



Kestrel Horizons, LLC
As Trustee for the
Pinewood Site Custodial Trust

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June 10, 2013

Ms. Cynde Devlin, Hydrogeologist
Division of Hydrogeology
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

RE: Pinewood Site
Soil Gas Monitoring Pinewood Landfill Sections I, IIA and IIB
Technical Memorandum
SCD 070 375 985

Dear Ms. Devlin:

Please find enclosed the Soil Gas Monitoring Pinewood Landfill Sections I, IIA and IIB Technical Memorandum. AECOM prepared the memorandum on behalf of the Pinewood Site Custodial Trust. The report is being submitted in a reduced paper form and complete electronic form.

Please contact us at (864) 288-6353 if you have any questions or comments.

Sincerely,

A handwritten signature in blue ink, reading "Christopher J. Suttell".

Christopher J. Suttell
Kestrel Horizons, LLC, as Trustee for the Pinewood Site Custodial Trust

Enclosures

cc: Mr. Brian Burgess, STC (Pinewood Site File)
PSCT 06.26 (letter and report)
PSCT 03.80 (letter)

TECHNICAL MEMORANDUM

TO: Kestrel Horizons, LLC, as the Trustee for the Pinewood Site Custodial Trust
FROM: Walter Gerald, P.G., AECOM
 Leslee Alexander, P.G., AECOM
 Meredith Herndon, AECOM
COPY: AECOM Project File 60277027
RE: Soil Gas Monitoring Pinewood Landfill Sections I, IIA and IIB
 Technical Memorandum
 Pinewood, South Carolina
 AECOM Project Number 60271027
DATE: June 10, 2013

TABLE OF CONTENTS

<u>SECTION</u>	<u>Page</u>
INTRODUCTION	3
FINDINGS AND RECOMMENDATIONS	4
DEVIATIONS FROM THE WORK PLAN	5
FIELD ACTIVITIES	6
ANALYTICAL TESTING	7
Analytical Testing Program.....	7
Quality Assurance (QA)/Quality Control (QC)	8
RESULTS	9
Section I.....	9
Section IIA and IIB.....	9

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>
1	Soil Gas Well Location Map – Landfill Section I
2	Soil Gas Well Location Map – Landfill Sections IIA and IIB

LIST OF TABLES

<u>Table</u>	<u>Title</u>
1	Summary of Well Construction Specifications
2	Summary of Analytical Results
3	PID readings and Water Level Data Collected During GORE® Module Deployment and Retrieval
4	Statistics for Detected Analytes

LIST OF ATTACHMENTS

<u>Attachment</u>	<u>Title</u>
A	Map of Soil Gas Results Maps of Soil Gas Results – Section I – Shallow Maps of Soil Gas Results – Section I – Deep Maps of Soil Gas Results – Section IIA and IIB
B	<u>Soil Gas Monitoring Well Abandonment and Landfill Cover System Repair Procedures Technical Memorandum</u>
C	Field Forms Daily Tailgate Safety Meeting Log Detector Calibration Certificates Daily Quality Control Reports Daily Reports Well Installation Details GORE® Survey Chain of Custody Water Level Data Summary GORE® Survey Installation and Retrieval Log
D	Survey Data Summary
E	Laboratory Analytical Data

This Technical Memorandum has been prepared to summarize the work performed and present the results from soil gas sampling activities conducted at the Pinewood Landfill Site (the Site) between January 2, 2013 and April 4, 2013. The work was performed to evaluate the potential occurrence and spatial distribution of volatile vapors in the engineered soil cap and vadose zone soils surrounding those landfill caps on Sections I, IIA, and IIB.

INTRODUCTION

During November 2010, AECOM conducted a soil gas investigation across the Section I cover to determine if vapor transmission is occurring through the engineered cover, which includes a polyvinyl chloride (PVC) geomembrane, low permeability clay, sandy clay cover soils and top soil. Results of the soil gas study are presented in the *2010 Pinewood Improvement Projects – Volume 1 – Projects 1 & 2 Report* (AECOM, February 2011) and show that petroleum and chlorinated solvent vapors are present in the cover soils above Section I. Total benzene, toluene, ethylbenzene and xylene (BTEX) constituents appeared more widely distributed across the cover, although at lower constituent masses. The soil gas survey was able to quantify the distribution and relative abundance of volatile organic compounds (VOCs) diffusing through the PVC geomembrane and clay layer and into cover soils of Landfill Section I.

Additional soil gas monitoring was recommended based on the results of the soil gas investigation (AECOM, February 2011). In January 2013, permanent soil gas monitoring wells were installed to assist in future monitoring to screen and evaluate spatial and temporal variations of volatile vapors emanating from single-lined Landfill Sections I, IIA, and IIB (see Figures 1 and 2 for well locations and Table 1 for well construction details). On the landfill surface, permanent shallow monitoring wells [screened to a depth between 2 and 2.5 feet (ft) below ground surface (bgs)] were also installed to monitor soil gas above the engineered covers. Permanent soil gas monitoring wells were installed and sampled at two different depths (approximately 2.5 ft bgs and 8.5 ft bgs) around Landfill Section I and at a shallow depth (2.5 ft bgs) around Landfill Sections IIA and IIB to evaluate if soil gas is migrating beyond the engineered landfill perimeter. Soil gas monitoring wells were instrumented with GORE[®] Modules to evaluate the occurrence and relative abundance of soil gas constituents.

This memorandum summarizes the data collected during 2013 soil gas monitoring activities, describes the data analysis techniques used to evaluate the data, includes findings based on the data analyses, and provides options for recommended future studies. To streamline review of the most pertinent information, the findings and recommendations for further work are presented first (see Table 2 for a summary of results and Attachment A for maps of select analytes). More detailed discussion of field procedures, analytical methods, and detailed results is presented subsequently. [Note: Although the term “elevated” is typically used to discuss sample results as compared to a regulatory limit, the GORE[®] Modules were analyzed using the manufacturer’s screening method, which provides screening-level data as a mass of analyte in micrograms (μg) as opposed to a concentration such as μg per kilogram ($\mu\text{g}/\text{kg}$) or μg per liter ($\mu\text{g}/\text{L}$); therefore a correlation cannot be made to applicable concentration-based regulatory standards. In the context of this report, the term “elevated” refers to the sample results discussed for a specific analyte as compared to the remaining sample results for a given area.]

FINDINGS AND RECOMMENDATIONS

- Results indicate that organic vapors are present in cover soils above the geosynthetic and clay liner materials in Sections I, IIA, and IIB. Soil gas constituents have also been detected in soils immediately adjacent to the perimeter of Sections I, IIA, and IIB. Soil gas constituents have the potential to migrate into Water Table zone groundwater. If organic constituents are detected in Water Table groundwater during sampling under the Detection Monitoring Program (DMP), additional analysis should be conducted to verify if the potential detections are a result of soil gas migration or a potential release of leachate from one of the regulated units.
- Five petroleum-related compounds [total petroleum hydrocarbons (TPH), gasoline-range petroleum hydrocarbons (GRPH), diesel-range petroleum hydrocarbons (DRPH), BTEX, and benzene] were detected in 100% of the samples collected.
- Tetrachloroethene (PCE), 1,1-dichloroethane (1,1-DCA), trichloroethene (TCE), chloroform, 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,2-dichloroethane (1,2-DCA), vinyl chloride, and 1,1,1-trichloroethane (1,1,1-TCA) were detected frequently in the soil gas samples (in 15% to 55% of the samples collected).
- PCE and vinyl chloride concentrations in shallow soil gas samples from Section I were highest in the vicinity of SG-SEC1-27S, SG-SEC1-29S, and SG-SEC1-31S in cell 1E and SG-SEC1-19S in cell 1B. Detected concentrations of these two compounds were also elevated in deeper soil gas samples collected along the northwest perimeter of Section I (near cell 1A). Detected concentrations of vinyl chloride were elevated in deep soil gas sample from SG-SEC1-09D along the southwest boundary of Section I (south of cell 1E).
- Detected concentrations of PCE and vinyl chloride in shallow soil gas samples from the Sections IIA and IIB cover were highest in the vicinity of SG-SECIIA-13S, located on the west side of Section IIB. Detected concentrations of these two compounds were also elevated in the central portion of Section IIA (samples SG-SECIIA-22S and SG-SECIIA-18S). PCE was also elevated in eastern portion of the Section IIB cover (samples SG-SECIIA-19S and SG-SECIIA-16S) and along the southern perimeter of Section IIA (SG-SECIIA-07S and SG-SECIIA-05SR).
- Detected concentrations of 1,1-DCA were elevated in most of the shallow samples collected on top of Section I, including samples throughout cell 1E, samples on the southeast side of cell 1D, samples in the southern portion of cells 1C and 1B, and samples in the northern portion of cells 1A and 1C. Detected concentrations of 1,1-DCA were also elevated in deep soil gas sample from SG-SEC1-09D along the southwest boundary of Section I (south of cell 1E).
- 1,1-DCA was detected at elevated concentrations in the shallow samples collected from the cover in the western portion of Sections IIA (SG-SECIIA-20S, SG-SECIIA-21S, and SG-SECIIA-22S) and IIB (SG-SECIIA-13S). Detected concentrations of 1,1-DCA were also elevated near the eastern perimeter of Section IIA (SG-SECIIA-03S).
- Detected concentrations of TPH and benzene in shallow soil gas samples on the Section I cover are highest in samples from SG-SEC1-27S and SG-SEC1-29S in cell 1E. TPH and benzene are elevated in deep soil gas samples along the northwest perimeter of Section I (samples SG-SEC1-

04D and SG-SEC1-05D). TPH was also elevated in sample SG-SEC1-01D, along the northeast perimeter of Section I.

- Detected concentrations of TPH and benzene in shallow soil gas samples from Sections IIA and IIB were not as high as those detected in Section I. The highest concentrations of TPH in samples from the Section IIA and IIB cover were from SG-SECIIA-09S, along the western perimeter, and SG-SECIIA-24S and SG-SECIIA-03SR, near or along the eastern perimeter. Similarly, detected benzene concentrations were highest SG-SECIIA-09S, along the western perimeter, and SG-SECIIA-24S, near the eastern perimeter, as well as in sample SG-SECIIA-22S in the central portion of Section IIA and sample SG-SECIIA-13S, in the western portion of Section IIB.
- The soil gas monitoring well network should be maintained for future use as part of an on-going program to evaluate cap performance.

DEVIATIONS FROM THE WORK PLAN

Field work was conducted in accordance with the *Soil Gas Monitoring Work Plan - Pinewood Landfill Sections I, IIA and IIB* (AECOM, *Draft* January 2013; *Final* April 2013) except for the deviations listed below:

- Deep soil gas wells (screened 7.5 to 8.5 ft bgs) were proposed to be paired with shallow wells surrounding both Sections IIA and IIB. Plans to install deep wells at Landfill Sections IIA and IIB were abandoned after plastic material that could be part of the engineered cover was penetrated while drilling at locations SG-SECIIA-03D, SG-SECIIA-04D, and SG-SECIIA-05D (refer to Figure 2 of the *Soil Gas Monitoring Work Plan*, AECOM, April 2013). The wells installed at SG-SECIIA-03D and SG-SECIIA-04D and the borehole installed at SG-SECIIA-5D were abandoned as described in the *Soil Gas Monitoring Well Abandonment and Landfill Cover System Repair Procedures Technical Memorandum* (AECOM, January 2013), included as Attachment B.
- Three replacement wells (SG-SECIIA-03SR, SG-SECIIA-04SR, and SG-SECIIA-05SR) were installed along perimeter of Sections IIA and IIB after a revised Site map indicated that the original locations (SG-SECIIA-03S, SG-SECIIA-04S, and SG-SECIIA-05S) were located within the perimeter of Landfill Section IIA anchor trench area.
- Eight-inch, circular concrete pads around 16 soil gas monitoring wells were reconstructed because the soft soil and precipitation events after initial well installation activities caused upheaval of the vaults, however, the well casing and screens were not affected. Pads for the affected wells were replaced with 2-ft by 2-ft concrete pads. Concrete pad construction activities were completed by A.E. Drilling Services, located in Greenville, South Carolina, before GORE[®] Module deployment at each location.

FIELD ACTIVITIES

Soil gas monitoring field activities are briefly described in this section. Additional information is provided in the *Soil Gas Monitoring Work Plan* (AECOM, April 2013). Field activities were documented by AECOM personnel on the field forms included in Attachment C.

Prior to mobilization, the survey locations identified in the *Soil Gas Monitoring Work Plan* (AECOM, April 2013) were located and flagged by AECOM with a Global Positioning System (GPS). Reed Tech, Inc. performed a utilities surveillance using Ground Penetrating Radar (GPR) equipment at each soil gas monitoring well location. Some locations were adjusted in the field based on the occurrence of Site features, as documented in the field notes (Attachment C).

A Hollow Stem Auger (HSA) Direct Push Technology (DPT) Geoprobe[®] rig and 8-inch outside diameter (OD) augers were used to advance the soil borings. Shallow and deep soil gas monitoring wells were constructed using 2-inch inside diameter (ID) Schedule 40 (SCH 40) PVC casing with a 1-ft machine slotted SCH 40 PVC screen with approximately 1.5 ft of PVC casing for shallow wells and approximately 7.5 ft of PVC casing for deep wells. Southern silica #2 sand with a sieve size of 12-20 was added to the borehole annulus by free-pouring from the bottom of the borehole to slightly above the top of the slotted screen. A bentonite clay seal was placed above the filter pack and hydrated with potable water obtained on-Site. The seal was 1-ft thick for shallow soil gas monitoring wells and a minimum of 2-ft thick for deep soil gas monitoring wells. After the bentonite was properly hydrated and formed a seal in the borehole annulus, the manhole protective vault was placed into the borehole annulus and a cement-bentonite grout was poured from the surface from the top of the bentonite seal to land surface. Each well was sealed with an expanding well cap fitted with a vacuum sample port for sampling with a Summa Canister or Tedlar Bag, and an interior clip to attach a sorbent sampler (GORE[®] Module). Surface completions were constructed with a 6-inch diameter cast iron vault with a bolt down flush-mounted lid with the top of the vault slightly above ground surface to prevent water from pooling within the wellhead. An 8-inch diameter circular concrete pad was constructed around the protective covers to secure the well vaults. (NOTE: 16 of the 8-inch diameter well pads were replaced with 2-ft by 2-ft concrete pads due to upheaval as discussed in the previous section).

Installed permanent soil gas monitoring well locations are illustrated on Figures 1 and 2 for Landfill Sections I and IIA/IIB, respectively. Shallow soil gas wells were installed at 18 locations on Section I (screened 1.5 to 2.5 ft bgs) and 12 locations on Section IIA/IIB (screened 1.0 to 2.0 ft bgs due to the shallow depth to the landfill vapor barrier liner) to monitor vadose zone soil above the engineered landfill cap geomembrane. Shallow soil gas wells (screened 1.5 to 2.5 ft bgs) were also installed around the perimeter of Section I (14 wells) and Section IIA/IIB (15 wells) to evaluate the occurrence of soil gas around the landfill perimeter. Fourteen deep soil gas wells (screened 7.5 to 8.5 ft bgs) were installed adjacent to and below the tie-in (anchor trench) of the landfill cap geomembranes around the perimeter of Section I and were co-located with shallow soil gas well locations. Well construction specifications are summarized on Table 1.

A GORE[®] Module survey was utilized to establish the baseline soil vapor data set. [NOTE: information about GORE[®] Modules was provided in the *Soil Gas Monitoring Work Plan* (AECOM, April 2013) and can also be found on the web at www.gore.com/surveys]. Prior to deploying the GORE[®] module at each location, a groundwater level measurement was collected to determine if water had entered the well casing and headspace readings were collected at the top of casing to document potential vapors being released from the top of the soil gas monitoring well. A Photoionization Detector (PID) was used to measure headspace and was also used to monitor the breathing zone of personnel as a precautionary measure. Water in the well casing was removed with a siphon pump once the water level measurement had been collected at each location. Water level and PID measurements are summarized on Table 3.

Each GORE[®] Module arrived in a designated labeled vial and was tied to an inert polypropylene cord. The GORE[®] Modules were deployed by AECOM personnel inside the soil gas wells by attaching the cord to the clips on the well caps. The GORE[®] Modules were allowed to equilibrate with vapors in the well for approximately two weeks before they were recollected by AECOM personnel. PID readings and water levels observations were recorded for each well during retrieval activities and are summarized on Table 3. After retrieval, GORE[®] Modules were resealed in their respective numbered vials and shipped to the manufacturer via Federal Express along with completed chain-of-custody (COC) documentation for laboratory analysis. COC documentation is provided in Attachment C.

All soil gas monitoring wells were surveyed by an AECOM employee who is a registered land surveyor in the State of South Carolina. Surveyed locations were referenced to the South Carolina State Plane Coordinate System 1983 North American Datum (NAD83). Vertical elevations of land surface and top of casing were surveyed and referenced in accordance with the 1988 North American Vertical Datum (NAVD88) and the Site-specific datum. Survey data is provided in Attachment D.

ANALYTICAL TESTING

Analytical Testing Program

GORE[®] Modules were analyzed by GORE[®] in their in-house laboratory located in Elkton, Maryland for the Screening Method suite of VOCs and semi-volatile organic compounds (SVOCs; including TPH) by thermal desorption (TD), gas chromatography (GC), and mass spectroscopy (MS) via modified United States Environmental Protection Agency (USEPA) method 8260C.

