mg/L	21		18		19	D	16		16	B4	17.7		15.3	
Lead	mg/L	0.0051		0.0042		0.0080	D	0.00061	J, D	0.0021		0.0048		0.0022	
Magnesium	mg/L	76		69		70	D	72		74		82.8		76.9	
Manganese	mg/L	0.59		0.53		0.57	D	0.50	D	0.57		0.68		0.655	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.38		0.36		0.38	D	0.38	D	0.34		0.4		0.359	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		0.080		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		0.080		<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		<0.012	U	<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	4.23		4.20		4.49		4.50		4.27		4.2		4.3	
Potassium	mg/L	1.4	B2	1.1		1.0	D	0.89	B	0.95		1.1		0.957	
Selenium	mg/L	0.012		0.0054		0.0049	J, D	0.0041	J, D	0.0030	J	0.0068		0.0011	
Silver	mg/L	<0.0020		<0.0020		0.00057	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	120		120		110	D	110	D	120	D	126		119	
Sulfate as SO4	mg/L	410	D	240	D	270	D	420	D	360	D	474		460	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	970		770		930	D	920	D	970	D	1010		997	
Turbidity	NTU	13		9.3		9.7		5.0		0.89		9.5		5.7	
Vanadium	mg/L	0.0058		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.0039		0.0018	
Zinc	mg/L	0.70		0.75		0.76	D	0.64	D	0.62		0.75		0.714	