The GORE[®] Screening Method analytical suite is summarized below.

SCREENING METHOD ANALYTICAL SUITE
1,1,1,2-Tetrachloroethane
1,1,1-TCA
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane

SCREENING METHOD ANALYTICAL SUITE
1,1-DCA
1,1-DCE
1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
1,2-DCA
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Benzene
BTEX
Carbon Tetrachloride
Chlorobenzene
Chloroform
cis-1,2-DCE
DRPH
Ethylbenzene
Fluorene
GRPH
m,p-Xylene
Methyl tert-butyl ether
Naphthalene
o-Xylene
Octane
Pentadecane
PCE
Toluene
TPH
trans-1,2-DCE
TCE
Tridecane
Undecane
Vinyl Chloride

Quality Assurance (QA)/Quality Control (QC)

Four trip blanks, provided by GORE[®], were collected to perform QC during this event and were collected at a frequency of five percent. Trip blanks were placed in the shipping coolers to evaluate the potential exposure to volatile vapors during the shipping progress. Trip blanks were analyzed using the same methodology as the primary GORE[®] Modules.

RESULTS

Laboratory analytical data is provided in Attachment E and the results are summarized in Table 2. Summary statistics, ranges for the detected compounds, and the locations of the maximum detected concentration for each compound are provided in Table 4.

Thirty-three of the 39 analytes in the screening list were detected during the 2013 soil gas monitoring. Five petroleum-related compounds (TPH, GRPH, DRPH, BTEX, and benzene) were detected in 100% of the samples collected. Chlorinated solvents (including PCE, 1,1-DCA, TCE, chloroform, 1,1- 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA, vinyl chloride, and 1,1,1-TCA) were also detected frequently in the soil gas samples (in 15% to 55% of the samples; Table 4).

Maps of the results for select compounds (PCE, vinyl chloride, 1,1-DCA, TPH, and benzene) were provided by GORE[®] and are included as Attachment E. Analytes for mapping were selected based on a combination of criteria, including past Site history, frequency of soil gas detections, and range of detected concentrations.

Section I

The GORE[®] results maps illustrate that detected concentrations of PCE and vinyl chloride in shallow soil gas samples from Section I were highest in the vicinity of SG-SEC1-27S, SG-SEC1-29S, and SG-SEC1-31S in cell 1E and SG-SEC1-19S in cell 1B. Detected concentrations of these two compounds were also elevated in deeper soil gas samples collected along the northwest perimeter of Section I (near cell 1A). Detected concentrations of vinyl chloride were elevated in deep soil gas sample from SG-SEC1-09D along the southwest boundary of Section I (south of cell 1E).

Detected concentrations of 1,1-DCA were elevated in most of the shallow samples collected on top of Section I, including samples throughout cell 1E, samples on the southeast side of cell 1D, samples in the southern portion of cells 1C and 1B, and samples in the northern portion of cells 1A and 1C. Detected concentrations of 1,1-DCA were also elevated in deep soil gas sample from SG-SEC1-09D along the southwest boundary of Section I (south of cell 1E).

Detected concentrations of TPH and benzene in shallow soil gas samples on the Section I cover are highest in samples from SG-SEC1-27S and SG-SEC1-29S in cell 1E. TPH and benzene are elevated in deep soil gas samples along the northwest perimeter of Section I (samples SG-SEC1-04D and SG-SEC1-05D). TPH was also elevated in sample SG-SEC1-01D, along the northeast perimeter of Section I.

Section IIA and IIB

The GORE[®] results maps illustrate that detected concentrations of PCE and vinyl chloride in shallow soil gas samples from the Sections IIA and IIB cover were highest in the vicinity of SG-SECIIA-13S, located

on the west side of Section IIB. Detected concentrations of these two compounds were also elevated in the central portion of Section IIA (samples SG-SECIIA-22S and SG-SECIIA-18S). PCE was also elevated in eastern portion of the Section IIB cover (samples SG-SECIIA-19S and SG-SECIIA-16S) and along the southern perimeter of Section IIA (SG-SECIIA-07S and SG-SECIIA-05SR).

1,1-DCA was detected at elevated concentrations in the shallow samples collected from the cover in the western portion of Sections IIA (SG-SECIIA-20S, SG-SECIIA-21S, and SG-SECIIA-22S) and IIB (SG-SECIIA-13S). Detected concentrations of 1,1-DCA were also elevated near the eastern perimeter of Section IIA (SG-SECIIA-03S).

Detected concentrations of TPH and benzene in shallow soil gas samples from Sections IIA and IIB were not as high as those detected in Section I. The highest concentrations of TPH in samples from the Section IIA and IIB were from SG-SECIIA-09S, along the western perimeter, and SG-SECIIA-24S and SG-SECIIA-03SR, near or along the eastern perimeter. Similarly, detected benzene concentrations were highest SG-SECIIA-09S, along the western perimeter, and SG-SECIIA-24S, near the eastern perimeter, as well as in sample SG-SECIIA-22S in the central portion of Section IIA and sample SG-SECIIA-13S, in the western portion of Section IIB.

CERTIFICATION PAGE
Soil Gas Monitoring Pinewood Landfill Sections I, IIA and IIB Technical Memorandum
Pinewood Site Improvement Projects
Pinewood, South Carolina

The undersigned certify that they have reviewed the attached document and that the document is in material compliance with the requirements of the *Agreement between Owner and Engineer for Professional Services* dated October 25, 2010 between Kestrel and AECOM. To the best of our knowledge, this Technical Memorandum is also in material compliance with applicable state and federal regulations. The data presentations contained herein are consistent with Consultant standards and generally accepted practices in the environmental profession.

Prepared by:



Leslee Alexander, PG
South Carolina PG No. 2433
June 10, 2013

Prepared by:

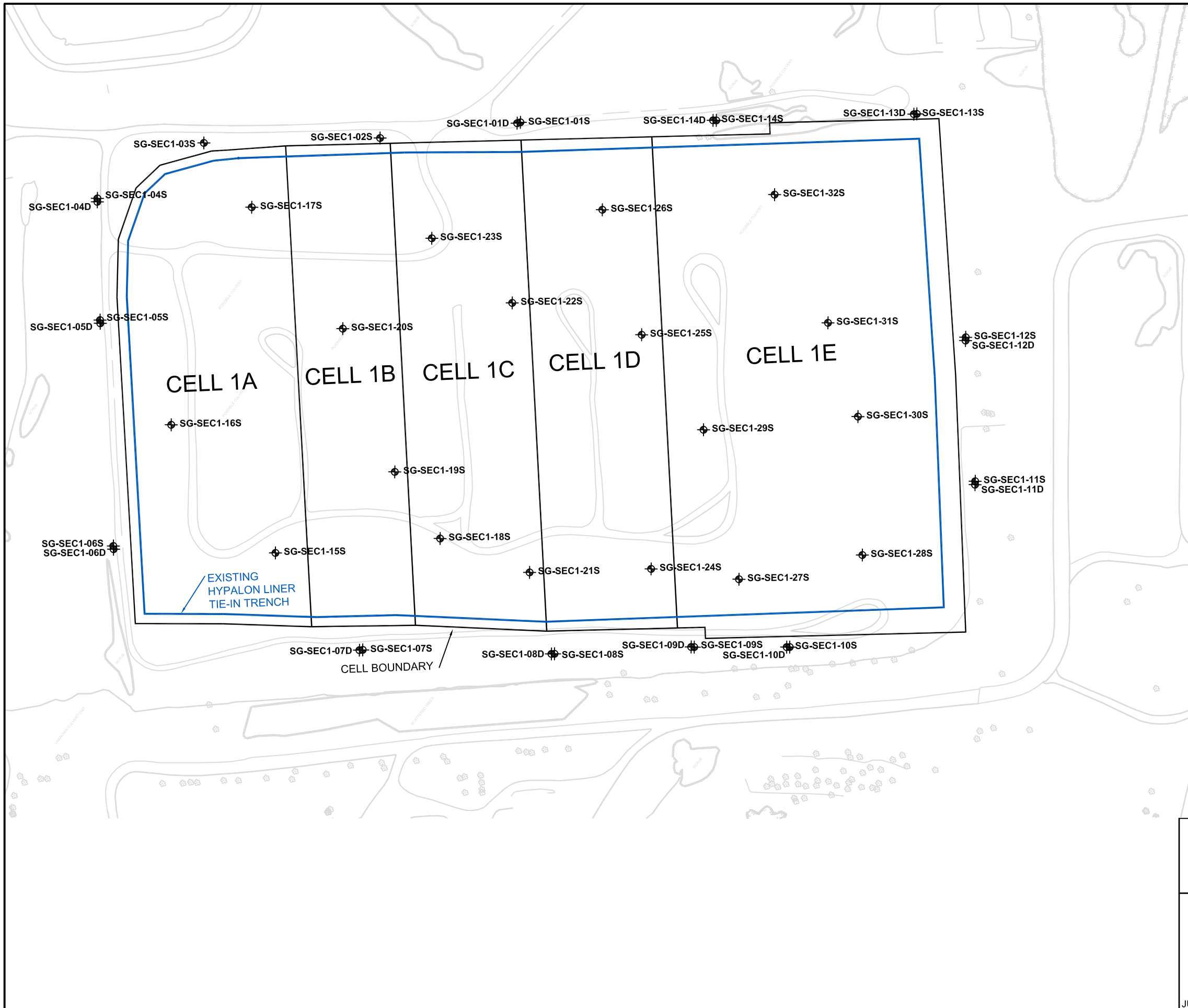
Meredith Herndon
Project Scientist
June 10, 2013

Reviewed by:



Walter Gerald, PG
South Carolina PG No. 146
June 10, 2013

FIGURES

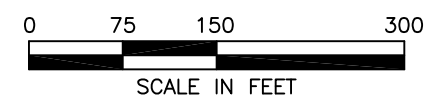


LEGEND:

SG-SEC1-12S SOIL GAS WELL LOCATION
(SURVEYED BY AECOM 2013)

NOTE:

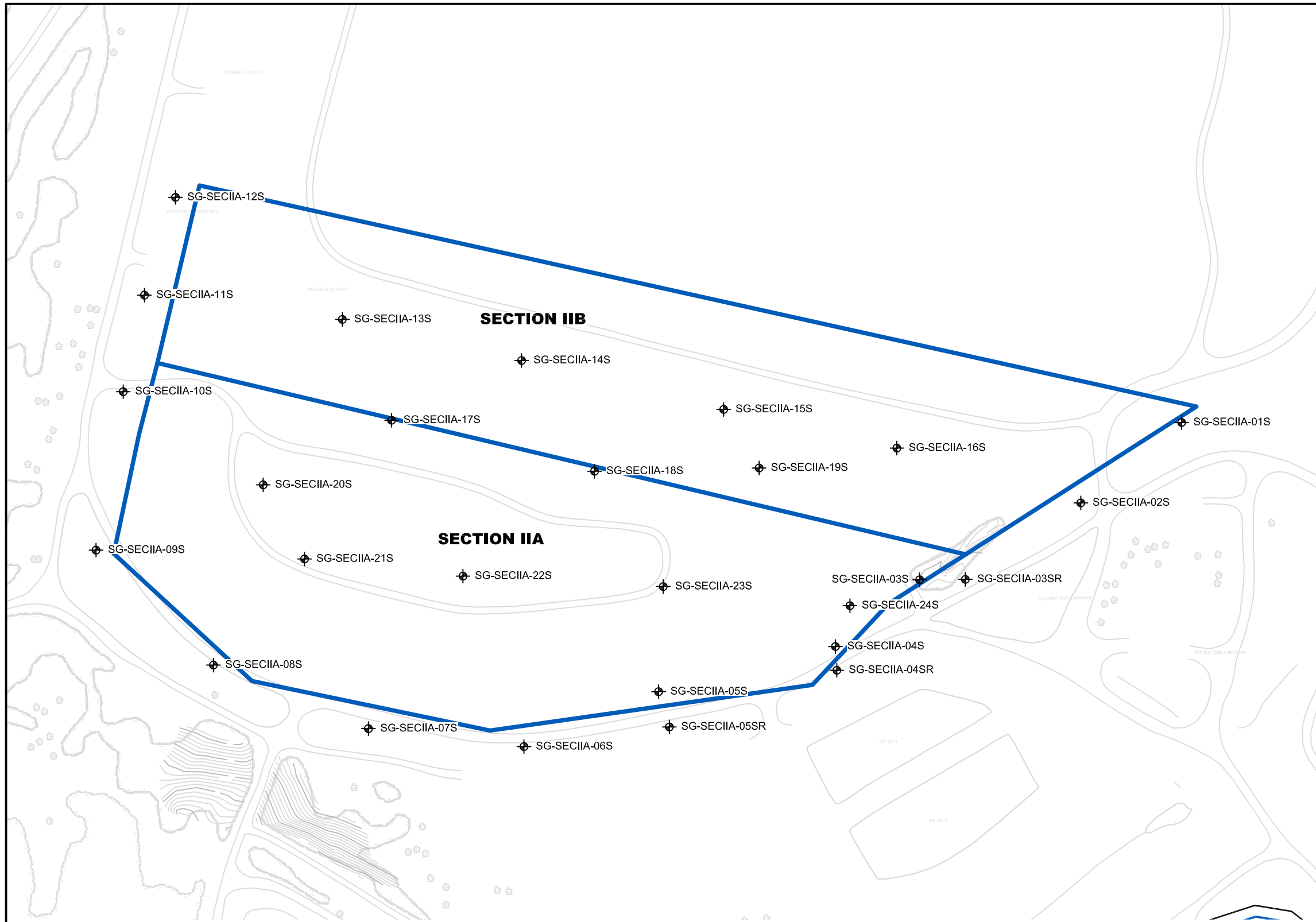
1. SECTION I COVER FOOTPRINT - 950,128 SQ. FT.




	10 Patewood Drive, Building 6, Suite 500 Greenville, SC 29615 T: (864) 234-3000 F: (864) 234-3069 www.aecom.com
	<p align="center">FIGURE 1 SOIL GAS LOCATION MAP - SECTION I</p> <p align="center">SOIL GAS MONITORING PINEWOOD LANDFILL PINEWOOD, SOUTH CAROLINA</p>

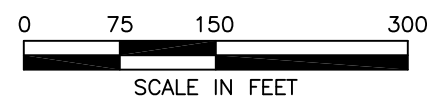
JUNE 2013

60271027



LEGEND:
 SG-SECIIA-16S  SOIL GAS WELL LOCATION
 (SURVEYED BY AECOM 2013)

NOTE:
 SECTION II COVER FOOTPRINT - 665,651 SQ. FT.




	10 Patewood Drive, Building 6, Suite 500 Greenville, SC 29615 T: (864) 234-3000 F: (864) 234-3069 www.aecom.com
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FIGURE 2
SOIL GAS LOCATION MAP -
SECTIONS IIA AND IIB

SOIL GAS MONITORING PINWOOD LANDFILL
 PINWOOD, SOUTH CAROLINA

TABLES

Table 1
Summary of Well Construction Specifications
Pinewood Landfill
Pinewood, South Carolina

Well Identification	Date Installed	Northing	Easting	Ground Surface Elevation (feet)	TOC Elevation (feet MSL)	Borehole Depth (feet bgs)	Well Depth (feet bgs)	Zone Designation	Landfill Section	Screen Length (feet)	Screen Interval (feet bgs)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)	Filter Pack Thickness (feet)	Top of Filter Pack (feet bgs)	Top of Filter Pack Elevation (feet MSL)	Bentonite Seal Thickness (feet)	Top of Bentonite Seal (feet bgs)	Top of Bentonite Seal Elevation (feet MSL)
SG-SEC1-01D	1/11/2013	675820.45	2145927.92	125.00	124.84	8.50	8.50	Deep	1	1	7.5 - 8.5	117.50	116.50	1.20	7.30	117.70	2.0	5.3	119.70
SG-SEC1-01S	1/9/2013	675817.30	2145931.99	124.91	124.69	2.65	2.65	Shallow	1	1	1.5 - 2.5	123.41	122.41	1.35	1.30	123.61	0.4	0.9	124.01
SG-SEC1-02S	1/16/2013	675973.70	2145783.11	127.57	127.35	2.67	2.67	Shallow	1	1	1.5 - 2.5	126.07	125.07	1.37	1.30	126.27	0.4	0.9	126.67
SG-SEC1-03S	1/16/2013	676183.77	2145614.24	121.21	121.01	2.67	2.67	Shallow	1	1	1.5 - 2.5	119.71	118.71	1.37	1.30	119.91	0.4	0.9	120.31
SG-SEC1-04D	1/14/2013	676259.07	2145443.96	115.42	115.29	8.67	8.67	Deep	1	1	7.5 - 8.5	107.92	106.92	1.37	7.30	108.12	2.0	5.3	110.12
SG-SEC1-04S	1/11/2013	676262.21	2145448.24	115.32	115.15	2.60	2.60	Shallow	1	1	1.5 - 2.5	113.82	112.82	1.30	1.30	114.02	0.4	0.9	114.42
SG-SEC1-05D	1/10/2013	676143.16	2145298.77	117.79	117.62	8.70	8.70	Deep	1	1	7.5 - 8.5	110.29	109.29	1.40	7.30	110.49	2.0	5.3	112.49
SG-SEC1-05S	1/10/2013	676146.44	2145302.45	117.81	117.72	2.65	2.65	Shallow	1	1	1.5 - 2.5	116.31	115.31	1.35	1.30	116.51	0.4	0.9	116.91
SG-SEC1-06D	1/10/2013	675918.25	2145035.87	116.85	116.50	8.67	8.67	Deep	1	1	7.5 - 8.5	109.35	108.35	1.57	7.10	109.75	1.8	5.3	111.55
SG-SEC1-06S	1/10/2013	675921.41	2145039.55	116.86	116.84	2.65	2.65	Shallow	1	1	1.5 - 2.5	115.36	114.36	1.35	1.30	115.56	0.4	0.9	115.96
SG-SEC1-07D	1/10/2013	675521.55	2145143.54	119.33	119.06	8.70	8.67	Deep	1	1	7.5 - 8.5	111.83	110.83	1.40	7.30	112.03	2.0	5.3	114.03
SG-SEC1-07S	1/10/2013	675525.33	2145140.15	119.38	119.30	2.67	2.67	Shallow	1	1	1.5 - 2.5	117.88	116.88	1.37	1.30	118.08	0.4	0.9	118.48
SG-SEC1-08D	1/9/2013	675284.33	2145316.02	121.47	121.26	8.80	8.65	Deep	1	1	7.5 - 8.5	113.97	112.97	1.50	7.30	114.17	2.0	5.3	116.17
SG-SEC1-08S	1/9/2013	675287.97	2145313.08	121.38	121.24	2.65	2.65	Shallow	1	1	1.5 - 2.5	119.88	118.88	1.32	1.33	120.05	0.43	0.9	120.48
SG-SEC1-09D	1/9/2013	675120.33	2145453.36	122.85	122.74	8.50	8.50	Deep	1	1	7.5 - 8.5	115.35	114.35	1.20	7.30	115.55	2.0	5.3	117.55
SG-SEC1-09S	1/9/2013	675124.19	2145450.72	122.79	122.71	2.67	2.67	Shallow	1	1	1.5 - 2.5	121.29	120.29	1.34	1.33	121.46	0.43	0.9	121.89
SG-SEC1-10D	1/9/2013	675004.04	2145541.69	123.49	123.27	8.80	8.67	Deep	1	1	7.5 - 8.5	115.99	114.99	1.50	7.30	116.19	2.0	5.3	118.19
SG-SEC1-10S	1/9/2013	675007.75	2145538.87	123.51	123.24	2.75	2.67	Shallow	1	1	1.5 - 2.5	122.01	121.01	1.42	1.33	122.18	0.43	0.9	122.61
SG-SEC1-11D	1/11/2013	674928.54	2145910.85	133.93	133.78	8.90	8.90	Deep	1	1	7.5 - 8.5	126.43	125.43	1.60	7.30	126.63	2.1	5.2	128.73
SG-SEC1-11S	1/11/2013	674931.56	2145915.14	134.08	133.93	2.65	2.65	Shallow	1	1	1.5 - 2.5	132.58	131.58	1.35	1.30	132.78	0.4	0.9	133.18
SG-SEC1-12D	1/11/2013	675073.32	2146077.60	134.67	134.37	9.00	8.67	Deep	1	1	7.5 - 8.5	127.17	126.17	1.70	7.30	127.37	2.0	5.3	129.37
SG-SEC1-12S	1/11/2013	675076.20	2146081.75	134.74	134.64	2.95	2.65	Shallow	1	1	1.5 - 2.5	133.24	132.24	1.65	1.30	133.44	0.4	0.9	133.84
SG-SEC1-13D	1/11/2013	675342.21	2146308.70	129.89	129.88	9.30	8.65	Deep	1	1	7.5 - 8.5	122.39	121.39	2.00	7.30	122.59	2.0	5.3	124.59
SG-SEC1-13S	1/11/2013	675345.64	2146305.58	129.96	129.75	2.75	2.65	Shallow	1	1	1.5 - 2.5	128.46	127.46	1.45	1.30	128.66	0.4	0.9	129.06
SG-SEC1-14D	1/11/2013	675580.42	2146115.38	123.65	123.51	9.20	8.67	Deep	1	1	7.5 - 8.5	116.15	115.15	1.90	7.30	116.35	2.0	5.3	118.35
SG-SEC1-14S	1/11/2013	675584.48	2146112.45	123.63	123.62	2.65	2.65	Shallow	1	1	1.5 - 2.5	122.13	121.13	1.35	1.30	122.33	0.4	0.9	122.73
SG-SEC1-15S	1/10/2013	675717.53	2145180.96	129.77	129.57	2.67	2.67	Shallow	1	1	1.5 - 2.5	128.27	127.27	1.37	1.30	128.47	0.4	0.9	128.87
SG-SEC1-16S	1/10/2013	675962.90	2145240.70	126.74	126.59	2.67	2.67	Shallow	1	1	1.5 - 2.5	125.24	124.24	1.37	1.30	125.44	0.4	0.9	125.84
SG-SEC1-17S	1/10/2013	676066.01	2145580.16	129.95	129.87	2.66	2.66	Shallow	1	1	1.5 - 2.5	128.45	127.45	1.36	1.30	128.65	0.4	0.9	129.05
SG-SEC1-18S	1/10/2013	675530.25	2145350.78	134.16	134.04	2.67	2.67	Shallow	1	1	1.5 - 2.5	132.66	131.66	1.37	1.30	132.86	0.4	0.9	133.26
SG-SEC1-19S	1/10/2013	675647.05	2145390.03	138.30	138.06	2.67	2.67	Shallow	1	1	1.5 - 2.5	136.80	135.80	1.37	1.30	137.00	0.4	0.9	137.40
SG-SEC1-20S	1/9/2013	675842.87	2145516.41	138.02	137.93	2.67	2.67	Shallow	1	1	1.5 - 2.5	136.52	135.52	1.37	1.30	136.72	0.4	0.9	137.12
SG-SEC1-21S	1/9/2013	675389.97	2145392.18	130.89	130.70	2.65	2.65	Shallow	1	1	1.5 - 2.5	129.39	128.39	1.32	1.33	129.56	0.43	0.9	129.99
SG-SEC1-22S	1/9/2013	675660.30	2145704.44	138.63	138.61	2.67	2.67	Shallow	1	1	1.5 - 2.5	137.13	136.13	1.37	1.30	137.33	0.4	0.9	137.73
SG-SEC1-23S	1/9/2013	675818.01	2145708.83	136.02	135.90	2.65	2.65	Shallow	1	1	1.5 - 2.5	134.52	133.52	1.35	1.30	134.72	0.4	0.9	135.12
SG-SEC1-24S	1/8/2013	675245.17	2145508.80	130.39	130.20	2.55	2.55	Shallow	1	1	1.5 - 2.5	128.89	127.89	1.25	1.30	129.09	1.0	0.3	130.09
SG-SEC1-25S	1/8/2013	675473.20	2145785.27	139.86	139.80	2.65	2.65	Shallow	1	1	1.5 - 2.5	138.36	137.36	1.35	1.30	138.56	1.0	0.3	139.56
SG-SEC1-26S	1/8/2013	675636.66	2145901.21	133.04	132.92	2.65	2.65	Shallow	1	1	1.5 - 2.5	131.54	130.54	1.35	1.30	131.74	1.0	0.3	132.74
SG-SEC1-27S	1/8/2013	675128.66	2145577.42	130.27	130.17	2.67	2.67	Shallow	1	1	1.5 - 2.5	128.77	127.77	1.35	1.32	128.95	1.0	0.32	129.95
SG-SEC1-28S	1/8/2013	675000.76	2145720.95	131.40	131.30	2.62	2.62	Shallow	1	1	1.5 - 2.5	129.90	128.90	1.30	1.32	130.08	1.0	0.3	131.08
SG-SEC1-29S	1/9/2013	675309.97	2145726.73	138.38	138.31	2.65	2.65	Shallow	1	1	1.5 - 2.5	136.88	135.88	1.35	1.30	137.08	0.4	0.9	137.48
SG-SEC1-30S	1/8/2013	675134.06	2145885.51	135.30	135.15	2.65	2.65	Shallow	1	1	1.5 - 2.5	133.80	132.80	1.35	1.30	134.00	1.0	0.3	135.00
SG-SEC1-31S	1/8/2013	675257.26	2145972.05	135.22	135.04	2.65	2.65	Shallow	1	1	1.5 - 2.5	133.72	132.72	1.32	1.30	133.92	1.0	0.3	134.92
SG-SEC1-32S	1/8/2013	675440.86	2146078.87	130.98	130.83	2.65	2.65	Shallow	1	1	1.5 - 2.5	129.48	128.48	1.35	1.30	129.68	1.0	0.3	130.68
SG-SECIIA-01S	1/21/2013	676881.67	2145397.06	144.83	144.67	2.66	2.66	Shallow	2A	1	1.5 - 2.5	143.33	142.33	1.36	1.30	143.53	0.4	0.9	143.93
SG-SECIIA-02S	1/21/2013	676772.26	2145259.90	134.91	134.85	2.67	2.67	Shallow	2A	1	1.5 - 2.5	133.41	132.41	1.37	1.30	133.61	0.4	0.9	134.01
SG-SECIIA-03D *	1/14/2013	N/A	N/A	N/A	N/A	8.66	8.66	Deep	2A	1	7.5 - 8.5	N/A	N/A	1.36	7.30	N/A	2.0	5.3	N/A
SG-SECIIA-03S	1/14/2013	676667.66	2145040.62	133.17	133.16	2.67	2.66	Shallow	2A	1	1.5 - 2.5	131.67	130.67	1.37	1.30	131.87	0.4	0.9	132.27
SG-SECIIA-03SR	1/21/2013	676668.18	2145102.78	131.46	131.34	2.67	2.67	Shallow	2A	1	1.5 - 2.5	129.96	128.96	1.37	1.30	130.16	0.4	0.9	130.56
SG-SECIIA-04D *	1/14/2013	N/A	N/A	N/A	N/A	9.00	8.67	Deep	2A	1	7.5 - 8.5	N/A	N/A	1.70	7.30	N/A	2.0	5.3	N/A
SG-SECIIA-04S	1/14/2013	676576.82	2144926.12	129.12	129.00	2.67	2.67	Shallow	2A	1	1.5 - 2.5	127.62	126.62	1.37	1.30	127.82	0.4	0.9	128.22
SG-SECIIA-04SR	1/21/2013	676544.56	2144928.02	127.92	127.58	2.67	2.67	Shallow	2A	1	1.5 - 2.5	126.42	125.42	1.37	1.30	126.62	0.4	0.9	127.02
SG-SECIIA-05D *	1/14/2013	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SG-SECIIA-05S	1/14/2013	676515.40	2144685.50	129.12	129.02	2.67	2.67	Shallow	2A	1	1.5 - 2.5	127.62	126.62	1.37	1.30	127.82	0.4	0.9	128.22
SG-SECIIA-05SR	1/21/2013	676467.42	2144700.14	125.78	125.60	2.67	2.67	Shallow	2A	1	1.5 - 2.5	124.28	123.28	1.37	1.30	124.48	0.4	0.9	124.88
SG-SECIIA-06S	1/21/2013	676440.66	2144502.29	126.18	126.03	2.67	2.67	Shallow	2A	1	1.5 - 2.5	124.68	123.68	1.37	1.30	124.88	0.4	0.9	125.28
SG-SECIIA-07S	1/21/2013	676465.15	2144290.68	127.59	127.37	2.67	2.67	Shallow	2A	1	1.5 - 2.5	126.09	125.09	1.37	1.30	126.29	0.4	0.9	126.69
SG-SECIIA-08S	1/22/2013	676551.62	2144079.76	129.95	129.74	2.67	2.67	Shallow	2A	1	1.5 - 2.5	128.45	127.45	1.37					

Table 1
Summary of Well Construction Specifications
Pinewood Landfill
Pinewood, South Carolina

Well Identification	Date Installed	Northing	Easting	Ground Surface Elevation (feet)	TOC Elevation (feet MSL)	Borehole Depth (feet bgs)	Well Depth (feet bgs)	Zone Designation	Landfill Section	Screen Length (feet)	Screen Interval (feet bgs)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)	Filter Pack Thickness (feet)	Top of Filter Pack (feet bgs)	Top of Filter Pack Elevation (feet MSL)	Bentonite Seal Thickness (feet)	Top of Bentonite Seal (feet bgs)	Top of Bentonite Seal Elevation (feet MSL)
SG-SECIIA-15S	1/15/2013	676899.45	2144774.05	152.91	152.78	2.17	2.17	Shallow	2A	1	1.0 - 2.0	151.91	150.91	1.27	0.90	152.01	0.5	0.4	152.51
SG-SECIIA-16S	1/15/2013	676846.85	2145009.65	145.47	145.44	2.16	2.16	Shallow	2A	1	1.0 - 2.0	144.47	143.47	1.26	0.90	144.57	0.5	0.4	145.07
SG-SECIIA-17S	1/15/2013	676884.73	2144322.20	152.19	152.08	2.17	2.17	Shallow	2A	1	1.0 - 2.0	151.19	150.19	1.27	0.90	151.29	0.5	0.4	151.79
SG-SECIIA-18S	1/15/2013	676815.31	2144598.31	153.06	152.91	2.16	2.16	Shallow	2A	1	1.0 - 2.0	152.06	151.06	1.26	0.90	152.16	0.5	0.4	152.66
SG-SECIIA-19S	1/15/2013	676819.75	2144822.22	148.47	148.34	2.16	2.16	Shallow	2A	1	1.0 - 2.0	147.47	146.47	1.26	0.90	147.57	0.5	0.4	148.07
SG-SECIIA-20S	1/15/2013	676796.84	2144147.47	145.81	145.69	2.16	2.16	Shallow	2A	1	1.0 - 2.0	144.81	143.81	1.26	0.90	144.91	0.5	0.6	145.21
SG-SECIIA-21S	1/15/2013	676695.95	2144203.80	143.46	143.32	2.17	2.17	Shallow	2A	1	1.0 - 2.0	142.46	141.46	1.27	0.90	142.56	0.5	0.4	143.06
SG-SECIIA-22S	1/15/2013	676672.61	2144419.34	145.11	144.95	2.16	2.16	Shallow	2A	1	1.0 - 2.0	144.11	143.11	1.26	0.90	144.21	0.5	0.4	144.71
SG-SECIIA-23S	1/15/2013	676658.44	2144691.81	141.91	141.82	2.16	2.16	Shallow	2A	1	1.0 - 2.0	140.91	139.91	1.26	0.90	141.01	0.5	0.4	141.51
SG-SECIIA-24S	1/14/2013	676632.46	2144945.81	132.12	131.97	2.17	2.17	Shallow	2A	1	1.0 - 2.0	131.12	130.12	1.27	0.90	131.22	0.5	0.4	131.72

Notes:

All wells are constructed of 2-inch inside diameter poly vinyl chloride.

bgs - Below Ground Surface

MSL - Mean Sea Level

N/A - Not Available

TOC - Top of Casing

* SG-SECIIA-03D and SG-SECIIA-04D were installed but then abandoned because of plastic material that was encountered and could have been part of the landfill liner.

SG-SECIIA-05D was drilled but not installed.

Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina

Field ID Module ID	SG-2A-01S 703285	SG-2A-02S 703284	SG-2A-03S 703283	SG-2A-03SR 703282	SG-2A-04S 703281	SG-2A-04SR 703280	SG-2A-05S 703279	SG-2A-05SR 703278	SG-2A-06S 703277	SG-2A-07S 703276	SG-2A-08S 703275
Analytes by Screening Method (µg)											
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	0.05	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	0.04	< 0.02	1.46	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	< 0.02	< 0.02	0.93	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.03	0.04	0.06	0.03	0.03	0.04	0.04	0.06	0.05	0.05	0.03
BTEX	0.03	0.04	0.06	0.03	0.03	0.04	0.04	0.06	0.05	0.05	0.03
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	0.43	< 0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	0.05	0.04	0.03	0.03
cis-1,2-Dichloroethene	< 0.02	< 0.02	0.26	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
DRPH	4.59	3.82	2.63	5.34	2.37	3.91	5.51	4.18	4.01	5.07	5.55
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	2.45	4.04	1.67	2.85	2.02	2.11	2.53	1.88	1.98	2.24	2.43
m,p-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	< 0.02	< 0.02	0.12	< 0.02	< 0.02	0.02	< 0.02	0.23	0.09	0.19	0.03
Toluene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH	6.91	7.64	4.21	8.03	4.28	5.9	7.91	5.96	5.89	7.19	7.85
trans-1,2-Dichloroethene	< 0.02	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	0.03	< 0.02	0.21	< 0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02
Tridecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina

Field ID Module ID	SG-2A-09S 703274	SG-2A-10S 703271	SG-2A-11S 703273	SG-2A-12S 703272	SG-2A-13S 703267	SG-2A-14S 703268	SG-2A-15S 703264	SG-2A-16S 703265	SG-2A-17S 703266	SG-2A-18S 703262	SG-2A-19S 703263
Analytes by Screening Method (µg)											
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	1.27	< 0.02	< 0.02	0.08	< 0.02	0.89	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	5.87	0.06	0.98	0.19	0.3	1.66	0.97
1,1-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	0.75	< 0.02	0.02	< 0.02	0.03	0.42	0.02
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	0.05	< 0.02	< 0.02	< 0.02	< 0.02	0.23	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.09	0.06	0.03	0.03	0.09	0.04	0.03	0.04	0.05	0.06	0.04
BTEX	0.09	0.06	0.03	0.03	0.09	0.04	0.03	0.04	0.05	0.06	0.04
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	13.75	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	< 0.02	< 0.02	< 0.02	< 0.02	2.23	0.09	0.03	0.04	< 0.02	0.11	< 0.02
cis-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	18.94	< 0.02	< 0.02	0.03	0.03	0.47	< 0.02
DRPH	7.95	3.58	3.87	3.54	3.79	3.99	3.7	3.84	3.48	3.71	3.4
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	3.1	2.03	2.56	1.86	2.18	2.63	2.31	2.41	1.91	2.05	1.8
m,p-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	0.03	0.03	0.03	0.03	3.74	< 0.02	0.15	0.38	0.36	1.04	1.05
Toluene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH	10.88	5.5	6.28	5.3	5.85	6.48	5.88	6.12	5.29	5.65	5.11
trans-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	0.89	< 0.02	0.04	0.02	< 0.02	0.35	< 0.02
Trichloroethene	< 0.02	0.02	< 0.02	< 0.02	20.85	< 0.02	0.02	0.05	0.16	0.51	0.05
Tridecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	< 0.2	< 0.2	< 0.2	< 0.2	2.73	< 0.2	< 0.2	< 0.2	< 0.2	0.34	< 0.2

Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina

Field ID Module ID	SG-2A-20S 703270	SG-2A-21S 703260	SG-2A-22S 703269	SG-2A-23S 703261	SG-2A-24S 703259	SG-SEC1-01D 703290	SG-SEC1-01S 703291	SG-SEC1-02S 703292	SG-SEC1-03S 703293	SG-SEC1-04D 703301	SG-SEC1-04S 703294
Analytes by Screening Method (µg)											
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	10.64	4.77	55.52	0.12	1.8	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethene	0.16	0.12	0.37	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.07	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	< 0.02	< 0.02	0.13	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.08	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.05	0.05	0.12	0.04	0.08	0.04	0.04	0.05	0.02	3.44	0.09
BTEX	0.05	0.05	0.12	0.04	0.08	0.04	0.04	0.05	0.02	3.94	0.09
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	0.36	0.06	26.19	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
cis-1,2-Dichloroethene	< 0.02	0.95	1.46	< 0.02	0.26	< 0.02	< 0.02	< 0.02	< 0.02	2.08	< 0.02
DRPH	2.7	3.41	3.39	3.61	7.43	10.06	2.45	2.7	4.56	234.46	4.75
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.16	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	1.84	2.27	2.17	2.37	2.56	13.34	1.79	1.71	2.32	58.81	2.81
m,p-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.1	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.06	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.23	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	0.06	0.13	0.51	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.51	0.03
Toluene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.18	< 0.02
TPH	4.44	5.55	5.44	5.85	9.85	22.67	4.14	4.32	6.76	290.07	7.4
trans-1,2-Dichloroethene	< 0.02	0.12	0.22	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.02	0.6	< 0.02
Trichloroethene	< 0.02	2.32	13.8	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	0.94	0.03
Tridecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.29	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.33	< 0.05
Vinyl Chloride	< 0.2	< 0.2	1.05	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina

Field ID Module ID	SG-SEC1-05D 703303	SG-SEC1-05S 703302	SG-SEC1-06D 703305	SG-SEC1-06S 703304	SG-SEC1-07D 703307	SG-SEC1-07S 703306	SG-SEC1-08D 703309	SG-SEC1-08S 703308	SG-SEC1-09D 703311	SG-SEC1-09S 703310	SG-SEC1-10D 703313
Analytes by Screening Method (µg)											
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	1.18	< 0.02	< 0.02
1,1-Dichloroethene	0.28	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.07	< 0.02	< 0.02
1,2,4-Trimethylbenzene	0.07	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	0.07	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.69	0.06	0.07	0.04	0.09	0.09	0.03	0.04	0.08	0.05	0.07
BTEX	0.98	0.06	0.07	0.04	0.14	0.09	0.03	0.04	0.14	0.05	0.07
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02
cis-1,2-Dichloroethene	20.57	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.25	< 0.02	< 0.02
DRPH	543.25	5.49	9.62	3.84	8.67	4.23	3.49	5.39	7.06	3.63	8.87
Ethylbenzene	0.04	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	25.61	2.59	11.08	2.64	5.97	2.6	1.9	2.19	2.54	2.49	5.87
m,p-Xylene	0.06	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	0.05	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02
Octane	0.38	< 0.02	0.06	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	0.71	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	2.65	< 0.02	0.76	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.06	< 0.02	< 0.02
Toluene	0.15	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02
TPH	567.46	7.95	20.09	6.33	14.31	6.69	5.29	7.46	9.46	5.99	14.41
trans-1,2-Dichloroethene	4.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02
Trichloroethene	3.05	< 0.02	1.81	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Tridecane	7.39	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	7.25	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	0.43	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.38	< 0.2	< 0.2

Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina

Field ID Module ID	SG-SEC1-10S 703312	SG-SEC1-11D 703339	SG-SEC1-11S 703338	SG-SEC1-12D 703337	SG-SEC1-12S 703334	SG-SEC1-13D 703286	SG-SEC1-13S 703287	SG-SEC1-14D 703289	SG-SEC1-14S 703288
Analytes by Screening Method (µg)									
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.05	0.12	0.05	0.06	0.06	0.06	0.03	0.04	0.06
BTEX	0.05	0.12	0.05	0.1	0.06	0.06	0.03	0.04	0.06
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
cis-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
DRPH	5.43	4.15	5.68	9.84	4.03	4.46	2.55	6.37	4.06
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	2.16	2.78	1.85	4.9	2.43	2.4	2.09	3.86	2.22
m,p-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Toluene	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH	7.48	6.78	7.43	14.48	6.33	6.73	4.53	10.02	6.16
trans-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Tridecane	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

**Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina**

Field ID Module ID	SG-SEC1-15S 703330	SG-SEC1-16S 703331	SG-SEC1-17S 703332	SG-SEC1-18S 703326	SG-SEC1-19S 703327	SG-SEC1-20S 703328	SG-SEC1-21S 703325	SG-SEC1-22S 703329	SG-SEC1-23S 703333
Analytes by Screening Method (µg)									
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03	0.05	0.08
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	4.62	< 0.02	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	3.15	1.99	25.72	73.82	14.62	1.21	2.19	0.13	34.43
1,1-Dichloroethene	0.15	0.03	0.21	2.54	0.69	0.05	0.46	< 0.02	1.83
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	0.09	0.19	0.12	0.71	15.15	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.05	0.05	0.02	0.04	0.06	0.04	0.05	0.04	0.07
BTEX	0.07	0.05	0.02	0.04	0.06	0.04	0.05	0.04	0.07
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	0.04	0.2	0.02	< 0.02	0.63	< 0.02	0.69	0.05	0.04
cis-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	6.9	5.44	0.32	0.04	0.15	47.38
DRPH	4.49	3.27	4.03	5.94	3.41	3.14	6.36	4.43	3.42
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	2.47	1.7	2.64	2.31	2.55	1.81	2.17	1.98	2.75
m,p-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	< 0.02	< 0.02	0.06	3.34	3.42	< 0.02	0.16	0.21	0.33
Toluene	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH	6.82	4.88	6.53	8.12	5.82	4.86	8.4	6.3	6.02
trans-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	1.08	0.68	0.1	0.03	< 0.02	2.93
Trichloroethene	< 0.02	< 0.02	< 0.02	8.42	4.99	2.16	0.06	< 0.02	14.87
Tridecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	< 0.2	< 0.2	< 0.2	0.46	1.05	< 0.2	< 0.2	< 0.2	0.47

**Table 2
Summary of Analytical Results
Pinewood Landfill,
Pinewood, South Carolina**

Field ID Module ID	SG-SEC1-24S 703324	SG-SEC1-25S 703322	SG-SEC1-26S 703321	SG-SEC1-27S 703314	SG-SEC1-28S 703315	SG-SEC1-29S 703323	SG-SEC1-30S 703318	SG-SEC1-31S 703319	SG-SEC1-32S 703320
Analytes by Screening Method (µg)									
1,1,1,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	0.11	< 0.02	< 0.02	73.4	< 0.02	0.7	< 0.02	< 0.02	< 0.02
1,1,2,2-Tetrachloroethane	< 0.02	< 0.02	< 0.02	0.16	< 0.02	24.68	< 0.02	< 0.02	< 0.02
1,1,2-Trichloroethane	0.04	0.03	< 0.02	3.58	< 0.02	69.18	< 0.02	< 0.02	< 0.02
1,1-Dichloroethane	26.73	6.7	21.69	17.11	0.99	45.85	39.87	53.75	13.43
1,1-Dichloroethene	2.12	0.08	0.19	24.02	< 0.02	5.53	1.37	1.5	0.67
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2-Dichlorobenzene	< 0.02	< 0.02	< 0.02	0.1	< 0.02	0.6	< 0.02	< 0.02	< 0.02
1,2-Dichloroethane	0.12	0.1	0.06	4.91	< 0.02	0.44	4.01	0.05	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.06	< 0.02	< 0.02	< 0.02
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	0.07	< 0.02	0.35	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	0.06	0.06	0.06	5.02	0.04	7.83	0.04	0.07	0.06
BTEX	0.06	0.08	0.06	10.11	0.04	8.72	0.04	0.07	0.06
Carbon Tetrachloride	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.02	< 0.02	< 0.02	0.05	< 0.02	0.79	< 0.02	< 0.02	< 0.02
Chloroform	0.62	< 0.02	< 0.02	3.89	< 0.02	12.19	0.38	0.13	< 0.02
cis-1,2-Dichloroethene	4.8	0.3	0.29	17.96	< 0.02	70.32	0.28	6.62	0.29
DRPH	3.22	4.14	4.43	10.16	3.54	6.68	3.24	3.49	5.32
Ethylbenzene	< 0.02	< 0.02	< 0.02	0.17	< 0.02	0.07	< 0.02	< 0.02	< 0.02
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
GRPH	1.88	2.68	2.59	5.63	2.18	4.51	2.27	2.62	2.59
m,p-Xylene	< 0.02	< 0.02	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl tert-butyl ether	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Naphthalene	< 0.05	< 0.05	< 0.05	0.08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.02	< 0.02	< 0.02	0.3	< 0.02	0.05	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pentadecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tetrachloroethene	0.4	< 0.02	0.04	55.88	0.02	92.02	0.12	13.71	0.06
Toluene	< 0.02	0.03	< 0.02	4.47	< 0.02	0.77	< 0.02	< 0.02	< 0.02
TPH	4.99	6.68	6.88	15.48	5.61	10.94	5.39	5.97	7.77
trans-1,2-Dichloroethene	0.37	0.05	0.05	1.38	< 0.02	4.37	< 0.02	0.4	< 0.02
Trichloroethene	1.23	0.04	< 0.02	141.63	< 0.02	126.12	0.49	5.17	0.03
Tridecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Undecane	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vinyl Chloride	0.99	< 0.2	0.83	1.56	< 0.2	3.27	0.56	0.74	< 0.2

Notes:

Bold and Shading indicate a detected concentration.

µg - micrograms

Table 3
PID Readings and Water Level Data Collected During GORE® Module Deployment and Retrieval
Pinewood Landfill
Pinewood, South Carolina

Well Identification	Date Installed	Northing	Easting	Ground Surface Elevation (feet)	TOC Elevation (feet MSL)	Well Depth (feet bgs)	GORE® Module Deployment				GORE® Module Retrieval			
							Date	Depth to water (below TOC)	PID (ppm)	Comments	Date	Depth to water (below TOC)	PID (ppm)	Comments
SG-SEC1-01D	1/11/2013	675820.446	2145927.92	125.00	124.84	8.5	3/20/2013	7.65	3.8		4/4/2013	Dry	3.0	
SG-SEC1-01S	1/9/2013	675817.299	2145931.99	124.91	124.69	2.65	3/20/2013	1.32	0.3		4/4/2013		0.2	water at the bottom of casing
SG-SEC1-02S	1/16/2013	675973.7	2145783.11	127.57	127.35	2.67	3/20/2013	0.37	0.6		4/4/2013	~1 foot below TOC	0.4	
SG-SEC1-03S	1/16/2013	676183.772	2145614.24	121.21	121.01	2.67	3/20/2013	1.66	0.4		4/4/2013	~1.5 feet below TOC	0.3	
SG-SEC1-04D	1/14/2013	676259.069	2145443.96	115.42	115.29	8.67	3/20/2013	Dry	0		4/4/2013	Dry	0.1	
SG-SEC1-04S	1/11/2013	676262.211	2145448.24	115.32	115.15	2.6	3/20/2013	1.59	0.7		4/4/2013	~1.5 feet below TOC	0.4	
SG-SEC1-05D	1/10/2013	676143.157	2145298.77	117.79	117.62	8.7	3/20/2013	Dry	0.6		4/4/2013	Dry	0.4	
SG-SEC1-05S	1/10/2013	676146.435	2145302.45	117.81	117.72	2.65	3/20/2013	1.74	0.5		4/4/2013	~2 feet below TOC	0.3	
SG-SEC1-06D	1/10/2013	675918.254	2145035.87	116.85	116.5	8.67	3/20/2013	8.32	0.6		4/4/2013	Dry	0.5	
SG-SEC1-06S	1/10/2013	675921.406	2145039.55	116.86	116.84	2.65	3/20/2013	1.09	0		4/4/2013	~1.5 feet below TOC	0.1	
SG-SEC1-07D	1/10/2013	675521.551	2145143.54	119.33	119.06	8.67	3/20/2013	8.27	0.6		4/4/2013	Dry	0.5	
SG-SEC1-07S	1/10/2013	675525.326	2145140.15	119.38	119.3	2.67	3/20/2013	2.11	0.3		4/4/2013	~1.5 feet below TOC	0.3	
SG-SEC1-08D	1/9/2013	675284.328	2145316.02	121.47	121.26	8.65	3/20/2013	Dry	0.3		4/4/2013	Dry	0.2	
SG-SEC1-08S	1/9/2013	675287.968	2145313.08	121.38	121.24	2.65	3/20/2013	Dry	0.3		4/4/2013		0.2	water at the bottom of casing
SG-SEC1-09D	1/9/2013	675120.327	2145453.36	122.85	122.74	8.5	3/20/2013	8.4	0.8		4/4/2013	Dry	0.6	
SG-SEC1-09S	1/9/2013	675124.193	2145450.72	122.79	122.71	2.67	3/20/2013	0.9	0.3		4/4/2013	~0.5 feet below TOC	0.2	
SG-SEC1-10D	1/9/2013	675004.04	2145541.69	123.49	123.27	8.67	3/20/2013	8.58	0.8		4/4/2013	Dry	0.5	
SG-SEC1-10S	1/9/2013	675007.753	2145538.87	123.51	123.24	2.67	3/20/2013	0.82	0.7		4/4/2013	~2 feet below TOC	0.6	
SG-SEC1-11D	1/11/2013	674928.543	2145910.85	133.93	133.78	8.9	3/20/2013	4.33	1		4/4/2013		0.6	water at the bottom of casing
SG-SEC1-11S	1/11/2013	674931.558	2145915.14	134.08	133.93	2.65	3/20/2013	Dry	1.4		4/4/2013		1.0	water at the bottom of casing
SG-SEC1-12D	1/11/2013	675073.324	2146077.6	134.67	134.37	8.67	3/20/2013	Dry	1.4		4/4/2013	Dry	1.2	
SG-SEC1-12S	1/11/2013	675076.195	2146081.75	134.74	134.64	2.65	3/20/2013	1.73	1.4		4/4/2013	~1.5 feet below TOC	1.1	
SG-SEC1-13D	1/11/2013	675342.205	2146308.7	129.89	129.88	8.65	3/20/2013	3.56	0.8		4/4/2013		0.5	water at the bottom of casing
SG-SEC1-13S	1/11/2013	675345.636	2146305.58	129.96	129.75	2.65	3/20/2013	1.51	0.7		4/4/2013	~1.5 feet below TOC	0.5	
SG-SEC1-14D	1/11/2013	675580.421	2146115.38	123.65	123.51	8.67	3/20/2013	Dry	1.4		4/4/2013	Dry	0.8	
SG-SEC1-14S	1/11/2013	675584.478	2146112.45	123.63	123.62	2.65	3/20/2013	1.99	0.6		4/4/2013		0.4	water at the bottom of casing
SG-SEC1-15S	1/10/2013	675717.529	2145180.96	129.77	129.57	2.67	3/20/2013	0.9	1		4/4/2013	~1 foot below TOC	0.7	
SG-SEC1-16S	1/10/2013	675962.904	2145240.7	126.74	126.59	2.67	3/20/2013	1.77	0.7		4/4/2013	~0.5 feet below TOC	0.5	
SG-SEC1-17S	1/10/2013	676066.013	2145580.16	129.95	129.87	2.66	3/20/2013	0.85	0.8		4/4/2013	~4 inches below TOC	0.2	
SG-SEC1-18S	1/10/2013	675530.25	2145350.78	134.16	134.04	2.67	3/20/2013	1.9	2.2		4/4/2013	~1.5 feet below TOC	1.7	
SG-SEC1-19S	1/10/2013	675647.046	2145390.03	138.30	138.06	2.67	3/20/2013	1.65	2.2		4/4/2013	~3 inches below TOC	1.9	
SG-SEC1-20S	1/9/2013	675842.868	2145516.41	138.02	137.93	2.67	3/20/2013	TOC	1.5		4/4/2013		1.3	water at the bottom of casing
SG-SEC1-21S	1/9/2013	675389.967	2145392.18	130.89	130.70	2.65	3/20/2013	Dry	1.2		4/4/2013	~2 feet below TOC	1.1	
SG-SEC1-22S	1/9/2013	675660.296	2145704.44	138.63	138.61	2.67	3/20/2013	Dry	1		4/4/2013	~2 feet below TOC	1.1	
SG-SEC1-23S	1/9/2013	675818.007	2145708.83	136.02	135.90	2.65	3/20/2013	1.74	3.3		4/4/2013	~1.5 feet below TOC	2.7	
SG-SEC1-24S	1/8/2013	675245.165	2145508.8	130.39	130.20	2.55	3/20/2013	1.08	0.8		4/4/2013	~1.5 feet below TOC	0.4	
SG-SEC1-25S	1/8/2013	675473.203	2145785.27	139.86	139.80	2.65	3/20/2013	0.6	0.9		4/4/2013	~0.5 feet below TOC	0.7	
SG-SEC1-26S	1/8/2013	675636.66	2145901.21	133.04	132.92	2.65	3/20/2013	TOC	1.1		4/4/2013	~1.5 feet below TOC	0.8	
SG-SEC1-27S	1/8/2013	675128.657	2145577.42	130.27	130.17	2.67	3/20/2013	2.08	19.4		4/4/2013		13.4	water at the bottom of casing
SG-SEC1-28S	1/8/2013	675000.756	2145720.95	131.40	131.30	2.62	3/20/2013	0.24	0.5		4/4/2013	~1.5 feet below TOC	0.3	
SG-SEC1-29S	1/9/2013	675309.974	2145726.73	138.38	138.31	2.65	3/20/2013	1.56	27.6		4/4/2013		23.2	water at the bottom of casing
SG-SEC1-30S	1/8/2013	675134.062	2145885.51	135.30	135.15	2.65	3/20/2013	1.19	1.2		4/4/2013	~1.5 feet below TOC	0.9	
SG-SEC1-31S	1/8/2013	675257.262	2145972.05	135.22	135.04	2.65	3/20/2013	TOC	3.4		4/4/2013	~1.5 feet below TOC	2.5	
SG-SEC1-32S	1/8/2013	675440.864	2146078.87	130.98	130.83	2.65	3/20/2013	1.6	0.8	Cap was loose	4/4/2013		0.9	water at the bottom of casing
SG-SECIIA-01S	1/21/2013	676881.667	2145397.06	144.83	144.67	2.66	3/20/2013	2.11	0.3		4/4/2013	Dry	0.2	
SG-SECIIA-02S	1/21/2013	676772.256	2145259.9	134.91	134.85	2.67	3/20/2013	1.14	0.2		4/4/2013	~1 foot below TOC	0.1	
SG-SECIIA-03S	1/14/2013	676667.657	2145040.62	133.17	133.16	2.66	3/20/2013	1.23	0.4		4/4/2013	~1 foot below TOC	0.2	