**Table Notes:**  
Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-31)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/22/2009		3/19/2010		6/7/2010		3/31/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	280		390		390	D	400	D	380	Z10a, D	414		384	
Ammonia (N)	mg/L	50	D	19	D	19	D	17	D	17	D	46.3		16.9	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.018		0.020		0.014	D	0.015	D	0.016		0.0083		0.0107	
Barium	mg/L	0.014		0.11		0.11	D	0.10	D	0.10		0.13		0.108	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	0.0010		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	<0.000080	
Calcium	mg/L	320		99		110	D	95	D	100	D	112		111	
Chloride	mg/L	4.5		33		1700	D	1500	D	2200	D	2500		1840	
Chromium	mg/L	<0.0025		0.0035		0.0053	D	<0.0025	U, D	0.0016	J	<0.0025	D3	0.00057	
Cobalt	mg/L	<0.0050		<0.0050		0.0024	J, D	<0.0050	U, D	0.0024	J	<0.0025	D3	0.0026	
COD, Total	mg/L	270	D	270	D	210	D	130	D	160	D	310		324	
Conductivity	umhos/cm	3300		7900		6700		22000		6600		7530		7150	
Copper	mg/L	0.0049		<0.0020		0.0085	D	0.0039	D	0.0011		<0.0025	D3	0.00082	
Hardness (as CaCO3)	mg/L	810		640		630		550		600		652		653	
Iron	mg/L	0.23		1.7		0.17	J, D	0.76	D	0.080	Z10	1.0		1.30	
Lead	mg/L	0.0025		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	0.0019		0.00022	
Magnesium	mg/L	<0.010		95		85	D	76	D	85	D	87.9		89.2	
Manganese	mg/L	0.0089		0.30		0.22	D	0.16	D	0.17		0.29		0.308	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.043		0.0070		0.0046	J, D	0.0036	J, D	0.0063		0.005		0.0012	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U	<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.0016	J	0.0048	J	<0.012	U	<0.010		<0.010	
pH	pH Units	10.7		7.20		7.40		7.80		8.21		8		7.9	
Potassium	mg/L	220	B2	54		56	D	54	D, B	69		55.4		61.7	
Selenium	mg/L	0.015		0.033		0.016	D	0.012	D	0.024		<0.0025	D3	0.00070	
Silver	mg/L	<0.0020		<0.0020		0.00094	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	280		1200		1100	D	1000	D	1200	D	1130		1390	
Sulfate as SO4	mg/L	1100	D	400	D	410	D	450	D	360	D	304		402	
Thallium	mg/L	0.0023		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	2600		3900		3700	D	4000	D	3600	D	4030		4120	
Turbidity	NTU	8.6		13		14		0.90		1.8		81.5		48.0	
Vanadium	mg/L	0.074		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	0.0021	D3	0.00080	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0042	J	<0.025	D3	0.0141	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-1)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/22/2009		3/19/2010		6/7/2010		3/31/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	340		240		260	D	280	D	310	Z10a	204		300	
Ammonia (N)	mg/L	12	D	0.76		51	D	66	D	62	D	161		76.1	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.016		0.021		0.012	D	0.013	D	0.014		0.016		0.0145	
Barium	mg/L	0.11		0.024		0.0095	D	0.012	D	0.0090		0.01		0.0091	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		0.0025		0.0015	D	0.00068	D	0.0015		<0.00040	D3	0.00032	
Calcium	mg/L	88		340		320	D	320	D	270	D	228		249	
Chloride	mg/L	10		290	D	270	D	260	D	240	D	121		227	
Chromium	mg/L	0.0026		0.016		0.0045	D	<0.0025	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Cobalt	mg/L	<0.0050		<0.0050		0.00051	J, D	<0.0050	U, D	0.00069	J	<0.0025	D3	<0.00050	
COD, Total	mg/L	85		290	D	210	D	230	D	180	D	460		402	
Conductivity	umhos/cm	6000		3700		3100		10000		2900		3010		2840	
Copper	mg/L	0.012		0.017		0.0049	D	<0.0020	U, D	0.0025		0.011		0.0023	
Hardness (as CaCO3)	mg/L	590		840		800		800		680		556		572	
Iron	mg/L	1.9		12		1.0	D	0.28	D	0.024	Z10	0.65		0.162	
Lead	mg/L	<0.0020		0.049		0.0047	D	<0.0020	U, D	<0.0010	U	0.01		0.00099	
Magnesium	mg/L	89		<0.010		<1.0	U, D	<0.10	U, D	0.26	D	1.7		0.330	
Manganese	mg/L	0.42		0.13		0.015	D	0.0043	J, D	0.00095	J	0.031		0.0015	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.0062		0.054		0.041	D	0.039	D	0.033		0.032		0.0288	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		0.0044	J	0.0039	J	<0.012	U	<0.010		<0.010	
pH	pH Units	7.70		10.0		9.73		10.5		10.6		10		9.9	
Potassium	mg/L	66	B2	200		220	D	210	D, B	200	D	191		225	
Selenium	mg/L	0.029		0.0094		0.0065	D	0.0049	J, D	0.0073		<0.0025	D3	0.0021	
Silver	mg/L	<0.0020		<0.0020		0.0011	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	1000		280		270	D	260	D	240	D	233		266	
Sulfate as SO4	mg/L	220	D	1000	D	1600	D	970	D	930	D	970		1010	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	0.00041	J	<0.00050	D3	0.00040	
Total Dissolved Solids	mg/L	3400		2400		2200	D	2100	D	2000	D	1950		2100	
Turbidity	NTU	11		68		14		1.9		1.2		43.7		2.8	
Vanadium	mg/L	<0.0050		0.12		0.079	D	0.070		0.087		0.039		0.0504	
Zinc	mg/L	<0.020		0.25		0.032	D	<0.020	U, D	0.0037	J	0.029		0.0089	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-33)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/1/2009		3/18/2010		6/7/2010		3/28/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	16		80		120	D	<1.0	U	61	Z10a	<1.0		30.0	
Ammonia (N)	mg/L	3.9		3.2		2.8		4.3		3.9		3.4		3.3	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0080		0.0071		0.0068	D	0.0034	J, D	0.0052		0.0039		0.0035	
Barium	mg/L	0.68		0.93		0.96	D	0.78	D	0.85		0.93		0.999	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	0.00047		<0.000080	
Calcium	mg/L	110		85		94	D	93	D	81	D	77.7		84.5	
Chloride	mg/L	2600	D	2100	D	1600	D	1500	D	3500	D	1940		1690	
Chromium	mg/L	<0.0025		<0.0025		0.0020	J, D	<0.0025	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Cobalt	mg/L	0.039		0.030		0.025	D	0.025	D	0.016		0.021		0.0164	
COD, Total	mg/L	19		41		27		23		51		140		142	
Conductivity	umhos/cm	5400		5300	Z10c	5900		18000		5500		6830		5420	
Copper	mg/L	0.0080		0.017		0.0046	D	<0.0020	U, D	0.00038	J	<0.0025	D3	<0.00050	
Hardness (as CaCO3)	mg/L	830		700		700		710		640		631		645	
Iron	mg/L	230		310		330	D	200	D	300	D	301		336	
Lead	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	0.00086		<0.00010	
Magnesium	mg/L	130		120		110	D	120	D	110	D	104		106	
Manganese	mg/L	18		14		13	D	13	D	11	D	9.7		11.2	
Mercury	mg/L	<0.00020		<0.00020		0.000032	J	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.025		0.012		0.0063	D	0.011	D	0.0083		0.0071		0.0044	
Nitrogen, Nitrate	mg/L	<0.050		0.14		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		0.14		<0.050	U	0.0064	J	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.012		0.0025	J	0.0027	J	0.0065	J	<0.010		<0.010	
pH	pH Units	4.75		5.40	Z10b	9.24		9.40		6.50		2.4		6.1	
Potassium	mg/L	26	B2	9.5		7.2	D	11	D, B	6.9	D	6.3		6.40	
Selenium	mg/L	0.026		0.030		0.013	D	0.0093	D	0.021		<0.0025	D3	<0.00050	
Silver	mg/L	<0.0020		<0.0020		0.0010	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.00053	
Sodium	mg/L	620		670		620	D	640	D	630	D	588		680	
Sulfate as SO4	mg/L	170	D	140	D	170	D	33	D	44	D	22.5		36.2	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	3700		2600		2600	D	2100	D	3100	D	2790		2750	
Turbidity	NTU	12		200		22		4.1		390	D	0.34		20.8	
Vanadium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U	<0.0050	U	<0.00050	D3	0.00011	
Zinc	mg/L	0.072		<0.020		<0.020	U, D	0.022	D	0.0071		<0.025		0.0071	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/1/2009		3/18/2010		6/7/2010		3/28/2011		3/21/2013		9/26/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	100		210		180	D	200	D	200	Z10a, D	200		246	
Ammonia (N)	mg/L	22	D	33	D	27	D	26	D	30	D	85		43.3	
Antimony	mg/L	<0.0050		<0.0050		0.0040	J, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	0.0068		0.011		0.0082	D	0.0094	D	0.0090		0.0087		0.0109	
Barium	mg/L	0.023		0.034		0.024	D	0.030	D	0.027		0.026		0.0374	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	<0.00050	U	<0.00040	D3	0.000080	
Calcium	mg/L	230		340		300	D	310	D	310	D	264		337	
Chloride	mg/L	95		240	D	180	D	220	D	220	D	354		274	
Chromium	mg/L	<0.0025		0.0046		0.0032	D	<0.0025	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Cobalt	mg/L	<0.0050		<0.0050		0.00051	J, D	<0.0050	U, D	0.00072	J	<0.0025	D3	0.00092	
COD, Total	mg/L	140		170	D	190	D	200	D	160	D	262		339	
Conductivity	umhos/cm	2300		2000	Z10a	2300		7800		2300		2470		2680	
Copper	mg/L	<0.0020		0.0051		<0.0020	U, D	<0.0020	U, D	0.0016		<0.0025	D3	<0.00050	
Hardness (as CaCO3)	mg/L	590		860		750		760		790		655		784	
Iron	mg/L	0.057		1.0		0.66	D	0.33	D	0.20	D	0.3		0.391	
Lead	mg/L	<0.0020		0.0050		0.0018	J, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	0.00037	
Magnesium	mg/L	<0.010		<0.010		<0.10	U, D	<0.10	U, D	0.045	J, D	0.047		0.0567	
Manganese	mg/L	<0.0050		0.038		0.015	D	<0.0050	U, D	0.00022	J	0.0035		0.0064	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.014		0.028		0.016	D	0.019	D	0.024		0.017		0.0217	
Nitrogen, Nitrate	mg/L	<0.050		<0.050		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.050		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		<0.012		0.0059	J	0.0026	J	<0.012	U	<0.010		<0.010	
pH	pH Units	10.7		10.5	Z10	11.1		10.9		11.0		10.8		10.0	
Potassium	mg/L	83	B2	130		100	D	110	D, B	110	D	109		152	
Selenium	mg/L	0.0091		0.012		0.0046	J, D	0.0062	D	0.0095		0.0025		0.0030	
Silver	mg/L	<0.0020		<0.0020		0.0012	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	94		140		110	D	130	D	140	D	146		169	
Sulfate as SO4	mg/L	550	D	1100	D	940	D	930	D	900	D	1400		957	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1000		1800		1600	D	1200	D	1700	D	1700		2020	
Turbidity	NTU	0.22		2.1		1.1		0.87		0.61		1.2		1.1	
Vanadium	mg/L	0.015		0.023		0.021	D	0.021		0.020		0.022		0.0222	
Zinc	mg/L	<0.020		0.078		0.025	D	<0.020	U, D	0.0054		<0.025	D3	0.0060	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-19													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009		10/26/2009		3/1/2010		6/18/2010		4/1/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	70		<1.0		NS		90		NS		200		74.0	
Ammonia (N)	mg/L	0.26		0.16		NS		7.9	D	NS		3.5		6.1	
Antimony	mg/L	<0.0050		<0.0050		NS		<0.0050	U, D	NS		<0.0025	D3	0.0024	
Arsenic	mg/L	<0.0050		<0.0050		NS		0.0040	J, D	NS		0.0032		0.0045	
Barium	mg/L	0.022		0.025		NS		0.017	D	NS		0.018		0.0294	
Beryllium	mg/L	<0.0025		0.0034		NS		<0.0025	U, D	NS		<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		0.0012		NS		<0.00050	U, D	NS		<0.00040	D3	0.00012	
Calcium	mg/L	380		19		NS		320	D	NS		326		272	
Chloride	mg/L	56		3600	D	NS		56		NS		73.4		74.9	
Chromium	mg/L	<0.0025		0.0040		NS		<0.0025	U, D	NS		<0.0025	D3	0.0053	
Cobalt	mg/L	<0.0050		0.24		NS		<0.0050	U, D	NS		<0.0025	D3	0.0066	
COD, Total	mg/L	<10		57		NS		35		NS		24.7		49.6	
Conductivity	umhos/cm	1800		1700		NS		1200		NS		2040		1760	
Copper	mg/L	<0.0020		0.0026		NS		<0.0020	U, D	NS		<0.0025	D3	0.0062	
Hardness (as CaCO3)	mg/L	940		350		NS		800		NS		791		686	
Iron	mg/L	<0.0050		20		NS		0.066	D	NS		<0.25	D3	1.46	
Lead	mg/L	<0.0020		0.0024		NS		0.0016	J, D	NS		0.0026		0.0095	
Magnesium	mg/L	<0.010		75		NS		<0.10	U, D	NS		0.077		0.720	
Manganese	mg/L	<0.0050		0.57		NS		0.0030	J, D	NS		<0.0025	D3	0.177	
Mercury	mg/L	<0.00020		<0.00020		NS		<0.00020	U	NS		<0.00020		<0.00020	
Nickel	mg/L	0.012		0.34		NS		0.0069	D	NS		<0.0025	D3	0.0058	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		NS		<0.050		NS		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		NS		<0.050	U	NS				<0.10	
Nitrogen, Nitrite	mg/L	0.17		NA		NS		0.0019	J	NS		,0.010		0.031	
pH	pH Units	10.8		10.7		NS		11.0		NS		10.8		10.8	
Potassium	mg/L	42	B2	0.96		NS		50	D, B	NS		50.0		56.6	
Selenium	mg/L	0.0077		0.0054		NS		<0.0050	U, D	NS		0.0046		0.0019	
Silver	mg/L	<0.0020		<0.0020		NS		<0.0020	U, D	NS		<0.0025	D3	<0.00050	
Sodium	mg/L	50		110		NS		52	D	NS		56		63.0	
Sulfate as SO4	mg/L	1600	D	260	D	NS		900	D	NS		47		767	
Thallium	mg/L	<0.0020		<0.0020		NS		<0.0020	U, D	NS		<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	1600		1300		NS		970	D	NS		1460		1270	
Turbidity	NTU	0.29		8.5		NS		1.4		NS		0.31		13.6	
Vanadium	mg/L	0.042		<0.0050		NS		0.093		NS		0.037		0.0302	
Zinc	mg/L	<0.020		0.67		NS		<0.020	U, D	NS		<0.025	D3	0.0504	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-20 (-5)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/16/2009		3/17/2010		6/17/2010		4/6/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	84		80		50		84		75	D	106		78.0	
Ammonia (N)	mg/L	5.6	D	7.3	D	3.8		7.1	D	7.0	D	4.6		5.1	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	<0.0050	U	<0.0025	D3	<0.00050	
Arsenic	mg/L	<0.0050		<0.0050		<0.0050	U, D	0.0024	J, D	0.0020		<0.0025	D3	0.0078	
Barium	mg/L	0.034		0.036		0.037	D	0.045	D	0.028		0.063		0.0425	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	<0.00050		<0.00050		<0.00050	U, D	<0.00050	U, D	0.00077		<0.00040	D3	<0.000080	
Calcium	mg/L	13		13		11	D	21		12		8.6		118	
Chloride	mg/L	59		78		45		70		45	D	39		39.4	
Chromium	mg/L	<0.0025		<0.0025		0.0032	D	<0.0025	U, D	0.00088	J	<0.0025	D3	0.00085	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00027	J	<0.0025	D3	<0.00050	
COD, Total	mg/L	<10		110		36		53		61		50.8		43.0	
Conductivity	umhos/cm	690		800		480		640		600		525		864	
Copper	mg/L	0.0029		<0.0020		<0.0020	U, D	<0.0020	U, D	0.0015		<0.0025	D3	0.0012	
Hardness (as CaCO3)	mg/L	33		35		48		54		32		60.4		281	
Iron	mg/L	0.050		0.057		0.081	D	0.062		0.028		<0.25	D3	0.134	
Lead	mg/L	0.0043		0.0047		0.0011	J, D	<0.0020	U, D	0.0035		0.0023		0.00088	
Magnesium	mg/L	0.31		0.45		5.2	D	0.23		0.79		9.2		0.144	
Manganese	mg/L	0.0081		0.0050		0.0039	J, D	0.019	D	0.00071	J	0.0082		0.0024	
Mercury	mg/L	<0.00020		<0.00020		0.000031	J	<0.00020	U	0.00015	J	<0.00020		<0.00020	
Nickel	mg/L	<0.0050		<0.0050		0.0015	J, D	0.0017	J, D	0.0026	J	<0.0025	D3	0.0013	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		<0.060		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		0.0060	B1	0.0071	J	0.0034	J	<0.012	U	<0.010		<0.010	
pH	pH Units	10.4		10.4		10.3		10.5		10.3		9.4		10.5	
Potassium	mg/L	53	B2	54		39	D	54	B	46	B4	32.0		29.1	
Selenium	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00086	J	<0.0025	D3	0.00060	
Silver	mg/L	<0.0020		<0.0020		0.0011	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	<0.00050	
Sodium	mg/L	92		90		68	D	88		82	D	49.3		31.9	
Sulfate as SO4	mg/L	140	D	140	D	130	D	160	D	1100	D	48.8		284	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	530		490		340	D	530	D	480	D	288		573	
Turbidity	NTU	1.1		0.78		0.41		1.4		0.50		3.6		2.0	
Vanadium	mg/L	0.0099		0.0099		0.0044	J, D	0.0055		0.0068		0.0063		0.0629	
Zinc	mg/L	<0.020		<0.020		<0.020	U, D	<0.020	U, D	0.0061		0.029		0.0105	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Inorganic Compounds - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well TS-01 (-7)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/26/2009		3/15/2010		6/3/2010		3/31/2011		3/21/2013		9/27/2013	
		Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier	Result (mg/L)	Qualifier
Alkalinity	mg CaCO3/L	320		320		20		390	D	360	D	400		302	
Ammonia (N)	mg/L	19	D	20	D	28	D	40	D	23	D	56.6		22.8	
Antimony	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00065	J	<0.0025	D3	0.00084	
Arsenic	mg/L	0.022		0.019		0.017	D	0.016	D	0.020		0.0045		0.0062	
Barium	mg/L	0.033		0.033		0.027	D	0.028	D	0.025		0.024		0.0257	
Beryllium	mg/L	<0.0025		<0.0010		<0.0025	U, D	<0.0025	U, D	<0.0010	U	<0.0010	D3	<0.00020	
Cadmium	mg/L	0.00068		0.0015		0.0013	D	0.00038	J, D	0.0021		<0.00040	D3	<0.000080	
Calcium	mg/L	660		600		610	D	580	D	590	D	541		544	
Chloride	mg/L	51		1600	D	2700	D	2300	D	3700	D	2460		1620	
Chromium	mg/L	<0.0025		0.0037		0.0027	D	<0.0025	U, D	<0.0020	U	<0.0025	D3	<0.00050	
Cobalt	mg/L	<0.0050		<0.0050		<0.0050	U, D	<0.0050	U, D	0.00084	J	<0.0025	D3	<0.00050	
COD, Total	mg/L	97		130		140		85		120		190		188	
Conductivity	umhos/cm	3300		13000		11000		20000		1200		11100		10100	
Copper	mg/L	0.019		0.0033		0.011	D	0.0093	D	0.0052		<0.0025	D3	<0.00050	
Hardness (as CaCO3)	mg/L	1600		1500		1500		1500		1500		1240		1280	
Iron	mg/L	<0.0050		1.0		<0.50	U, D	<0.50	U, D	<0.0050	B5, U	<0.25	D3	<0.050	
Lead	mg/L	0.0022		0.0085		0.0016	J, D	<0.0020	U, D	<0.0010	U	<0.00050		<0.00010	
Magnesium	mg/L	<0.010		<0.010		<1.0	U, D	<1.0	U, D	0.070	J, D	0.091		0.0494	
Manganese	mg/L	0.010		0.014		0.0042	J, D	<0.0050	U, D	0.00080	J	<0.0025	D3	0.00071	
Mercury	mg/L	<0.00020		<0.00020		<0.00020	U	<0.00020	U	<0.00020	U	<0.00020		<0.00020	
Nickel	mg/L	0.020		0.023		0.016	D	0.014	D	0.016		<0.0025	D3	0.0022	
Nitrogen, Nitrate	mg/L	<0.050		<0.05		<0.050		<0.050		<0.050		0.074		<0.060	
Nitrogen, Nitrate-Nitrite	mg/L	<0.050		<0.05		<0.050	U	<0.050	U	<0.050	U			<0.10	
Nitrogen, Nitrite	mg/L	<0.0050		NA		<0.012	U	<0.012	U	<0.012	U	<0.010		<0.010	
pH	pH Units	10.6		11.1		11.8		11.0		11.4		11.6		11.5	
Potassium	mg/L	410	B2	440		580	D	520	D, B	580	D	540		577	
Selenium	mg/L	0.051		0.042		0.040	D	0.028	D	0.045		<0.0025	D3	0.0026	
Silver	mg/L	<0.0020		<0.0020		0.00064	J, D, B	<0.0020	U, D	<0.0010	U	<0.0025	D3	0.0011	
Sodium	mg/L	1500		1600		1800	D	1800	D	1700	D	1630		1540	
Sulfate as SO4	mg/L	2100	D	1700	D	2400	D	2200	D	2900	D	2540		2950	
Thallium	mg/L	<0.0020		<0.0020		<0.0020	U, D	<0.0020	U, D	<0.0010	U	<0.00050	D3	<0.00010	
Total Dissolved Solids	mg/L	6600		7300		5800	D	6800	D	5900	D	7120		6940	
Turbidity	NTU	0.32		2.4		2.8		1.3		0.21		0.19		0.29	
Vanadium	mg/L	0.055		0.068		0.060	D	0.052		0.050		0.051		0.0446	
Zinc	mg/L	<0.020		0.044		0.035	D	<0.020	U, D	0.0069		<0.025	D3	<0.0050	

**Table Notes:**

Data qualifiers and units are listed on the first page of this appendix

## **APPENDIX F**

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-02 (-29)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U	<12	U, D	<10	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2-Chloronaphthalene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2-Chlorophenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2-Methylnaphthalene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2-Methylphenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
2-Nitrophenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
4-Nitrophenol	8270	<50	U	<10	U	<12	U, D	<10	U, D				
Acenaphthene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Acenaphthylene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Acetophenone	8270	0.0	U	0.0	U								
Aniline	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Anthracene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Benz(a)anthracene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Benzo[a]pyrene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Bis(2-Ethylhexyl)phthalate	8270	54		<5.0	U	<5.8	U, D	<5.2	U, D				
Butylbenzylphthalate	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Chrysene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Dibenzofuran	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Diethylphthalate	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Dimethylphthalate	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				

Di-n-butylphthalate	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Di-n-octylphthalate	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Fluoranthene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Fluorene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Hexachlorobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Hexachlorobutadiene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U	<12	U, D	<10	U, D				
Hexachloroethane	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Isophorone	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Naphthalene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Nitrobenzene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Pentachloroethane	8270	<1.0	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Pentachlorophenol	8270	<50	U	<10	U	<12	U, D	<10	U, D				
Phenanthrene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Pyrene	8270	<10	U	<5.0	U	<5.8	U, D	<5.2	U, D				
Pyridine	8270	<20	U	<5.0	U	<5.8	U, D	<5.2	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-02 (-5)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/2/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.0	U	30	D	<5.3	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U	<12	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
4-Nitrophenol	8270	<50	U	<10	U	<12	U, D	<11	U, D				
Acenaphthene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U	0.0	U								
Aniline	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Anthracene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	17		6.9		<6.0	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Chrysene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				

Di-n-butylphthalate	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Fluorene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U	<12	U, D	<11	U, D				
Hexachloroethane	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Isophorone	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Naphthalene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Pentachlorophenol	8270	<50	U	<10	U	<12	U, D	<11	U, D				
Phenanthrene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Pyrene	8270	<10	U	<5.0	U	<6.0	U, D	<5.3	U, D				
Pyridine	8270	<20	U	<5.0	U	<6.0	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-03 (-16)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/18/2010		6/3/2010		3/28/2011			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
1,2-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
1,3-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
1,4-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,4,5-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,4,6-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,4-Dichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,4-Dimethylphenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U		
2,4-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2,6-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2-Chloronaphthalene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2-Chlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2-Methylnaphthalene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2-Methylphenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
2-Nitrophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4-Bromophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
4-Nitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U		
Acenaphthene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Acenaphthylene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Anthracene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Benz(a)anthracene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Benzo[a]pyrene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Benzo[b]fluoranthene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Benzo[g,h,i]perylene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Benzo[k]fluoranthene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	31	D	<5.3	U, D	<5.6	U, D	<5.0	U		
Butylbenzylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Chrysene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Dibenz[a,h]anthracene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Dibenzofuran	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Diethylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Dimethylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		

Di-n-butylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Di-n-octylphthalate	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Fluoranthene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Fluorene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Hexachlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Hexachlorobutadiene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U		
Hexachloroethane	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.4	E3, U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Isophorone	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Naphthalene	8270	19	D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Nitrobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
N-Nitrosodimethylamine	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Pentachloroethane	8270	<1.0	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<11	U, D	<11	U, D	<10	U		
Phenanthrene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Phenolics, Total Recoverable	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Pyrene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		
Pyridine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.6	U, D	<5.0	U		

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-03 (-3)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/17/2010		6/3/2010		3/28/2011			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
1,2-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
1,3-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
1,4-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,4,5-Trichlorophenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,4,6-Trichlorophenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,4-Dichlorophenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,4-Dimethylphenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,4-Dinitrophenol	8270	<53	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U, D		
2,4-Dinitrotoluene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2,6-Dinitrotoluene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2-Chloronaphthalene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2-Chlorophenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2-Methylnaphthalene	8270	<11	U, D	5.7	D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2-Methylphenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
2-Nitrophenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4,6-Dinitro-2-methylphenol	8270	<53	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4-Bromophenyl-phenylether	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4-Chlorophenyl-phenylether	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4-Methylphenol, 3-Methylphenol	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
4-Nitrophenol	8270	<53	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U, D		
Acenaphthene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Acenaphthylene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Anthracene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Benz(a)anthracene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Benzo[a]pyrene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Benzo[b]fluoranthene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Benzo[g,h,i]perylene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Benzo[k]fluoranthene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Bis(2-Chloroethoxy)methane	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Bis(2-Chloroethyl)ether	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Bis(2-chloroisopropyl)ether	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Bis(2-Ethylhexyl)phthalate	8270	<11	U, D	51	D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Butylbenzylphthalate	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Chrysene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Dibenz[a,h]anthracene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Dibenzofuran	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Diethylphthalate	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Dimethylphthalate	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		