Table 3
PID Readings and Water Level Data Collected During GORE® Module Deployment and Retrieval
Pinewood Landfill
Pinewood, South Carolina

Well Identification	Date Installed	Northing	Easting	Ground Surface Elevation (feet)	TOC Elevation (feet MSL)	Well Depth (feet bgs)	GORE® Module Deployment				GORE® Module Retrieval			
							Date	Depth to water (below TOC)	PID (ppm)	Comments	Date	Depth to water (below TOC)	PID (ppm)	Comments
SG-SECIIA-03SR	1/21/2013	676668.183	2145102.78	131.46	131.34	2.67	3/20/2013	1.64	0.3		4/4/2013		0.3	water at the bottom of casing
SG-SECIIA-04S	1/14/2013	676576.82	2144926.12	129.12	129.00	2.67	3/20/2013	0.45	0.3		4/4/2013	~0.5 feet below TOC	0.2	
SG-SECIIA-04SR	1/21/2013	676544.555	2144928.02	127.92	127.58	2.67	3/19/2013	2.53	0		4/4/2013		0.1	water at the bottom of casing
SG-SECIIA-05S	1/14/2013	676515.398	2144685.5	129.12	129.02	2.67	3/19/2013	0.93	0.1		4/4/2013		0.1	water at the bottom of casing
SG-SECIIA-05SR	1/21/2013	676467.419	2144700.14	125.78	125.60	2.67	3/19/2013	1.21	0.2		4/4/2013		0.3	water at the bottom of casing
SG-SECIIA-06S	1/21/2013	676440.658	2144502.29	126.18	126.03	2.67	3/19/2013	2.53	0.2		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-07S	1/21/2013	676465.146	2144290.68	127.59	127.37	2.67	3/19/2013	2.55	0.3		4/4/2013		0.1	water at the bottom of casing
SG-SECIIA-08S	1/22/2013	676551.615	2144079.76	129.95	129.74	2.67	3/19/2013	2.55	0.2		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-09S	1/22/2013	676707.996	2143920.09	129.10	129.01	2.67	3/19/2013	2.12	0.1		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-10S	1/22/2013	676923.614	2143957.08	130.82	130.62	2.67	3/19/2013	1.4	0.3		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-11S	1/22/2013	677054.924	2143985.91	131.05	130.85	2.67	3/19/2013	1.63	0.4		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-12S	1/22/2013	677188.007	2144028.14	131.35	131.22	2.67	3/19/2013	2.56	0.3		4/4/2013		0.3	water at the bottom of casing
SG-SECIIA-13S	1/15/2013	677021.904	2144255.22	145.33	145.26	2.16	3/19/2013	1.93	3.3		4/4/2013		2.2	water at the bottom of casing
SG-SECIIA-14S	1/15/2013	676966.027	2144499.07	161.71	161.59	2.16	3/19/2013	1.95	0.4		4/4/2013		0.4	water at the bottom of casing
SG-SECIIA-15S	1/15/2013	676899.451	2144774.05	152.91	152.78	2.17	3/19/2013	1.96	0.3		4/4/2013	Dry	0.2	
SG-SECIIA-16S	1/15/2013	676846.846	2145009.65	145.47	145.44	2.16	3/19/2013	Dry	0.5		4/4/2013	Dry	0.4	
SG-SECIIA-17S	1/15/2013	676884.725	2144322.2	152.19	152.08	2.17	3/19/2013	1.94	0.3		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-18S	1/15/2013	676815.312	2144598.31	153.06	152.91	2.16	3/19/2013	Dry	0.5		4/4/2013		0.3	water at the bottom of casing
SG-SECIIA-19S	1/15/2013	676819.746	2144822.22	148.47	148.34	2.16	3/19/2013	Dry	0.4		4/4/2013	Dry	0.2	
SG-SECIIA-20S	1/15/2013	676796.84	2144147.47	145.81	145.69	2.16	3/19/2013	1.31	0.5		4/4/2013		0.4	water at the bottom of casing
SG-SECIIA-21S	1/15/2013	676695.953	2144203.8	143.46	143.32	2.17	3/19/2013	1.13	1.2		4/4/2013	~1 foot below TOC	0.6	
SG-SECIIA-22S	1/15/2013	676672.614	2144419.34	145.11	144.95	2.16	3/19/2013	1.29	3.5		4/4/2013		2.4	water at the bottom of casing
SG-SECIIA-23S	1/15/2013	676658.435	2144691.81	141.91	141.82	2.16	3/19/2013	1.3	0.3		4/4/2013		0.2	water at the bottom of casing
SG-SECIIA-24S	1/14/2013	676632.457	2144945.81	132.12	131.97	2.17	3/19/2013	1.2	0.5		4/4/2013		0.2	water at the bottom of casing

Notes:

bgs - below ground surface
MSL - Mean Sea Level
ppm - parts per million
TOC - Top of Casing

Table 4
Statistics for Detected Analytes
Pinewood Landfill
Pinewood, South Carolina

Detected Analyte	Frequency of Detection	Percentage Detected	Range of Detected Concentrations (µg)	Location of Maximum Detected Concentration
TPH	71 / 71	100%	4.14 - 567.46	SG-SEC1-05D
GRPH	71 / 71	100%	1.67 - 58.81	SG-SEC1-04D
DRPH	71 / 71	100%	2.37 - 543.25	SG-SEC1-05D
BTEX	71 / 71	100%	0.02 - 10.11	SG-SEC1-27S
Benzene	71 / 71	100%	0.02 - 7.83	SG-SEC1-29S
Tetrachloroethene	39 / 71	55%	0.02 - 92.02	SG-SEC1-29S
1,1-Dichloroethane	33 / 71	46%	0.04 - 73.82	SG-SEC1-18S
Trichloroethene	29 / 71	41%	0.02 - 141.63	SG-SEC1-27S
Chloroform	28 / 71	39%	0.02 - 26.19	SG-2A-22S
1,1-Dichloroethene	28 / 71	39%	0.02 - 24.02	SG-SEC1-27S
cis-1,2-Dichloroethene	26 / 71	37%	0.03 - 70.32	SG-SEC1-29S
trans-1,2-Dichloroethene	22 / 71	31%	0.02 - 4.37	SG-SEC1-29S
1,2-Dichloroethane	16 / 71	23%	0.05 - 15.15	SG-SEC1-19S
Vinyl Chloride	14 / 71	20%	0.34 - 3.27	SG-SEC1-29S
1,1,1-Trichloroethane	11 / 71	15%	0.03 - 73.4	SG-SEC1-27S
Toluene	9 / 71	13%	0.02 - 4.47	SG-SEC1-27S
o-Xylene	5 / 71	7%	0.02 - 0.3	SG-SEC1-27S
Ethylbenzene	5 / 71	7%	0.02 - 0.17	SG-SEC1-27S
1,1,2-Trichloroethane	5 / 71	7%	0.03 - 69.18	SG-SEC1-29S
Octane	4 / 71	6%	0.04 - 0.38	SG-SEC1-05D
Tridecane	3 / 71	4%	0.05 - 7.39	SG-SEC1-05D
m,p-Xylene	3 / 71	4%	0.06 - 0.16	SG-SEC1-27S
1,3,5-Trimethylbenzene	3 / 71	4%	0.04 - 0.08	SG-SEC1-04D
1,2,4-Trimethylbenzene	3 / 71	4%	0.04 - 0.07	SG-SEC1-04D, SG-SEC1-05D
1,1,2,2-Tetrachloroethane	3 / 71	4%	0.04 - 24.68	SG-SEC1-29S
Undecane	2 / 71	3%	3.33 - 7.25	SG-SEC1-05D
Chlorobenzene	2 / 71	3%	0.05 - 0.79	SG-SEC1-29S
1,4-Dichlorobenzene	2 / 71	3%	0.07 - 0.35	SG-SEC1-29S
1,2-Dichlorobenzene	2 / 71	3%	0.1 - 0.6	SG-SEC1-29S
Pentadecane	1 / 71	1%	0.71	SG-SEC1-05D
Naphthalene	1 / 71	1%	0.08	SG-SEC1-27S
Carbon Tetrachloride	1 / 71	1%	13.75	SG-2A-13S
1,3-Dichlorobenzene	1 / 71	1%	0.06	SG-SEC1-29S

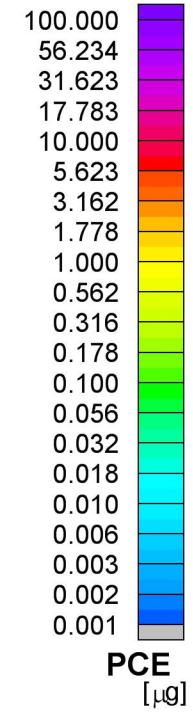
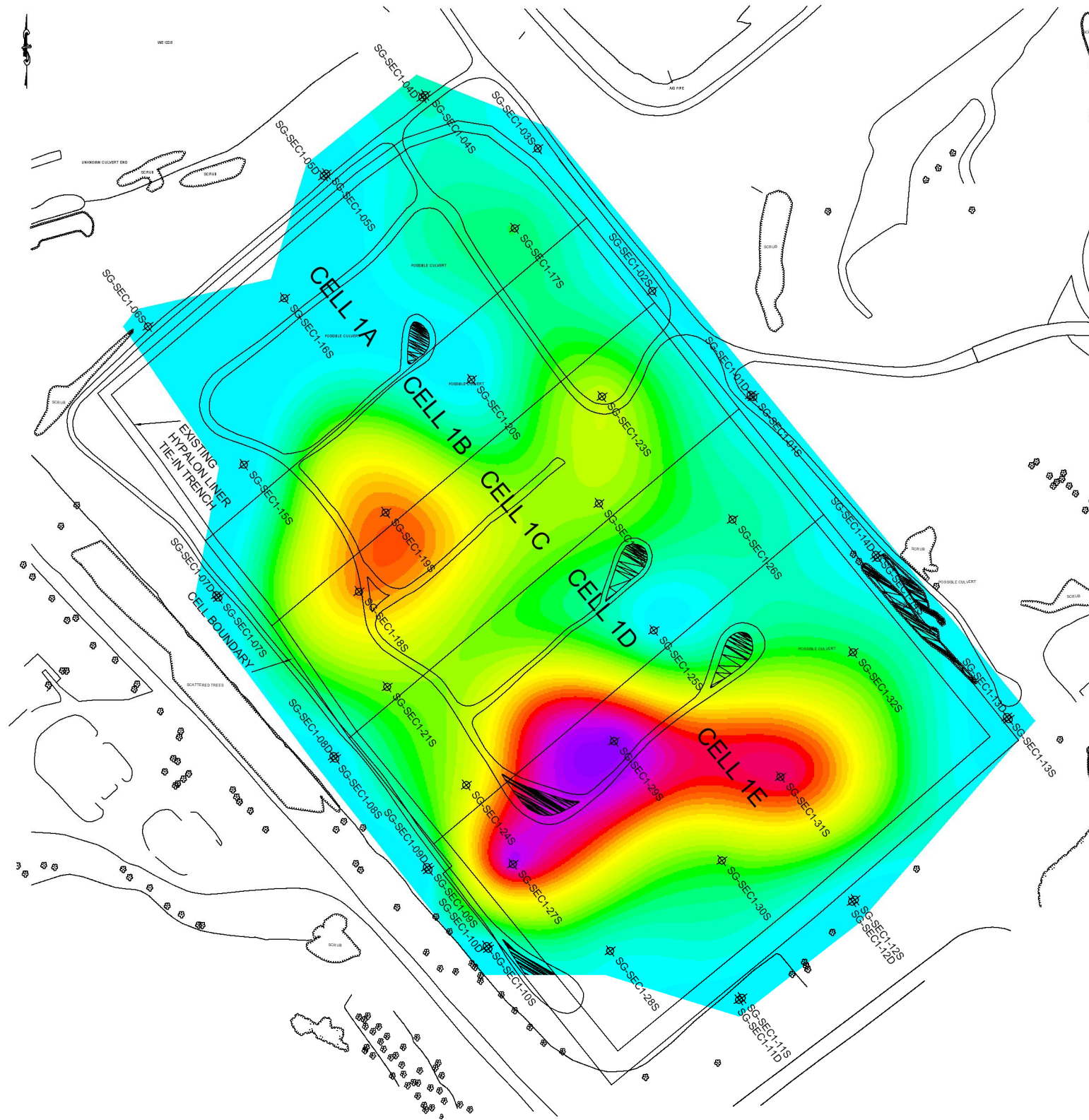
Notes:

µg - micrograms

ATTACHMENTS

ATTACHMENT A
MAPS OF SOIL GAS RESULTS

Maps of Soil Gas Results – Section I – Shallow



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Pinewood Site Custodial Trust, Pinewood, SC
Tetrachloroethene