Di-n-butylphthalate	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Di-n-octylphthalate	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Fluoranthene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Fluorene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Hexachlorobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Hexachlorobutadiene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Hexachlorocyclopentadiene	8270	<11	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U, D		
Hexachloroethane	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Indeno[1,2,3-cd]pyrene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Isophorone	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Naphthalene	8270	<11	U, D	7.8	D	<5.3	U, D	5.9	D	<5.1	U, D		
Nitrobenzene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
N-Nitrosodimethylamine	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Pentachloroethane	8270	<1.1	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Pentachlorophenol	8270	<53	V6, U, D	<11	U, D	<11	U, D	<11	U, D	<10	U, D		
Phenanthrene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Phenolics, Total Recoverable	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Pyrene	8270	<11	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		
Pyridine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.7	U, D	<5.1	U, D		

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-05 (-25)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
4-Nitrophenol	8270	<50	U	<10	U	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U	0.0	U								
Aniline	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Anthracene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	50		40		<5.2	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Chrysene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				



Di-n-butylphthalate	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Fluorene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Isophorone	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Naphthalene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Pentachlorophenol	8270	<50	U	<10	U	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Pyrene	8270	<10	U	<5.0	U	<5.2	U, D	<5.3	U, D				
Pyridine	8270	<20	U	<5.0	U	<5.2	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-05 (-7)**

Chemical Analyte	EPA Method	Well GL-05 (-7)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/21/2009		3/16/2010		6/1/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U	<11	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2-Chloronaphthalene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2-Chlorophenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2-Methylnaphthalene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2-Methylphenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
2-Nitrophenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
4-Nitrophenol	8270	<50	U	<10	U	<11	U, D	<11	U, D				
Acenaphthene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Acenaphthylene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Acetophenone	8270	0.0	U	0.0	U								
Aniline	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Anthracene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Benz(a)anthracene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Benzo[a]pyrene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Bis(2-Ethylhexyl)phthalate	8270	50		28		<5.6	U, D	<5.4	U, D				
Butylbenzylphthalate	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Chrysene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Dibenzofuran	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Diethylphthalate	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Dimethylphthalate	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				

Di-n-butylphthalate	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Di-n-octylphthalate	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Fluoranthene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Fluorene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Hexachlorobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Hexachlorobutadiene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U	<11	U, D	<11	U, D				
Hexachloroethane	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Isophorone	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Naphthalene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Nitrobenzene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Pentachloroethane	8270	<1.0	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Pentachlorophenol	8270	<50	U	<10	U	<11	U, D	<11	U, D				
Phenanthrene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Pyrene	8270	<10	U	<5.0	U	<5.6	U, D	<5.4	U, D				
Pyridine	8270	<20	U	<5.0	U	<5.6	U, D	<5.4	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-36)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/14/2009		3/25/2010		6/3/2010		3/23/2011			
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
1,2-Dichlorobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
1,3-Dichlorobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
1,4-Dichlorobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,4,5-Trichlorophenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,4,6-Trichlorophenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,4-Dichlorophenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,4-Dimethylphenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,4-Dinitrophenol	8270	<52	Z10, U, D	<11	U, D	<10	U, D	<11	U, D	<13	U, D		
2,4-Dinitrotoluene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2,6-Dinitrotoluene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2-Chloronaphthalene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2-Chlorophenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2-Methylnaphthalene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2-Methylphenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
2-Nitrophenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
3,3'-Dichlorobenzidine	8270	<21	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4,6-Dinitro-2-methylphenol	8270	<52	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4-Bromophenyl-phenylether	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4-Chloro-3-methylphenol	8270	<21	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4-Chlorophenyl-phenylether	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4-Methylphenol, 3-Methylphenol	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
4-Nitrophenol	8270	<52	Z10, U, D	<11	U, D	<10	U, D	<11	U, D	<13	U, D		
Acenaphthene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Acenaphthylene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Acetophenone	8270	0.0	Z10, U, D	0.0	U, D								
Aniline	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Anthracene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Benz(a)anthracene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Benzo[a]pyrene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Benzo[b]fluoranthene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Benzo[g,h,i]perylene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Benzo[k]fluoranthene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Bis(2-Chloroethoxy)methane	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Bis(2-Chloroethyl)ether	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Bis(2-chloroisopropyl)ether	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Bis(2-Ethylhexyl)phthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Butylbenzylphthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Chrysene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Dibenz[a,h]anthracene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Dibenzofuran	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Diethylphthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Dimethylphthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		

Di-n-butylphthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Di-n-octylphthalate	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Fluoranthene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Fluorene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Hexachlorobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Hexachlorobutadiene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Hexachlorocyclopentadiene	8270	<10	Z10, U, D	<11	U, D	<10	U, D	<11	U, D	<13	U, D		
Hexachloroethane	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Indeno[1,2,3-cd]pyrene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Isophorone	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Naphthalene	8270	14	Z10, D	7.3	D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Nitrobenzene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
N-Nitrosodimethylamine	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Pentachloroethane	8270	<1.0	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Pentachlorophenol	8270	<52	Z10, U, D	<11	U, D	<10	U, D	<11	U, D	<13	U, D		
Phenanthrene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Phenolics, Total Recoverable	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Pyrene	8270	<10	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		
Pyridine	8270	<21	Z10, U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D	<6.3	U, D		

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-08 (-3)													
		Sampling Date 7/9/2009		Sampling Date 10/14/2009		Sampling Date 3/25/2010		Sampling Date 6/3/2010		Sampling Date 3/23/2011		Sampling Date 3/20/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
1,2-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
1,3-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
1,4-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2,4,5-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<27.0		<26.5	
2,4,6-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2,4-Dichlorophenol	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2,4-Dimethylphenol	8270	57	D	84	D	98	D	89	D	<280	U, D	126		55.7	
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D	<560	U, D	<27.0		<26.5	
2,4-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2,6-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2-Chloronaphthalene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2-Chlorophenol	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
2-Methylnaphthalene	8270	22	D	22	D	84	D	29	D	<280	U, D	67.1		23.8	
2-Methylphenol	8270	14	D	38	D	36	D	24	D	<280	U, D	44.3		30.0	
2-Nitrophenol	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	E3, U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<27.0		<26.5	
4-Bromophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
4-Methylphenol, 3-Methylphenol	8270	15	D	76	D	82	D	40	D	<280	U, D	101		59.6	
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D	<560	U, D	<10.8		<10.6	
Acenaphthene	8270	<10	U, D	6.0	D	16	D	<5.6	U, D	<280	U, D	32.4		<10.6	
Acenaphthylene	8270	<10	U, D	11	D	26	D	<5.6	U, D	<280	U, D	20.9		<10.6	
Acetophenone	8270	0.0	U, D	0.0	U, D									21.0	
Aniline	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D			<26.5	
Anthracene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Benz(a)anthracene	8270	<10	U, D	<5.3	E3, U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Benzo[a]pyrene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Benzo[b]fluoranthene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Benzo[g,h,i]perylene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Benzo[k]fluoranthene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Butylbenzylphthalate	8270	<10	U, D	<5.3	E3, U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Chrysene	8270	<10	U, D	<5.3	E3, U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Dibenz[a,h]anthracene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Dibenzofuran	8270	<10	U, D	13	D	40	D	11	D	<280	U, D	35.3		11.4	
Diethylphthalate	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Dimethylphthalate	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Di-n-butylphthalate	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Di-n-octylphthalate	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6	
Fluoranthene	8270	<10	U, D	<5.3	U, D	15	D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Fluorene	8270	<10	U, D	13	D	40	D	10	D	<280	U, D	34.5		11.7	
Hexachlorobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	
Hexachlorobutadiene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6	

Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D	<560	U, D	<10.8		<10.6
Hexachloroethane	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.3	E3, U, D	<5.2	E3, U, D	<5.6	E3, U, D	<280	U, D	<10.8		<10.6
Isophorone	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6
Naphthalene	8270	880	D	770	D	1700	D	910	D	2100	D	1420		890
Nitrobenzene	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6
N-Nitrosodimethylamine	8270	<10	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D	<10.8		<10.6
Pentachloroethane	8270	<1.0	U, D	<5.3	U, D	<5.2	U, D	<5.6	U, D	<280	U, D			
Pentachlorophenol	8270	<52	U, D	13	D	<10	U, D	<11	U, D	<560	U, D	<10.8		<26.5
Phenanthrene	8270	11	D	13	D	50	D	11	D	<280	U, D	34.1		13.0
Phenolics, Total Recoverable	8270	<10	U, D	<5.3	U, D	11	D	<5.6	U, D	<280	U, D	<10.8	D3	<10.6
Pyrene	8270	<10	U, D	<5.3	E3, U, D	13	D	<5.6	U, D	<280	U, D	<10.8		<10.6
Pyridine	8270	<21	U, D	20	D	25	D	11	D	<280	U, D			<10.6

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-09 (-2)													
		Sampling Date 7/13/2009		Sampling Date 10/26/2009		Sampling Date 3/29/2010		Sampling Date 6/9/2010		Sampling Date 3/23/2011		Sampling Date 3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
1,2-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
1,3-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
1,4-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2,4,5-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<2.8		<26.3	
2,4,6-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2,4-Dichlorophenol	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2,4-Dimethylphenol	8270	38	D	37	D	14	D	29	D	8.7	D	16.4		<10.5	
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<10	U, D	<10	U, D	<2.8		<26.3	
2,4-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2,6-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2-Chloronaphthalene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2-Chlorophenol	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
2-Methylnaphthalene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	2.2		<10.5	
2-Methylphenol	8270	17	D	19	D	7.1	D	16	D	4.3	J, D	10.4		15.9	
2-Nitrophenol	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<2.8		<26.3	
4-Bromophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
4-Methylphenol, 3-Methylphenol	8270	240	D	150	D	67	D	170	D	70	D	24.4		169	
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<10	U, D	<10	U, D	<1.1		<10.5	
Acenaphthene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Acenaphthylene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Acetophenone	8270	0.0	U, D	0.0	U, D									<10.5	
Aniline	8270	<10	U, D	6.0	D	<5.1	U, D	<5.1	U, D	<5.2	U, D			<26.3	
Anthracene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Benz(a)anthracene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Benzo[a]pyrene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Benzo[b]fluoranthene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Benzo[g,h,i]perylene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Benzo[k]fluoranthene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Bis(2-Ethylhexyl)phthalate	8270	42	D	7.4	D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Butylbenzylphthalate	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Chrysene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Dibenz[a,h]anthracene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Dibenzofuran	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Diethylphthalate	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Dimethylphthalate	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Di-n-butylphthalate	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Di-n-octylphthalate	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Fluoranthene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Fluorene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	1.2		<10.5	
Hexachlorobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Hexachlorobutadiene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	

Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<10	U, D	<10	U, D	<1.1		<10.5	
Hexachloroethane	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.4	E3, U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Isophorone	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Naphthalene	8270	11	D	14	D	12	D	26	D	6.5	D	17.0		18.4	
Nitrobenzene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
N-Nitrosodimethylamine	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Pentachloroethane	8270	<1.0	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<10	U, D	<10	U, D	<10	U, D	<2.8		<26.3	
Phenanthrene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	1.4		<10.5	
Phenolics, Total Recoverable	8270	88	D	97	D	36	D	88	D	41	D	31.7		123	
Pyrene	8270	<10	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D	<1.1		<10.5	
Pyridine	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.1	U, D	<5.2	U, D			<10.5	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-09 (-20)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009		10/26/2009		3/29/2010		6/9/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,4-Dinitrophenol	8270	<52	Z10, U, D	<11	U, D	<10	U	<11	U, D				
2,4-Dinitrotoluene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2-Chloronaphthalene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2-Chlorophenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2-Methylnaphthalene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2-Methylphenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
2-Nitrophenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<21	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<21	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
4-Nitrophenol	8270	<52	Z10, U, D	<11	U, D	<10	U	<11	U, D				
Acenaphthene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Acenaphthylene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Acetophenone	8270	0.0	Z10, U, D	0.0	U, D								
Aniline	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Anthracene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Benz(a)anthracene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Benzo[a]pyrene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Butylbenzylphthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Chrysene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Dibenzofuran	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Diethylphthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Dimethylphthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				
Di-n-butylphthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D				

Di-n-octylphthalate	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Fluoranthene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Fluorene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Hexachlorobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Hexachlorobutadiene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Hexachlorocyclopentadiene	8270	<10	Z10, U, D	<11	U, D	<10	U	<11	U, D			
Hexachloroethane	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Indeno[1,2,3-cd]pyrene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Isophorone	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Naphthalene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Nitrobenzene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
N-Nitrosodimethylamine	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Pentachloroethane	8270	<1.0	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Pentachlorophenol	8270	<52	V6, Z10, U, D	<11	U, D	<10	U	<11	U, D			
Phenanthrene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Phenolics, Total Recoverable	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Pyrene	8270	<10	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			
Pyridine	8270	<21	Z10, U, D	<5.5	U, D	<5.0	U	<5.3	U, D			

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-10 (-31)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/12/2009		3/23/2010		6/4/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
1,2-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
1,3-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
1,4-Dichlorobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,4,5-Trichlorophenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,4,6-Trichlorophenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,4-Dichlorophenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,4-Dimethylphenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,4-Dinitrophenol	8270	<53	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2,6-Dinitrotoluene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2-Chloronaphthalene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2-Chlorophenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2-Methylnaphthalene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2-Methylphenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
2-Nitrophenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4,6-Dinitro-2-methylphenol	8270	<53	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4-Bromophenyl-phenylether	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4-Chlorophenyl-phenylether	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4-Methylphenol, 3-Methylphenol	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
4-Nitrophenol	8270	<53	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Acenaphthylene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Anthracene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Benz(a)anthracene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Benzo[a]pyrene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Benzo[b]fluoranthene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Benzo[g,h,i]perylene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Benzo[k]fluoranthene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Bis(2-Chloroethoxy)methane	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Bis(2-Chloroethyl)ether	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Bis(2-chloroisopropyl)ether	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Bis(2-Ethylhexyl)phthalate	8270	14	D	41	D	<5.1	U, D	<5.7	U, D				
Butylbenzylphthalate	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Chrysene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Dibenz[a,h]anthracene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Dibenzofuran	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Diethylphthalate	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Dimethylphthalate	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				

Di-n-butylphthalate	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Di-n-octylphthalate	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Fluoranthene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Fluorene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	M5, U, D				
Hexachlorobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Hexachlorobutadiene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Hexachlorocyclopentadiene	8270	<11	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Indeno[1,2,3-cd]pyrene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Isophorone	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Naphthalene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Nitrobenzene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
N-Nitrosodimethylamine	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Pentachloroethane	8270	<1.1	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Pentachlorophenol	8270	<53	U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Phenolics, Total Recoverable	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Pyrene	8270	<11	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				
Pyridine	8270	<21	U, D	<5.4	U, D	<5.1	U, D	<5.7	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-10 (-1)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/12/2009		3/23/2010		6/4/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2-Chlorophenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2-Methylphenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
2-Nitrophenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Acenaphthylene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Anthracene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Ethylhexyl)phthalate	8270	19	D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Chrysene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Dibenzofuran	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Diethylphthalate	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Dimethylphthalate	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Fluoranthene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Fluorene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Isophorone	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Naphthalene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Nitrobenzene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Pentachlorophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Pyrene	8270	<10	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				
Pyridine	8270	<21	U, D	<5.4	U, D	<5.2	U, D	<5.7	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-11 (-33)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/26/2009		3/25/2010		6/7/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<11	U, D	<5.1	U, D	<5.6	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<5.3	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2-Chlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2-Methylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
2-Nitrophenol	8270	<10	U, D	<11	U, D	<5.1	U, D	<5.6	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	0.0	U, D	<5.1	U, D	<5.6	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
4-Nitrophenol	8270	<52	U, D	<5.3	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Acenaphthylene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Acetophenone	8270	0.0	U, D	<5.3	U, D								
Aniline	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Chrysene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Dibenzofuran	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Diethylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Dimethylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Fluorene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Isophorone	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Naphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Nitrobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				
Pyridine	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.6	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-11 (-1)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/22/2009		3/29/2010		6/9/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<10	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2-Chlorophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2-Methylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
2-Nitrophenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<10	U, D				
Acenaphthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Acenaphthylene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D	0.0	U, D						
Aniline	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Bis(2-Ethylhexyl)phthalate	8270	57	D	40	D	<5.1	U, D	<5.1	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Chrysene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Dibenzofuran	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Diethylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Dimethylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Fluoranthene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Fluorene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<10	U, D				
Hexachloroethane	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Isophorone	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Naphthalene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Nitrobenzene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<10	U, D	<10	U, D				
Phenanthrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Pyrene	8270	<10	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				
Pyridine	8270	<21	U, D	<5.3	U, D	<5.1	U, D	<5.1	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-17)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	7.9	D	<5.2	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Chrysene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Fluorene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Isophorone	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Naphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pyridine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-12 (-3)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Anthracene	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	63	D	110	D	<5.2	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Chrysene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Fluorene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Isophorone	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Naphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	S4, U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pyrene	8270	<10	U, D	<5.5	S4, U, D	<5.2	U, D	<5.3	U, D				
Pyridine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (-26)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/17/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.4	U, D	10	D	<5.1	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<10	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2-Chlorophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2-Methylphenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
2-Nitrophenol	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.4	U, D	8.0	D	<5.1	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<10	U, D				
Acenaphthene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Acenaphthylene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Anthracene	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Chrysene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Dibenzofuran	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Diethylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Dimethylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Fluoranthene	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Fluorene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<11	U, D	<10	U, D				
Hexachloroethane	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Isophorone	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Naphthalene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Nitrobenzene	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Pentachlorophenol	8270	<52	U, D	<11	S4, U, D	<11	U, D	<10	U, D				
Phenanthrene	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				
Pyrene	8270	<10	U, D	<5.4	S4, U, D	<5.3	U, D	<5.1	U, D				
Pyridine	8270	<21	U, D	<5.4	U, D	<5.3	U, D	<5.1	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-13 (+1)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/25/2010		6/16/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Anthracene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	6.2	D	<5.2	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Chrysene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Fluorene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Isophorone	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Naphthalene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Pentachlorophenol	8270	<52	V6, U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Pyrene	8270	<10	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				
Pyridine	8270	<21	U, D	<5.6	U, D	<5.2	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-14 (-33)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/12/2009		3/23/2010		6/4/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2-Chlorophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
2-Nitrophenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Acenaphthylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D	0.0	U, D						
Aniline	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Bis(2-Ethylhexyl)phthalate	8270	50	D	46	D	<5.2	U, D	<5.7	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Chrysene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Dibenzofuran	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Diethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Dimethylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Fluoranthene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Fluorene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Isophorone	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Naphthalene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Nitrobenzene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Pentachlorophenol	8270	<52	U, D	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Pyrene	8270	<10	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				
Pyridine	8270	<21	U, D	<5.5	U, D	<5.2	U, D	<5.7	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-14 (+1)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/9/2009		10/13/2009		3/23/2010		6/4/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
1,2-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
1,3-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
1,4-Dichlorobenzene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2,4,5-Trichlorophenol	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
2,4,6-Trichlorophenol	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
2,4-Dichlorophenol	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
2,4-Dimethylphenol	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2,6-Dinitrotoluene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2-Chloronaphthalene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2-Chlorophenol	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2-Methylnaphthalene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
2-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
2-Nitrophenol	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
4-Bromophenyl-phenylether	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
4-Chloro-3-methylphenol	8270	<21	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
4-Nitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D				
Acenaphthene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Acenaphthylene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Anthracene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Benz(a)anthracene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Benzo[a]pyrene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Benzo[b]fluoranthene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Benzo[g,h,i]perylene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Benzo[k]fluoranthene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Butylbenzylphthalate	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Chrysene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Dibenz[a,h]anthracene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Dibenzofuran	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Diethylphthalate	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Dimethylphthalate	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				