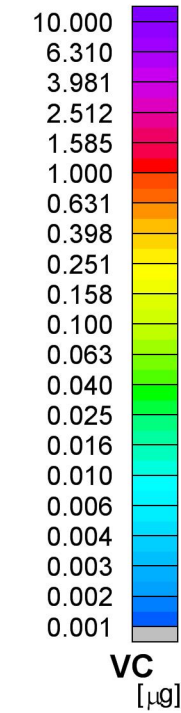
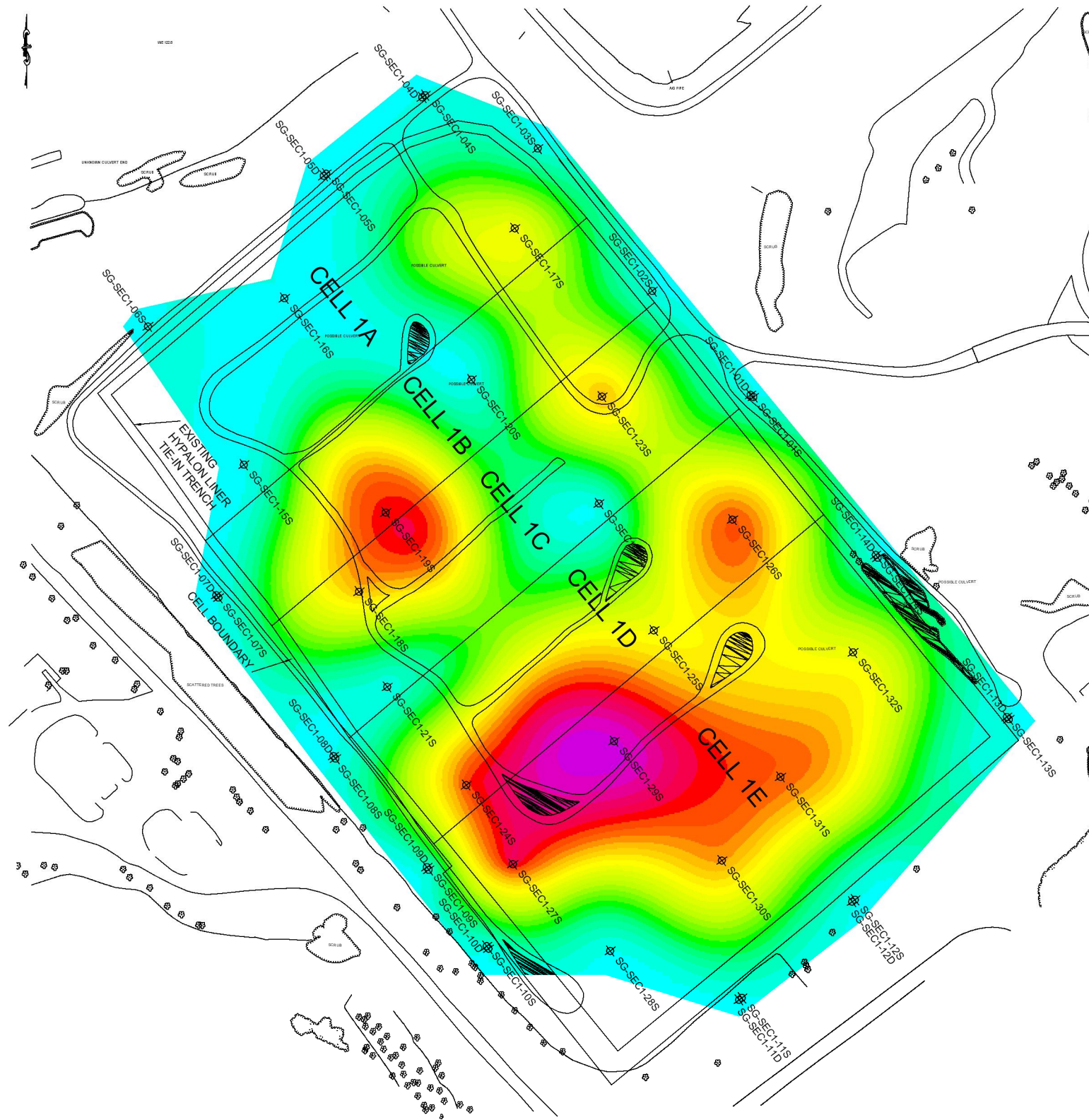
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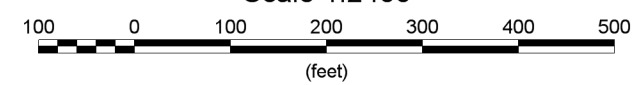
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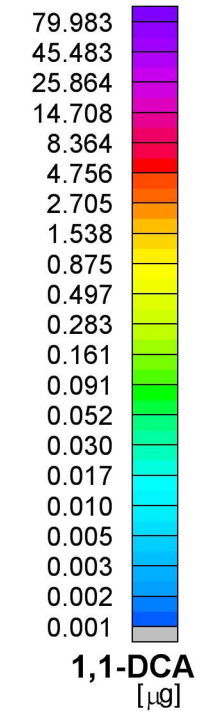
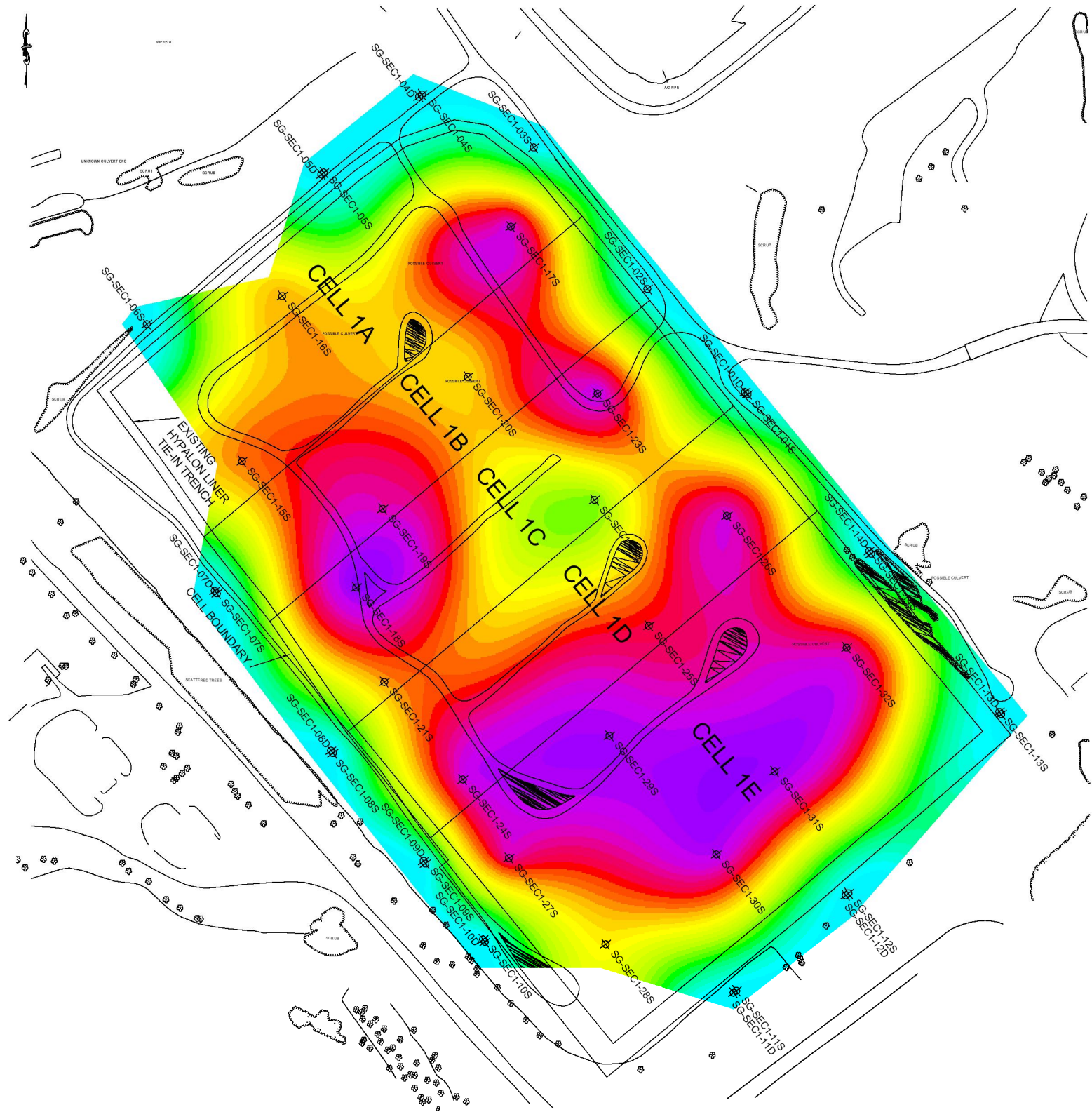
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Vinyl Chloride

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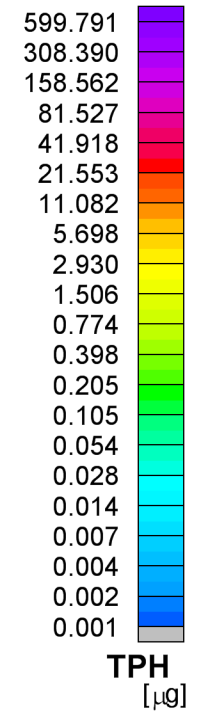
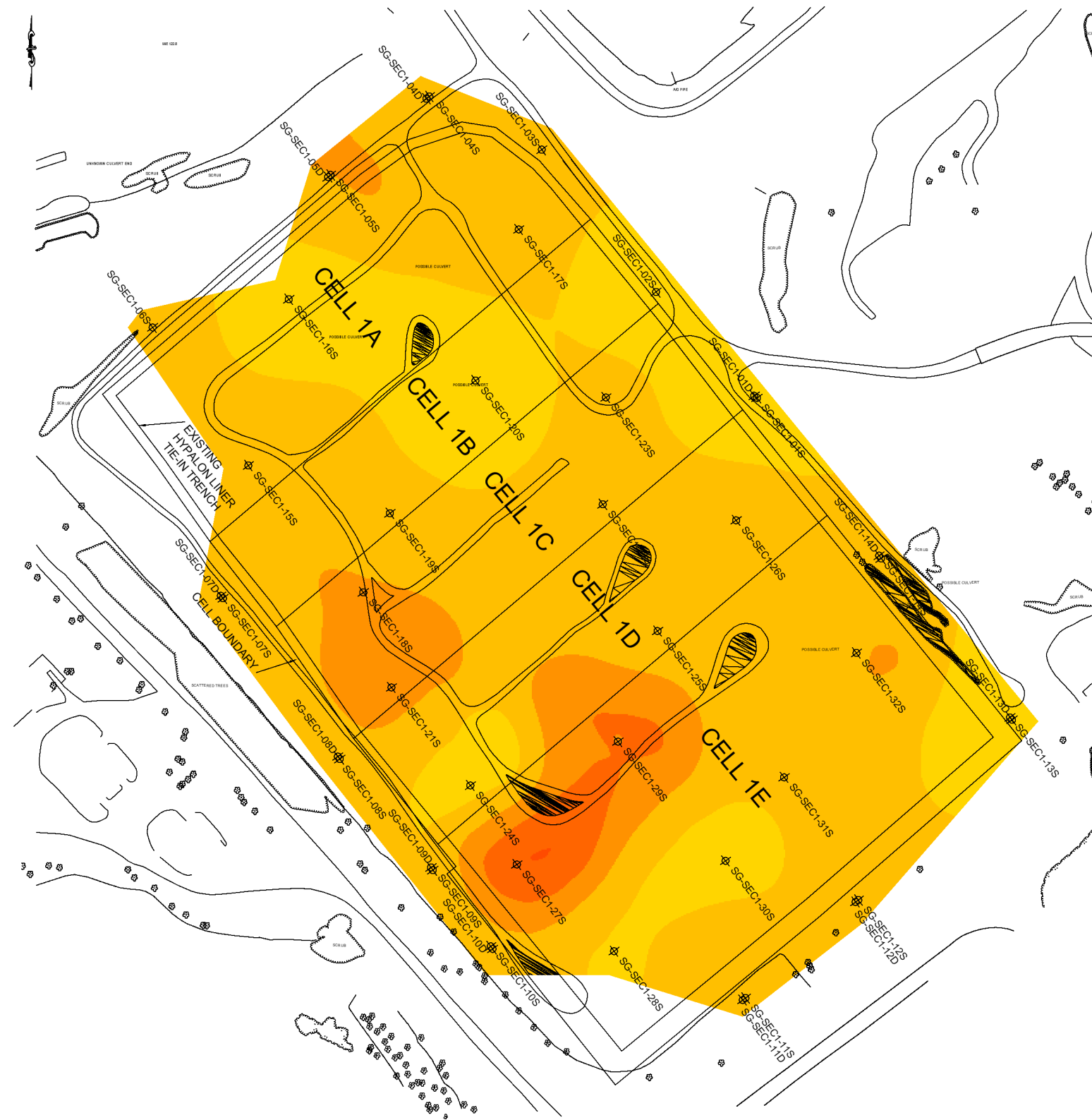
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Pinewood Site Custodial Trust, Pinewood, SC
1,1-Dichloroethane

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Total Petroleum Hydrocarbons

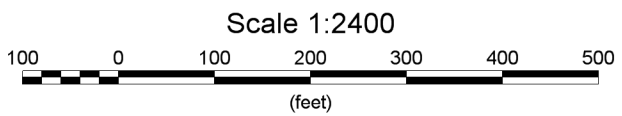
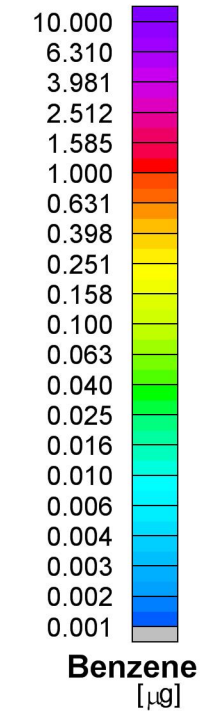
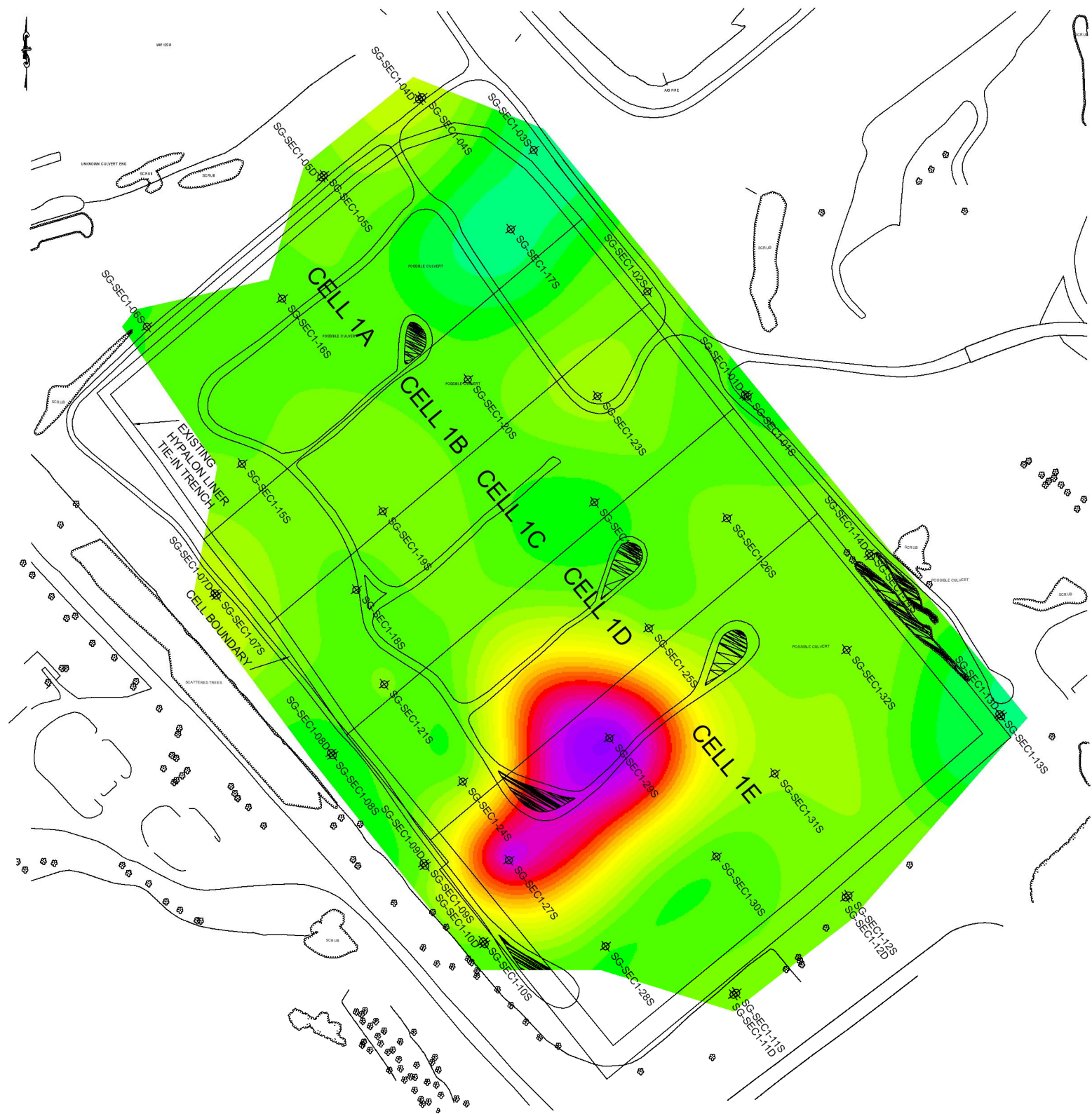
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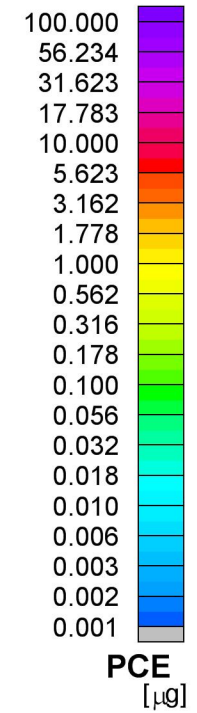
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Maps of Soil Gas Results – Section I – Deep



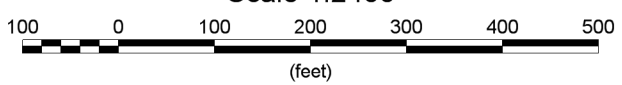
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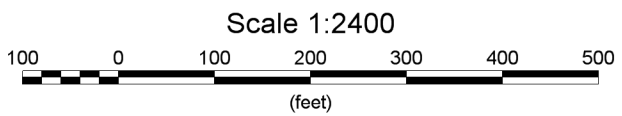
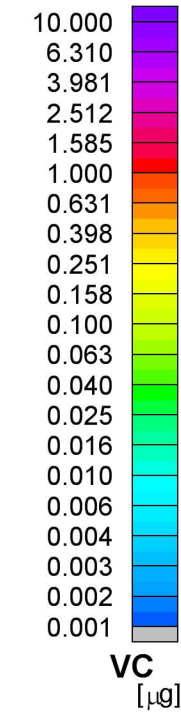
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 Pinewood Site Custodial Trust, Pinewood, SC
 Tetrachloroethene

Scale 1:2400




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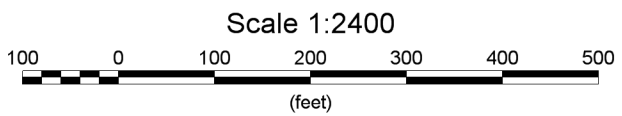
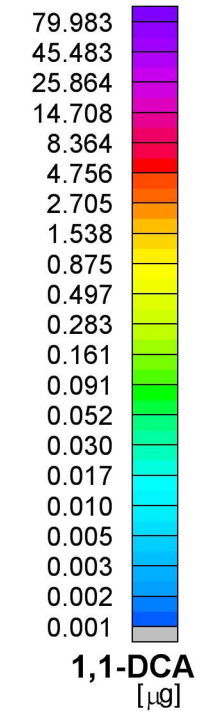
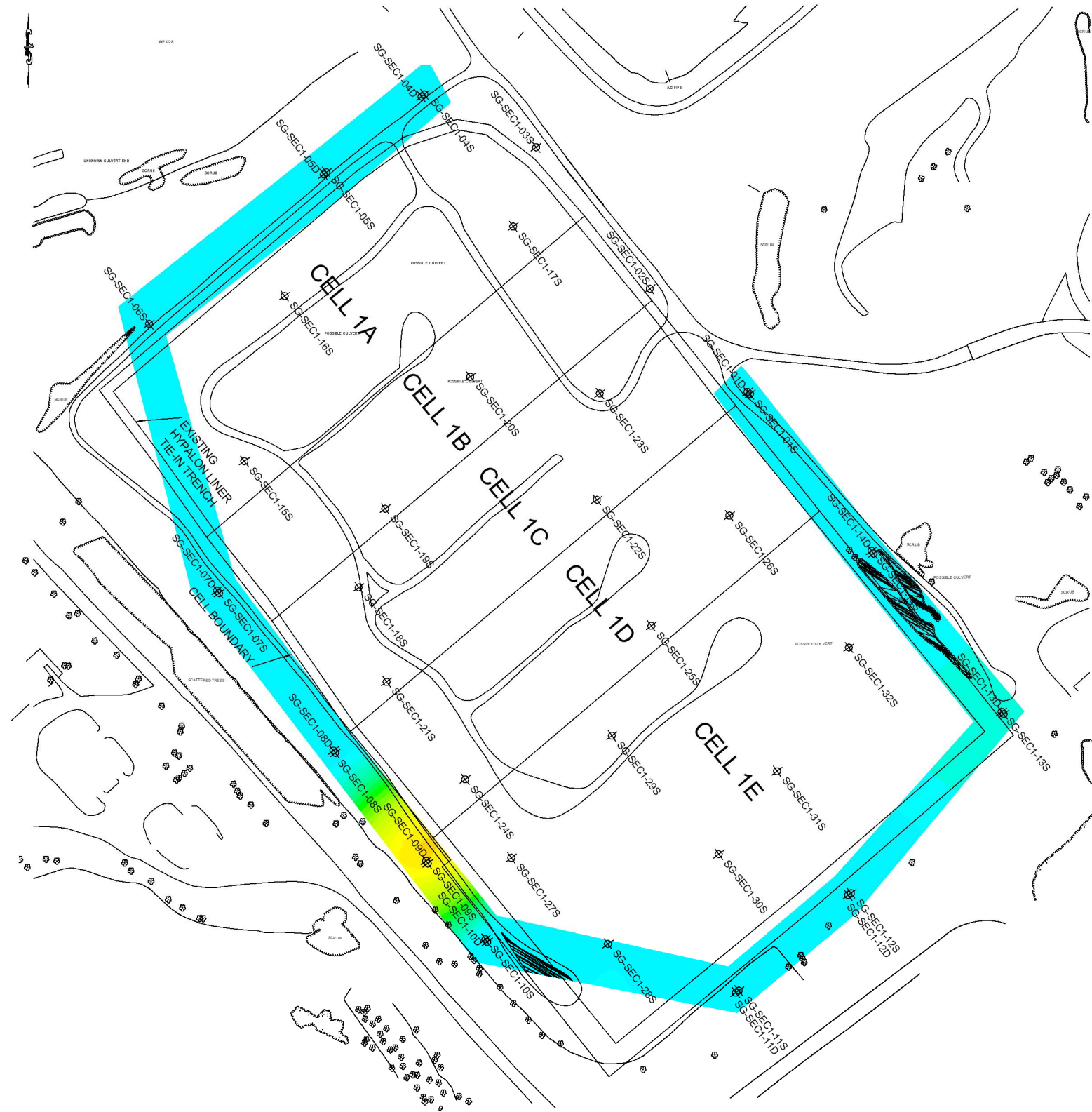
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REV. DATE:	REV. #:	PROJECT NUMBER: 22101016	




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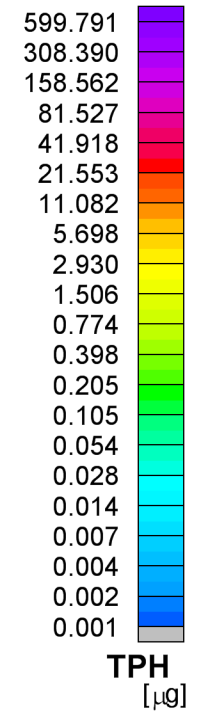
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DATE DRAWN: 14 May 2013	DRAWN BY: JH	ORIG. CAD: Soil Gas Locations... DATE CODE:
REV. DATE:	REV. #:	PROJECT NUMBER: 22101016



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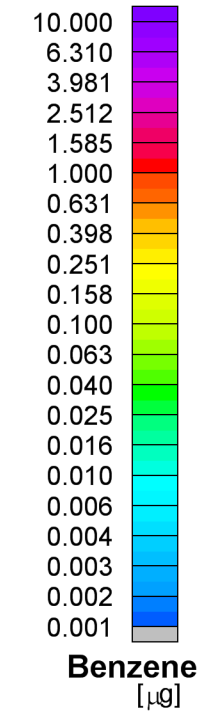
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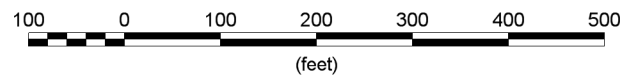


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Benzene

Scale 1:2400

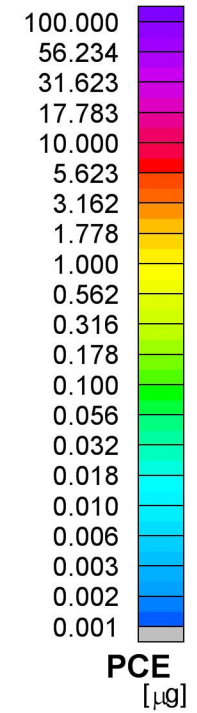
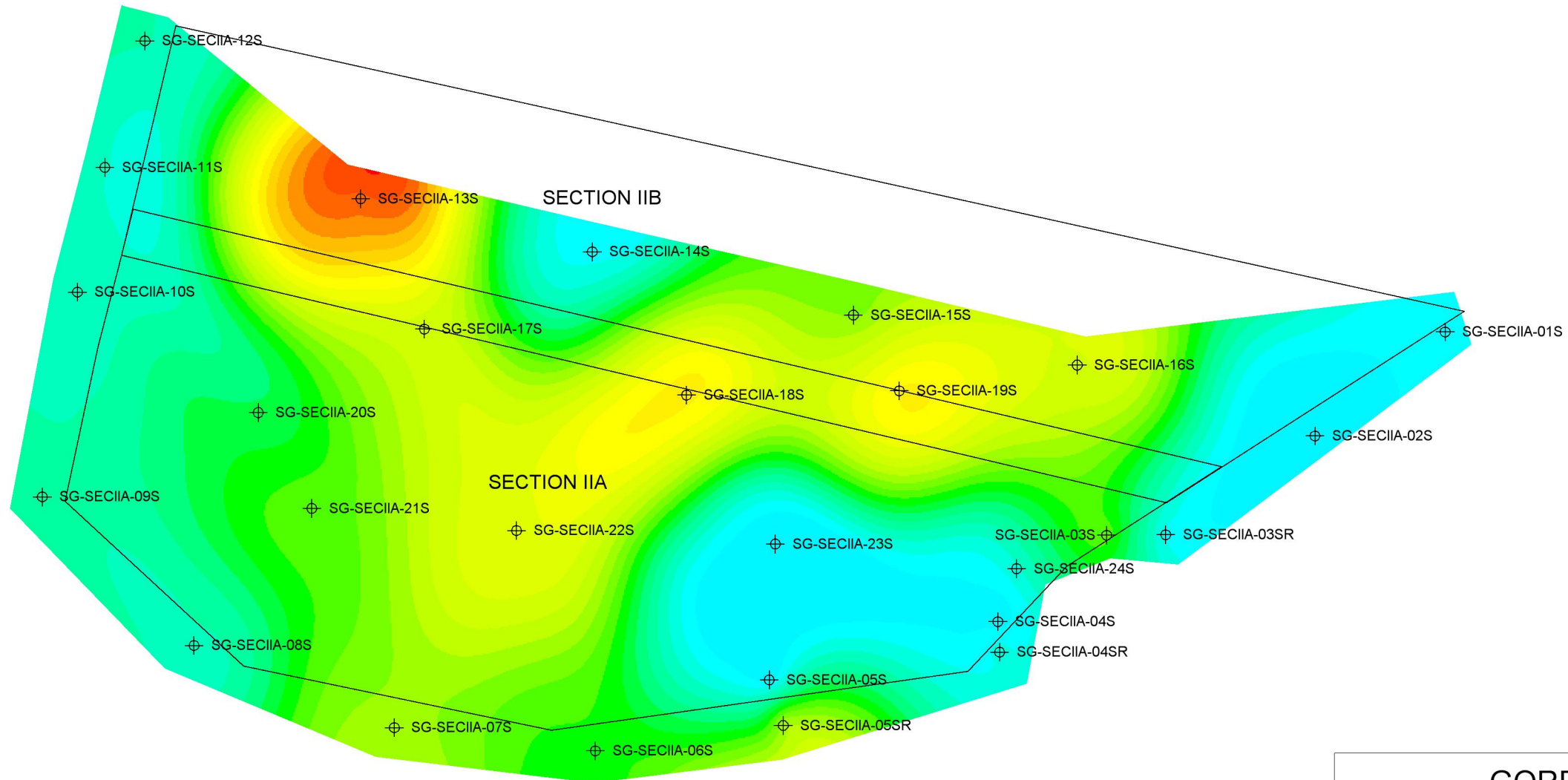
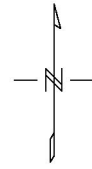


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REV. DATE:	REV. #:	PROJECT NUMBER: 22101016	

Maps of Soil Gas Results – Section IIA and IIB

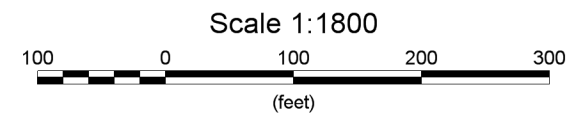


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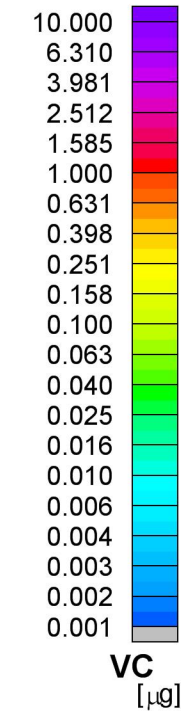
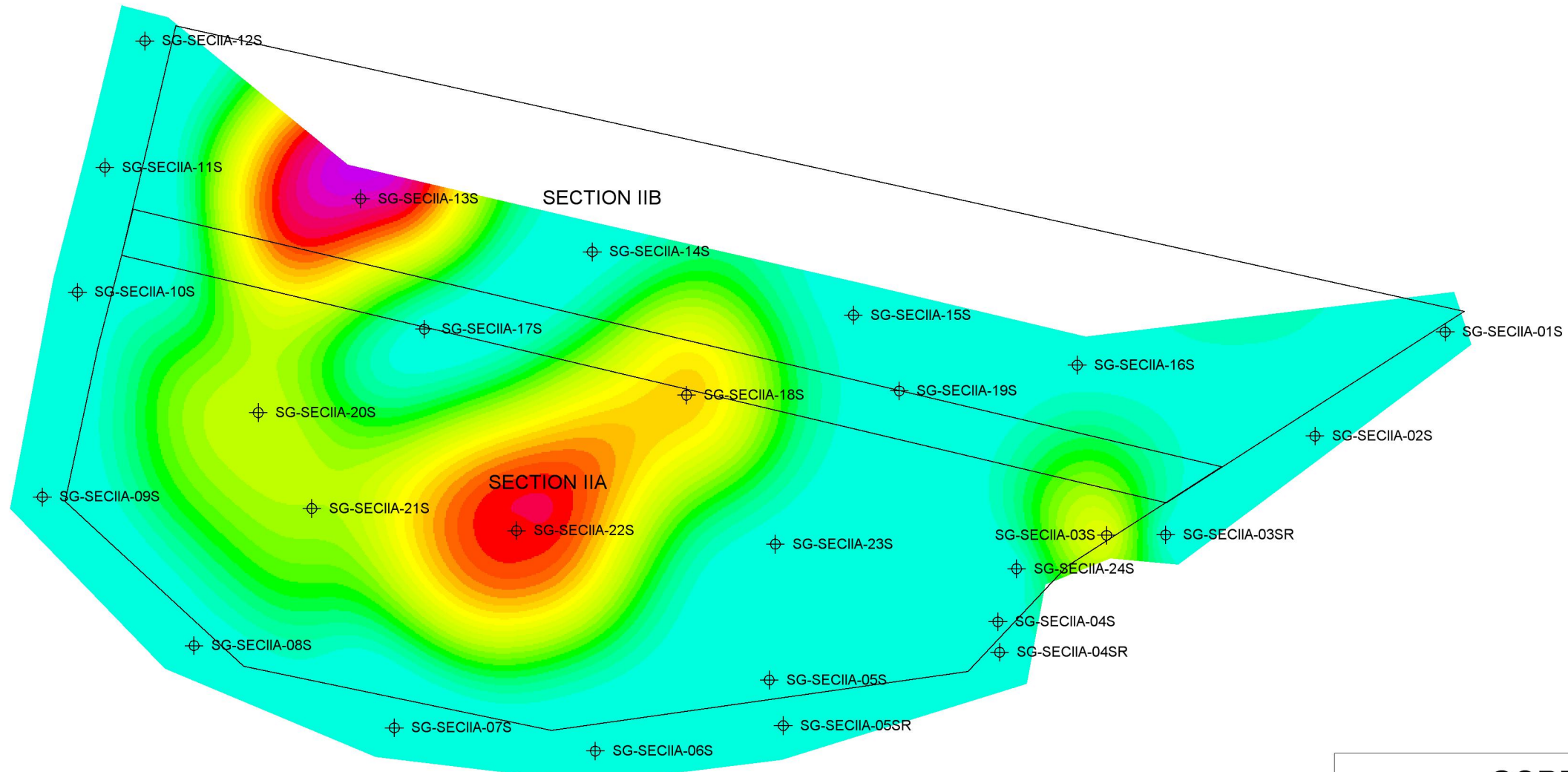
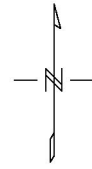
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DATE DRAWN: 14 May 2013	DRAWN BY: JH	ORIG. CAD: Section II GORE...dwg	SITE CODE:
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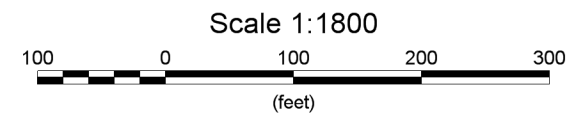