Di-n-butylphthalate	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Di-n-octylphthalate	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Fluoranthene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Fluorene	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Hexachlorobenzene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Hexachlorobutadiene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Hexachlorocyclopentadiene	8270	<10	U, D	<11	S4, U, D	<11	U, D	<11	U, D				
Hexachloroethane	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Isophorone	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Naphthalene	8270	<10	U, D	<5.5	S4, U, D	7.3	D	<5.6	U, D				
Nitrobenzene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
N-Nitrosodimethylamine	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Pentachloroethane	8270	<1.0	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Pentachlorophenol	8270	<52	U, D	<11	S4, U, D	<11	U, D	<11	U, D				
Phenanthrene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Phenolics, Total Recoverable	8270	<10	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				
Pyrene	8270	<10	U, D	<5.5	S4, U, D	<5.3	U, D	<5.6	U, D				
Pyridine	8270	<21	U, D	<5.5	U, D	<5.3	U, D	<5.6	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-15 (-36)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,4-Dinitrophenol	8270	<50	U	<11	U, D	<10	U, D	<12	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2-Chloronaphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2-Chlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2-Methylnaphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2-Methylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
2-Nitrophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
4-Nitrophenol	8270	<50	U	<11	U, D	<10	U, D	<12	U, D				
Acenaphthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Acenaphthylene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Acetophenone	8270	0.0	U	0.0	U, D								
Aniline	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Benz(a)anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Benzo[a]pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Bis(2-Ethylhexyl)phthalate	8270	26		<5.5	U, D	<5.2	U, D	<5.9	U, D				
Butylbenzylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Chrysene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Dibenzofuran	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Diethylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Dimethylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				

Di-n-butylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Di-n-octylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Fluorene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Hexachlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Hexachlorobutadiene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<11	U, D	<10	U, D	<12	U, D				
Hexachloroethane	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Isophorone	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Naphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Nitrobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Pentachloroethane	8270	<1.0	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Pentachlorophenol	8270	<50	U	<11	U, D	<10	U, D	<12	U, D				
Phenanthrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.5	U, D	8.9	D	6.2	D				
Pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				
Pyridine	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.9	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**  
**Well GL-15 (-6)**

Chemical Analyte	EPA Method	Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/6/2009		10/26/2009		3/15/2010		6/1/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,4-Dinitrophenol	8270	<50	U	<11	U, D	<10	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chloronaphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Chlorophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylnaphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Methylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
2-Nitrophenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
4-Nitrophenol	8270	<50	U	<11	U, D	<10	U, D	<11	U, D				
Acenaphthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acenaphthylene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Acetophenone	8270	0.0	U	0.0	U, D								
Aniline	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benz(a)anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[a]pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Bis(2-Ethylhexyl)phthalate	8270	11		88	D	<5.2	U, D	<5.3	U, D				
Butylbenzylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Chrysene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dibenzofuran	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Diethylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Dimethylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				

Di-n-butylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Di-n-octylphthalate	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Fluoranthene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Fluorene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorobutadiene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<11	U, D	<10	U, D	<11	U, D				
Hexachloroethane	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Isophorone	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Naphthalene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Nitrobenzene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachloroethane	8270	<1.0	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pentachlorophenol	8270	<50	U	<11	U, D	<10	U, D	<11	U, D				
Phenanthrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pyrene	8270	<10	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				
Pyridine	8270	<20	U	<5.5	U, D	<5.2	U, D	<5.3	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-16 (-32)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/16/2009		3/16/2010		6/2/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U	<11	U, D	<10	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2-Chloronaphthalene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2-Chlorophenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2-Methylnaphthalene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2-Methylphenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
2-Nitrophenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
4-Nitrophenol	8270	<50	U	<10	U	<11	U, D	<10	U, D				
Acenaphthene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Acenaphthylene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Acetophenone	8270	0.0	U	0.0	U								
Aniline	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Anthracene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Benz(a)anthracene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Benzo[a]pyrene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Bis(2-Ethylhexyl)phthalate	8270	11		6.6		<5.4	U, D	<5.2	U, D				
Butylbenzylphthalate	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Chrysene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Dibenzofuran	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Diethylphthalate	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Dimethylphthalate	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				

Di-n-butylphthalate	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Di-n-octylphthalate	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Fluoranthene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Fluorene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Hexachlorobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Hexachlorobutadiene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U	<11	U, D	<10	U, D				
Hexachloroethane	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Isophorone	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Naphthalene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Nitrobenzene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Pentachloroethane	8270	<1.0	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Pentachlorophenol	8270	<50	U	<10	U	<11	U, D	<10	U, D				
Phenanthrene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Pyrene	8270	<10	U	<5.0	U	<5.4	U, D	<5.2	U, D				
Pyridine	8270	<20	U	<5.0	U	<5.4	U, D	<5.2	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-16 (-6)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/16/2009		3/16/2010		6/2/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
1,2-Dichlorobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
1,3-Dichlorobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
1,4-Dichlorobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,4,5-Trichlorophenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,4,6-Trichlorophenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,4-Dichlorophenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,4-Dimethylphenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,4-Dinitrophenol	8270	<50	U	<10	U, D	<12	U, D	<10	U, D				
2,4-Dinitrotoluene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2,6-Dinitrotoluene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2-Chloronaphthalene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2-Chlorophenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2-Methylnaphthalene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2-Methylphenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
2-Nitrophenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
3,3'-Dichlorobenzidine	8270	<20	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4,6-Dinitro-2-methylphenol	8270	<50	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4-Bromophenyl-phenylether	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4-Chloro-3-methylphenol	8270	<20	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4-Chlorophenyl-phenylether	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
4-Nitrophenol	8270	<50	U	<10	U, D	<12	U, D	<10	U, D				
Acenaphthene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Acenaphthylene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Acetophenone	8270	0.0	U	0.0	U, D								
Aniline	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Anthracene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Benz(a)anthracene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Benzo[a]pyrene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Benzo[b]fluoranthene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Benzo[g,h,i]perylene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Benzo[k]fluoranthene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Bis(2-Chloroethyl)ether	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Bis(2-Ethylhexyl)phthalate	8270	23		24	D	<5.9	U, D	<5.2	U, D				
Butylbenzylphthalate	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Chrysene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Dibenz[a,h]anthracene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Dibenzofuran	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Diethylphthalate	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Dimethylphthalate	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				

Di-n-butylphthalate	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Di-n-octylphthalate	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Fluoranthene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Fluorene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Hexachlorobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Hexachlorobutadiene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Hexachlorocyclopentadiene	8270	<10	V6, U	<10	U, D	<12	U, D	<10	U, D				
Hexachloroethane	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Indeno[1,2,3-cd]pyrene	8270	<10	U	<5.1	E3, U, D	<5.9	U, D	<5.2	U, D				
Isophorone	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Naphthalene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Nitrobenzene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
N-Nitrosodimethylamine	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Pentachloroethane	8270	<1.0	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Pentachlorophenol	8270	<50	U	<10	U, D	<12	U, D	<10	U, D				
Phenanthrene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Phenolics, Total Recoverable	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Pyrene	8270	<10	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				
Pyridine	8270	<20	U	<5.1	U, D	<5.9	U, D	<5.2	U, D				

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill  
Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-31)													
		Sampling Date 7/8/2009		Sampling Date 10/22/2009		Sampling Date 3/19/2010		Sampling Date 6/7/2010		Sampling Date 3/31/2011		Sampling Date 3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
1,2-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
1,3-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
1,4-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2,4,5-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<2.7		<2.7	
2,4,6-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2,4-Dichlorophenol	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2,4-Dimethylphenol	8270	320	D	<5.3	U, D	11	D	<5.6	U, D	11		3.0		1.6	
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U	<2.7		<2.7	
2,4-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2,6-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2-Chloronaphthalene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2-Chlorophenol	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2-Methylnaphthalene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2-Methylphenol	8270	15	D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
2-Nitrophenol	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<2.7		<2.7	
4-Bromophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
4-Methylphenol, 3-Methylphenol	8270	170	D	<5.3	U, D	<5.6	U, D	<5.6	U, D	3.6	J	<2.2		<2.1	
4-Nitrophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U	<1.1		<1.1	
Acenaphthene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Acenaphthylene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Acetophenone	8270	0.0	U, D	0.0	U, D									<1.1	
Aniline	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<2.7	
Anthracene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Benz(a)anthracene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Benzo[a]pyrene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Benzo[b]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Benzo[g,h,i]perylene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Benzo[k]fluoranthene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Ethylhexyl)phthalate	8270	19	D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Butylbenzylphthalate	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Chrysene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Dibenz[a,h]anthracene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Dibenzofuran	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Diethylphthalate	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Dimethylphthalate	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Di-n-butylphthalate	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Di-n-octylphthalate	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Fluoranthene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Fluorene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Hexachlorobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Hexachlorobutadiene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	

Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U	<1.1		<1.1	
Hexachloroethane	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Isophorone	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Naphthalene	8270	25	D	<5.3	U, D	21	D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Nitrobenzene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
N-Nitrosodimethylamine	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Pentachloroethane	8270	<1.0	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U				
Pentachlorophenol	8270	<52	U, D	<11	U, D	<11	U, D	<11	U, D	<10	U	<2.7		<2.7	
Phenanthrene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Phenolics, Total Recoverable	8270	71	D	<5.3	U, D	<5.6	U, D	<5.6	U, D	3.3	J	<1.1		<1.1	
Pyrene	8270	<10	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U	<1.1		<1.1	
Pyridine	8270	<21	U, D	<5.3	U, D	<5.6	U, D	<5.6	U, D	<5.0	U			<1.1	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill  
Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-17 (-1)													
		Sampling Date 7/8/2009		Sampling Date 10/22/2009		Sampling Date 3/19/2010		Sampling Date 6/7/2010		Sampling Date 3/31/2011		Sampling Date 3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
1,2-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
1,3-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
1,4-Dichlorobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2,4,5-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<27.2		<27.5	
2,4,6-Trichlorophenol	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2,4-Dichlorophenol	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2,4-Dimethylphenol	8270	<10	U, D	160	D	220	D	<5.5	U, D	280	D	360		350	
2,4-Dinitrophenol	8270	<52	U, D	<11	U, D	<12	U, D	<11	U, D	<10	U	<27.2		<27.5	
2,4-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2,6-Dinitrotoluene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2-Chloronaphthalene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2-Chlorophenol	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	3.9	J	<10.9		<11.0	
2-Methylnaphthalene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
2-Methylphenol	8270	<10	U, D	12	D	18	D	16	D	19		17.7		22.2	
2-Nitrophenol	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<27.2		<27.5	
4-Bromophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	96	D	150	D	<5.5	U, D	200	D	244		282	
4-Nitrophenol	8270	<52	U, D	<11	U, D	<12	U, D	<11	U, D	<10	U	<10.9		<11.0	
Acenaphthene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Acenaphthylene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Acetophenone	8270	0.0	U, D	0.0	U, D									<11.0	
Aniline	8270	<10	U, D	8.7	D	<5.9	U, D	7.3	D	11				<27.5	
Anthracene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Benz(a)anthracene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Benzo[a]pyrene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Benzo[b]fluoranthene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Benzo[g,h,i]perylene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Benzo[k]fluoranthene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.3	U, D	<5.9	U, D	11	D	<5.0	U	<10.9		<11.0	
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Bis(2-Ethylhexyl)phthalate	8270	24	D	85	D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Butylbenzylphthalate	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Chrysene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Dibenz[a,h]anthracene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Dibenzofuran	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Diethylphthalate	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Dimethylphthalate	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Di-n-butylphthalate	8270	<10	U, D	7.1	D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Di-n-octylphthalate	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0	
Fluoranthene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Fluorene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Hexachlorobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	
Hexachlorobutadiene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0	

Hexachlorocyclopentadiene	8270	<10	U, D	<11	U, D	<12	U, D	<11	U, D	<10	U	<10.9		<11.0
Hexachloroethane	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.3	E3, U, D	<5.9	E3, U, D	<5.5	E3, U, D	<5.0	U	<10.9		<11.0
Isophorone	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
Naphthalene	8270	<10	U, D	14	D	34	D	31	D	34		32.2		29.3
Nitrobenzene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
N-Nitrosodimethylamine	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
Pentachloroethane	8270	<1.0	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U			
Pentachlorophenol	8270	<52	U, D	<11	U, D	<12	U, D	<11	U, D	<10	U	<27.2		<27.5
Phenanthrene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
Phenolics, Total Recoverable	8270	<10	U, D	62	D	79	D	59	D	93	D	119	D3	170
Pyrene	8270	<10	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U	<10.9		<11.0
Pyridine	8270	<21	U, D	<5.3	U, D	<5.9	U, D	<5.5	U, D	<5.0	U			<11.0

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-33)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009		10/1/2009		3/18/2010		6/7/2010		3/28/2011		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
1,2-Dichlorobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
1,3-Dichlorobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
1,4-Dichlorobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,4,5-Trichlorophenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,4,6-Trichlorophenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,4-Dichlorophenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,4-Dimethylphenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,4-Dinitrophenol	8270	<53	U, D	<11	U, D	<11	U, D	<11	U, D	<11	U, D		
2,4-Dinitrotoluene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2,6-Dinitrotoluene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2-Chloronaphthalene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2-Chlorophenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2-Methylnaphthalene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2-Methylphenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
2-Nitrophenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4,6-Dinitro-2-methylphenol	8270	<53	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4-Bromophenyl-phenylether	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4-Chloro-3-methylphenol	8270	<21	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4-Chlorophenyl-phenylether	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4-Methylphenol, 3-Methylphenol	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
4-Nitrophenol	8270	<53	U, D	<11	U, D	<11	U, D	<11	U, D	<11	U, D		
Acenaphthene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Acenaphthylene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Acetophenone	8270	0.0	U, D	0.0	U, D								
Aniline	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Anthracene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Benz(a)anthracene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Benzo[a]pyrene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Benzo[b]fluoranthene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Benzo[g,h,i]perylene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Benzo[k]fluoranthene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Bis(2-Chloroethoxy)methane	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Bis(2-Chloroethyl)ether	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Bis(2-chloroisopropyl)ether	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Bis(2-Ethylhexyl)phthalate	8270	79	D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Butylbenzylphthalate	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Chrysene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Dibenz[a,h]anthracene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Dibenzofuran	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Diethylphthalate	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Dimethylphthalate	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		

Di-n-butylphthalate	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Di-n-octylphthalate	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Fluoranthene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Fluorene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Hexachlorobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Hexachlorobutadiene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Hexachlorocyclopentadiene	8270	<11	U, D	<11	V6, U, D	<11	U, D	<11	U, D	<11	U, D		
Hexachloroethane	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Indeno[1,2,3-cd]pyrene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Isophorone	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Naphthalene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	14	D	<5.7	U, D		
Nitrobenzene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
N-Nitrosodimethylamine	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Pentachloroethane	8270	<1.1	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Pentachlorophenol	8270	<53	U, D	<11	U, D	<11	U, D	<11	U, D	<11	U, D		
Phenanthrene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Phenolics, Total Recoverable	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Pyrene	8270	<11	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		
Pyridine	8270	<21	U, D	<5.3	U, D	<5.3	U, D	<5.6	U, D	<5.7	U, D		

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-18 (-3)													
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/8/2009	Qualifier	10/1/2009	Qualifier	3/18/2010	Qualifier	6/7/2010	Qualifier	3/28/2011	Qualifier	3/21/2013	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
1,2-Dichlorobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
1,3-Dichlorobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
1,4-Dichlorobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2,4,5-Trichlorophenol	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<27.5		<25.9	
2,4,6-Trichlorophenol	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2,4-Dichlorophenol	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
2,4-Dimethylphenol	8270	380	E3, D	610	D	430	D	<5.6	E3, U, D	490	D	<549		1180	
2,4-Dinitrophenol	8270	<52	E3, U, D	<11	U, D	<11	U, D	<11	U, D	<12	U, D	<27.5		<25.9	
2,4-Dinitrotoluene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2,6-Dinitrotoluene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2-Chloronaphthalene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2-Chlorophenol	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
2-Methylnaphthalene	8270	20	E3, D	46	D	96	D	98	E3, D	40	D	60.3		53.6	
2-Methylphenol	8270	160	E3, D	310	D	210	D	410	D	220	D	928		592	
2-Nitrophenol	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
3,3'-Dichlorobenzidine	8270	<21	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
4,6-Dinitro-2-methylphenol	8270	<52	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<27.5		<25.9	
4-Bromophenyl-phenylether	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
4-Chloro-3-methylphenol	8270	<21	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
4-Chlorophenyl-phenylether	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
4-Methylphenol, 3-Methylphenol	8270	320	E3, D	580	D	390	D	740	D	500	D	<1100		1500	
4-Nitrophenol	8270	<52	E3, U, D	<11	U, D	<11	U, D	<11	U, D	<12	U, D	<11.0		<10.4	
Acenaphthene	8270	<10	E3, U, D	<5.3	U, D	4.2	J, D	<5.6	U, D	3.6	J, D	32.1		<10.4	
Acenaphthylene	8270	<10	E3, U, D	6.7	D	7.1	D	8.0	D	6.1	D	<11.0		11.4	
Acetophenone	8270	0.0	E3, U, D	0.0	U, D									<10.4	
Aniline	8270	<10	E3, U, D	44	D	28	D	<5.6	U, D	28	D			<25.9	
Anthracene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Benz(a)anthracene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Benzo[a]pyrene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Benzo[b]fluoranthene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Benzo[g,h,i]perylene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Benzo[k]fluoranthene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Bis(2-Chloroethoxy)methane	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Bis(2-Chloroethyl)ether	8270	21	E3, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	43	D	<11.0		<10.4	
Bis(2-chloroisopropyl)ether	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Bis(2-Ethylhexyl)phthalate	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Butylbenzylphthalate	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Chrysene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Dibenz[a,h]anthracene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Dibenzofuran	8270	<10	E3, U, D	<5.3	U, D	5.8	D	6.9	D	<6.1	U, D	<11.0		<10.4	
Diethylphthalate	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Dimethylphthalate	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Di-n-butylphthalate	8270	<10	E3, U, D	5.5	D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Di-n-octylphthalate	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	
Fluoranthene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Fluorene	8270	<10	E3, U, D	<5.3	U, D	3.8	J, D	4.6	J, D	<6.1	U, D	<11.0		<10.4	
Hexachlorobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4	
Hexachlorobutadiene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4	

Hexachlorocyclopentadiene	8270	<10	E3, U, D	<11	V6, U, D	<11	U, D	<11	U, D	<12	U, D	<11.0		<10.4
Hexachloroethane	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4
Indeno[1,2,3-cd]pyrene	8270	<10	E3, U, D	<5.3	U, D	<5.4	E3, U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4
Isophorone	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4
Naphthalene	8270	1000	E, E3, D	1900	D	2100	D	2000	D	1600	D	2580		2200
Nitrobenzene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	E3, U, D	<6.1	U, D	<11.0		<10.4
N-Nitrosodimethylamine	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4
Pentachloroethane	8270	<1.0	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D			
Pentachlorophenol	8270	<52	E3, U, D	<11	U, D	<11	U, D	<11	U, D	<12	U, D	<27.5		<25.9
Phenanthrene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4
Phenolics, Total Recoverable	8270	100	E3, D	270	D	170	D	350	D	250	D	<549		651
Pyrene	8270	<10	E3, U, D	<5.3	U, D	<5.4	U, D	<5.6	U, D	<6.1	U, D	<11.0		<10.4
Pyridine	8270	45	E3, D	58	D	51	D	40	D	52	D			<10.4

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix



**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well GL-19											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/13/2009		10/26/2009		3/1/2010		6/18/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
1,2-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
1,3-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
1,4-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,4,5-Trichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,4,6-Trichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,4-Dichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,4-Dimethylphenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,4-Dinitrophenol	8270	<52	Z10, U, D	<11	U, D	NS		<10	U				
2,4-Dinitrotoluene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2,6-Dinitrotoluene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2-Chloronaphthalene	8270	<10	Z10, U, D	<5.3	M5, U, D	NS		<5.0	U				
2-Chlorophenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2-Methylnaphthalene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2-Methylphenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
2-Nitrophenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
3,3'-Dichlorobenzidine	8270	<21	Z10, U, D	<5.3	M5, U, D	NS		<5.0	U				
4,6-Dinitro-2-methylphenol	8270	<52	Z10, U, D	<5.3	U, D	NS		<5.0	U				
4-Bromophenyl-phenylether	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
4-Chloro-3-methylphenol	8270	<21	Z10, U, D	<5.3	U, D	NS		<5.0	U				
4-Chlorophenyl-phenylether	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
4-Methylphenol, 3-Methylphenol	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
4-Nitrophenol	8270	<52	Z10, U, D	<11	U, D	NS		<10	U				
Acenaphthene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Acenaphthylene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Acetophenone	8270	0.0	Z10, U, D	0.0	U, D	NS							
Aniline	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Anthracene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Benz(a)anthracene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Benzo[a]pyrene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U				
Benzo[b]fluoranthene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U				
Benzo[g,h,i]perylene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U				
Benzo[k]fluoranthene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U				
Bis(2-Chloroethoxy)methane	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Bis(2-Chloroethyl)ether	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Bis(2-chloroisopropyl)ether	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Bis(2-Ethylhexyl)phthalate	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Butylbenzylphthalate	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Chrysene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Dibenz[a,h]anthracene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U				
Dibenzofuran	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Diethylphthalate	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Dimethylphthalate	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U				
Di-n-butylphthalate	8270	<10	Z10, U, D	8.5	M5, D	NS		<5.0	U				

Di-n-octylphthalate	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U			
Fluoranthene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Fluorene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Hexachlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Hexachlorobutadiene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Hexachlorocyclopentadiene	8270	<10	Z10, U, D	<11	U, D	NS		<10	U			
Hexachloroethane	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Indeno[1,2,3-cd]pyrene	8270	<10	Z10, U, D	<5.3	E3, U, D	NS		<5.0	U			
Isophorone	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Naphthalene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Nitrobenzene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
N-Nitrosodimethylamine	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Pentachloroethane	8270	<1.0	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Pentachlorophenol	8270	<52	Z10, V6, U, D	<11	U, D	NS		<10	U			
Phenanthrene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Phenolics, Total Recoverable	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Pyrene	8270	<10	Z10, U, D	<5.3	U, D	NS		<5.0	U			
Pyridine	8270	<21	Z10, U, D	<5.3	U, D	NS		<5.0	U			

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

Grey's Landfill  
Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results

Chemical Analyte	EPA Method	Well GL-20 (-5)													
		Sampling Date 7/9/2009		Sampling Date 10/16/2009		Sampling Date 3/17/2010		Sampling Date 6/17/2010		Sampling Date 4/6/2011		Sampling Date 3/21/2013		Sampling Date	
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
1,2-Dichlorobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
1,3-Dichlorobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
1,4-Dichlorobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2,4,5-Trichlorophenol	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<2.7		<2.7	
2,4,6-Trichlorophenol	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2,4-Dichlorophenol	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2,4-Dimethylphenol	8270	68	D	110	D	77	D	<5.1	U, D	100	D	39.2		67.6	
2,4-Dinitrophenol	8270	<52	U, D	<10	U	<12	U, D	<10	U, D	<10	U	<2.7		<2.7	
2,4-Dinitrotoluene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2,6-Dinitrotoluene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2-Chloronaphthalene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2-Chlorophenol	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
2-Methylnaphthalene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		1.4	
2-Methylphenol	8270	<10	U, D	15		11	D	17	D	11		6.4		12.7	
2-Nitrophenol	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
3,3'-Dichlorobenzidine	8270	<21	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
4,6-Dinitro-2-methylphenol	8270	<52	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<2.7		<2.7	
4-Bromophenyl-phenylether	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
4-Chloro-3-methylphenol	8270	<21	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
4-Chlorophenyl-phenylether	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
4-Methylphenol, 3-Methylphenol	8270	<10	U, D	<5.0	U	<6.0	U, D	5.2	D	4.2	J	2.6		18.1	
4-Nitrophenol	8270	<52	U, D	<10	U	<12	U, D	<10	U, D	<10	U	<1.1		<1.1	
Acenaphthene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		1.2	
Acenaphthylene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Acetophenone	8270	0.0	U, D	0.0	U									6.2	
Aniline	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U			3.3	
Anthracene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Benz(a)anthracene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Benzo[a]pyrene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Benzo[b]fluoranthene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Benzo[g,h,i]perylene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Benzo[k]fluoranthene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Chloroethoxy)methane	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Chloroethyl)ether	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Bis(2-chloroisopropyl)ether	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Bis(2-Ethylhexyl)phthalate	8270	<10	U, D	200	D	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Butylbenzylphthalate	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Chrysene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Dibenz[a,h]anthracene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Dibenzofuran	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Diethylphthalate	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Dimethylphthalate	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Di-n-butylphthalate	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Di-n-octylphthalate	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	V6, U	<1.1		<1.1	
Fluoranthene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Fluorene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		1.3	
Hexachlorobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Hexachlorobutadiene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	

Hexachlorocyclopentadiene	8270	<10	U, D	<10	U	<12	U, D	<10	U, D	<10	U	<1.1		<1.1	
Hexachloroethane	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Indeno[1,2,3-cd]pyrene	8270	<10	U, D	<5.0	E3, U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Isophorone	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Naphthalene	8270	<10	U, D	11		13	D	17	D	13		6.3		77.7	
Nitrobenzene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
N-Nitrosodimethylamine	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Pentachloroethane	8270	<1.0	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U				
Pentachlorophenol	8270	<52	V6, U, D	<10	U	<12	U, D	<10	U, D	<10	U	<2.7		<2.7	
Phenanthrene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		1.7	
Phenolics, Total Recoverable	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Pyrene	8270	<10	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U	<1.1		<1.1	
Pyridine	8270	<21	U, D	<5.0	U	<6.0	U, D	<5.1	U, D	<5.0	U			<1.1	

**Table Notes:**

ND - Not Detected

Data qualifiers and units are listed on the first page of this appendix

**Grey's Landfill**  
**Semi Volatile Organic Compounds (SVOCs) - Groundwater Monitoring Wells Analytical Results**

Chemical Analyte	EPA Method	Well TS-01 (-7)											
		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date		Sampling Date	
		7/7/2009		10/26/2009		3/15/2010		6/3/2010					
		Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier	Result (ug/L)	Qualifier
1,2,4-Trichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
1,2-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
1,3-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
1,4-Dichlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,4,5-Trichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,4,6-Trichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,4-Dichlorophenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,4-Dimethylphenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,4-Dinitrophenol	8270	<51	Z10, U, D	<11	U, D	<12	U, D	<11	U, D				
2,4-Dinitrotoluene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2,6-Dinitrotoluene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2-Chloronaphthalene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2-Chlorophenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2-Methylnaphthalene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2-Methylphenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
2-Nitrophenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
3,3'-Dichlorobenzidine	8270	<20	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4,6-Dinitro-2-methylphenol	8270	<51	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4-Bromophenyl-phenylether	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4-Chloro-3-methylphenol	8270	<20	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4-Chlorophenyl-phenylether	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4-Methylphenol, 3-Methylphenol	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
4-Nitrophenol	8270	<51	Z10, U, D	<11	U, D	<12	U, D	<11	U, D				
Acenaphthene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Acenaphthylene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Acetophenone	8270	0.0	Z10, U, D	0.0	U, D	0.0	U, D						
Aniline	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Anthracene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Benz(a)anthracene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Benzo[a]pyrene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Benzo[b]fluoranthene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Benzo[g,h,i]perylene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Benzo[k]fluoranthene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Bis(2-Chloroethoxy)methane	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Bis(2-Chloroethyl)ether	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Bis(2-chloroisopropyl)ether	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Bis(2-Ethylhexyl)phthalate	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Butylbenzylphthalate	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Chrysene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Dibenz[a,h]anthracene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Dibenzofuran	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Diethylphthalate	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Dimethylphthalate	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D				
Di-n-butylphthalate	8270	<10	Z10, U, D	9.1	D	<6.2	U, D	<5.6	U, D				

Di-n-octylphthalate	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Fluoranthene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Fluorene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Hexachlorobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Hexachlorobutadiene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Hexachlorocyclopentadiene	8270	<10	Z10, U, D	<11	U, D	<12	U, D	<11	U, D			
Hexachloroethane	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Indeno[1,2,3-cd]pyrene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Isophorone	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Naphthalene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Nitrobenzene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
N-Nitrosodimethylamine	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Pentachloroethane	8270	<1.0	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Pentachlorophenol	8270	<51	V6, Z10, U, D	<11	U, D	<12	U, D	<11	U, D			
Phenanthrene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Phenolics, Total Recoverable	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Pyrene	8270	<10	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			
Pyridine	8270	<20	Z10, U, D	<5.3	U, D	<6.2	U, D	<5.6	U, D			

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