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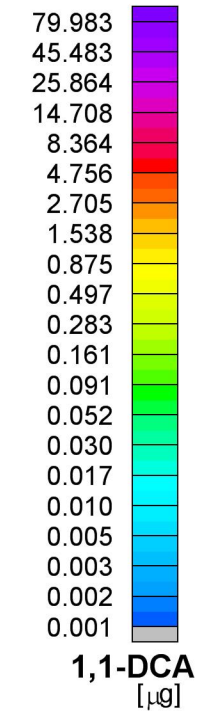
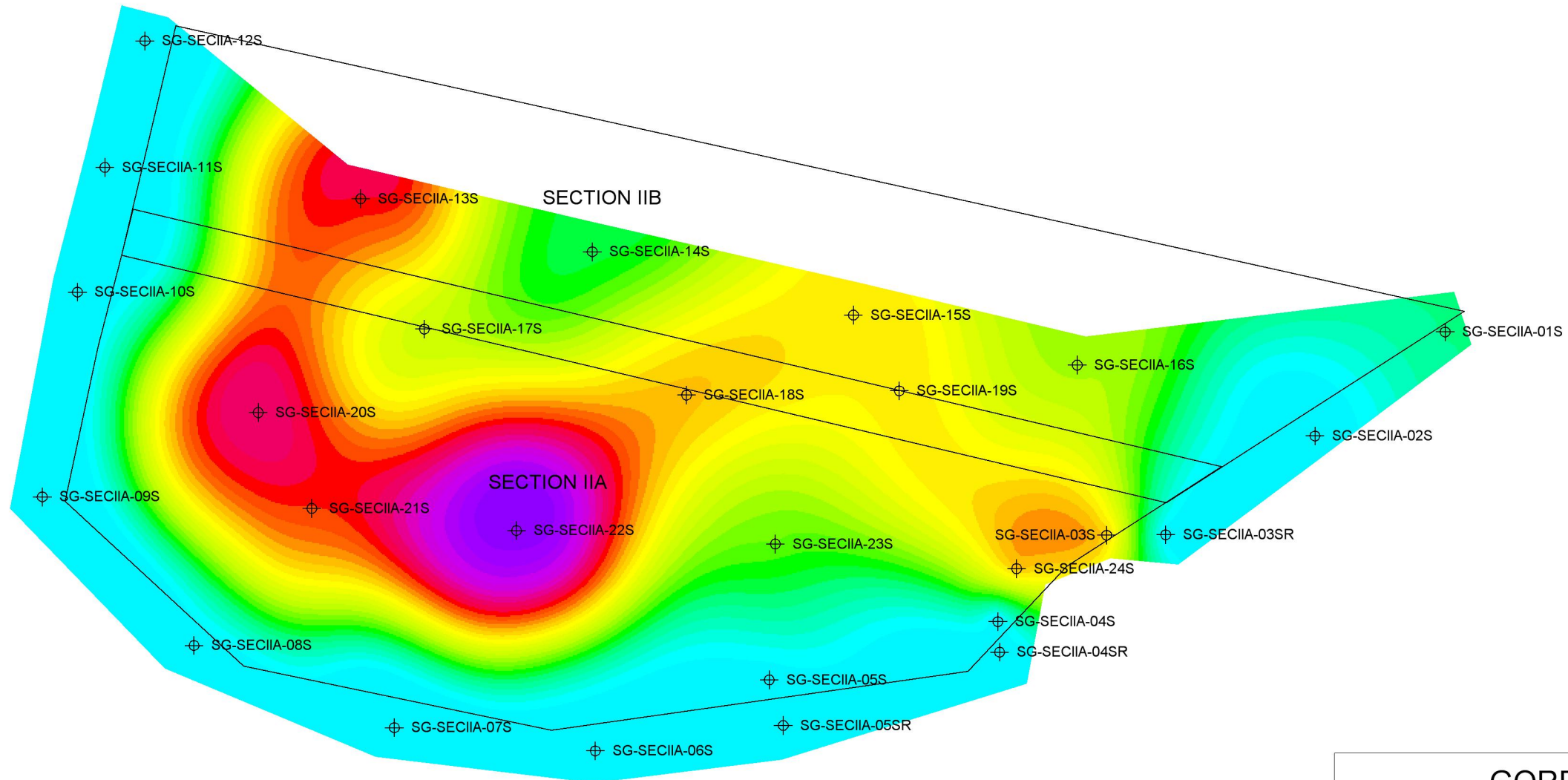
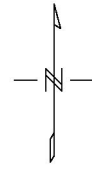
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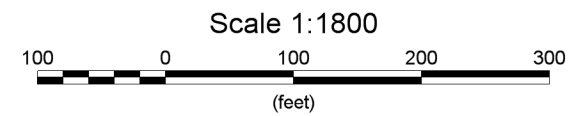
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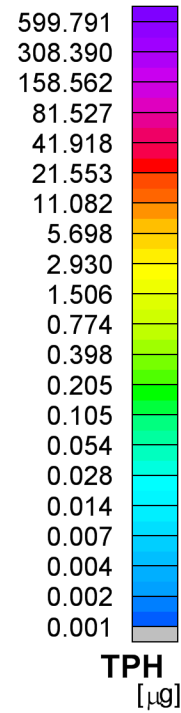
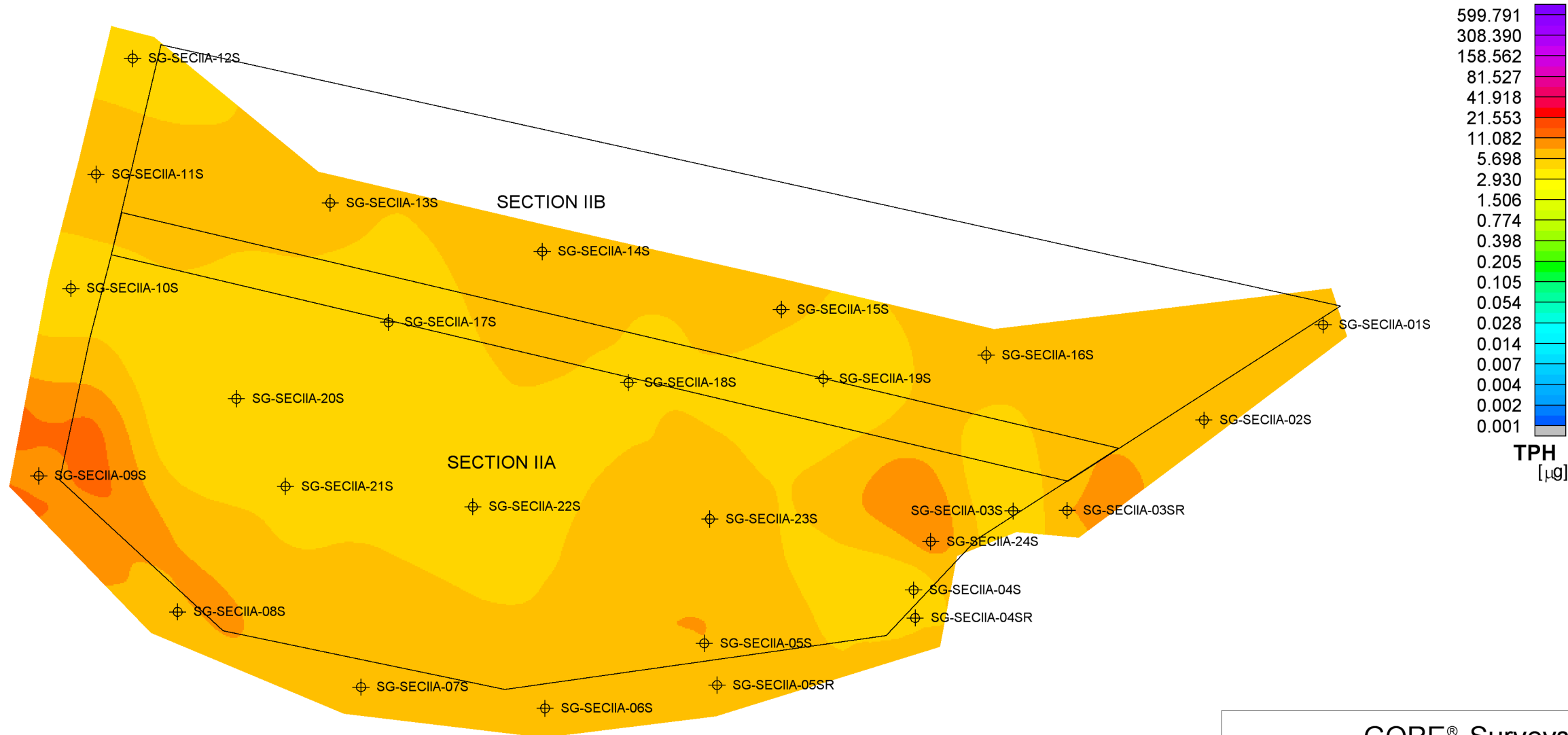
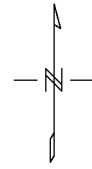
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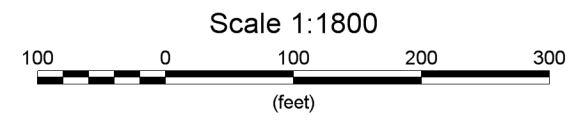


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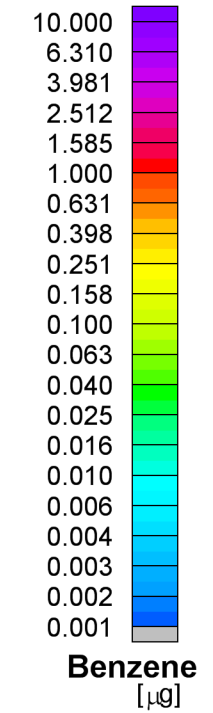
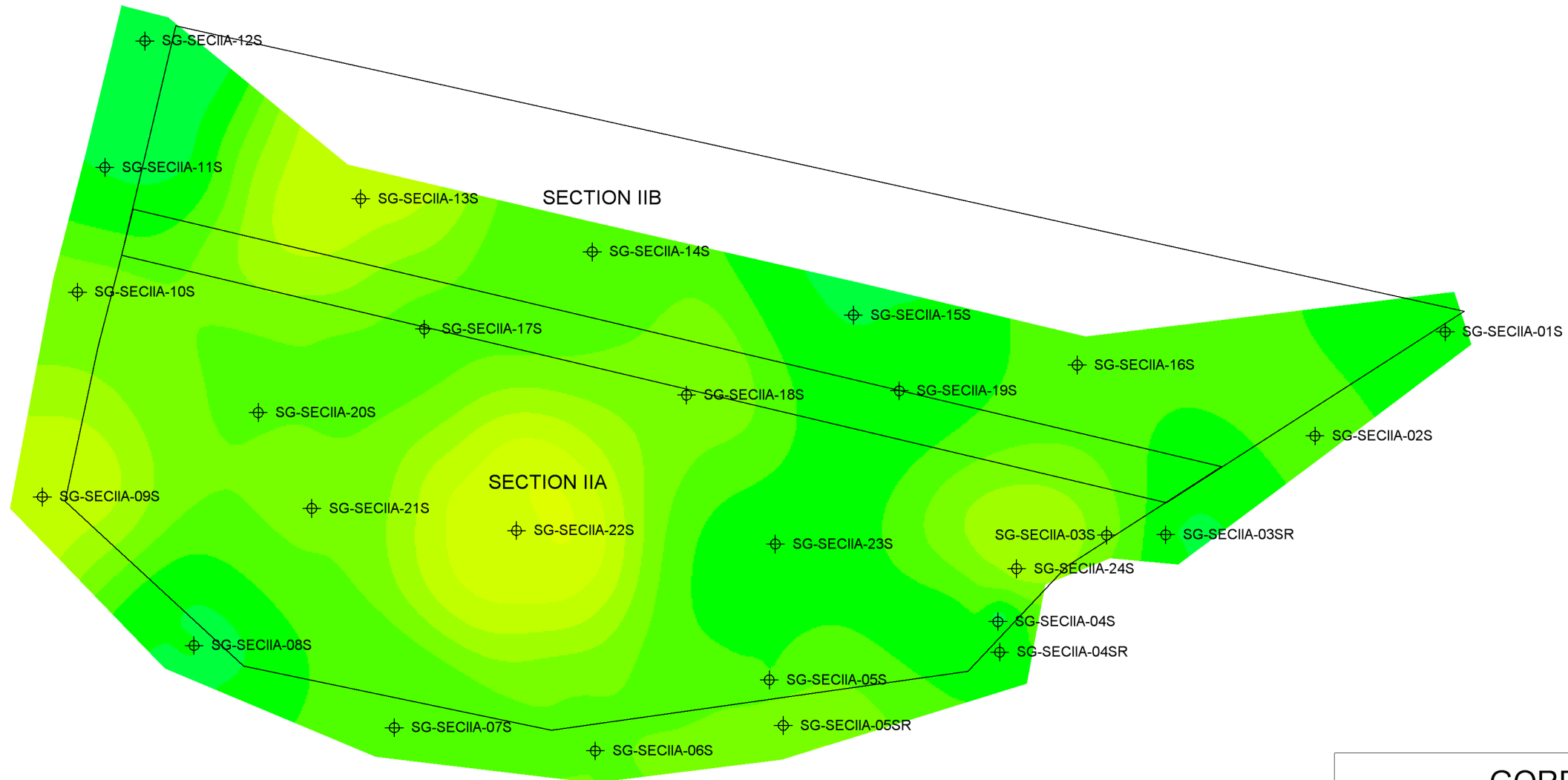
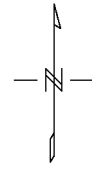
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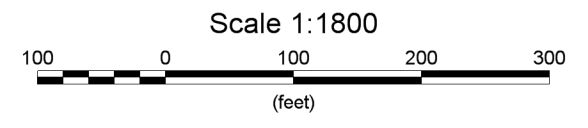


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ATTACHMENT B

**SOIL GAS MONITORING WELL ABANDONMENT AND LANDFILL COVER SYSTEM
REPAIR PROCEDURES TECHNICAL MEMORANDUM**

TECHNICAL MEMORANDUM

TO: Kestrel Horizons, LLC, as Trustee of the Pinewood Site Custodial Trust
FROM: John R. Haramut, P.G., AECOM
COPY: AECOM Project File 60271027
RE: Soil Gas Monitoring Well Abandonment and Landfill Cover System Repair Procedures Technical Memorandum
Pinewood Landfill 2013 Soil Gas Monitoring Program
Pinewood, South Carolina
AECOM Project Number 60271027
DATE: January 24, 2013

This Technical Memorandum (TM) has been prepared to supplement the draft *Soil Gas Monitoring Program Work Plan* (AECOM, January 2013) and describes procedures to abandon two deep soil gas monitoring wells and one deep soil boring (designated SG-SECIIA-03D, SG-SECIIA-04D and SG-SECIIA-05D) installed on Landfill Sections IIA and IIB that possibly penetrated the landfill cover liner. This TM also provides procedures for the permanent repair of the landfill cover system at these three borehole locations. Plastic material that could be part of the engineered landfill cover was penetrated while drilling at soil gas monitoring wells SG-SECIIA-03D, -04D, and -05D which prompted AECOM's field staff to stop drilling activities and evaluate the occurrence of these materials. Work Plan maps developed by AECOM using historical engineering design drawings provided by the Trustee incorrectly depicted the perimeter of Landfill Sections IIA and IIB. This inaccurate location of the landfill perimeter resulted in unintended drilling of three boreholes and construction of two wells through the landfill cover rather than adjacent to the landfill perimeter. *Note: This was confirmed on January 22, 2013 during overdrilling of wells SG-SECIIA-03D and SG-SECIIA-04D.*

Therefore, two deep soil gas monitoring wells SG-SECIIA-03D and SG-SECIIA-04D, and the borehole for well SG-SECIIA-05D have been abandoned using the following procedures.

Borehole Abandonment Procedure

The construction of well SG-SECII-05D was aborted before installing the well; the borehole had been advanced to a total depth of 8.5 feet below ground surface (bgs). SG-SECII-05D was abandoned by filling the borehole with a bentonite slurry grout to a depth of 2.5 feet bgs. The remaining portion of the borehole was then filled with soil to the land surface.

Soil Gas Monitoring Well Abandonment Procedures

1. Removed the flush-mount protective cover and concrete pad.
2. Overdrilled the original eight-inch borehole using 10-1/4 inch outside diameter hollow stem augers to a depth of nine feet below ground surface (0.5 feet below the bottom of the original borehole) to remove the well casing and annular materials including the filter pack, bentonite seal and concrete.
3. Backfilled the new borehole with hydrated bentonite pellets by mixing the dry pellets with potable water at the surface and free-pouring the mixture into the open boreholes from the surface.

After the boreholes were completely backfilled from the bottom to the ground surface and the bentonite hydrated in accordance with the manufacturers specifications, a marker flag was inserted into the bentonite to mark the location for the Landfill Cover System repair activities.

After over-drilling soil gas well SG-SECIA-04D, it was observed that the PVC casing had been pushed down ahead of the augers below the total depth of the auger boring at 9 feet bgs. This occurred after the second auger was attached to the drill string; the PVC well casing was observed inside the first auger flight while adding the second auger indicating that the initial overdrilling to 5 feet was successful. Apparently, the PVC casing became twisted, compacted and locked inside the first auger flight which resulted in the PVC well to be pushed downward ahead of the augers. After the augers were removed, the top of the well was measured at a depth of 6.5 feet below land surface. The PVC well materials were pulled out using rope and hydraulics on the drill rig. After measuring the length of the well materials and the depth of the 2.5 inch diameter hole resulting from pulling the well, it was determined that the well had been pushed four feet below the borehole to a total depth of 13 feet.

The smaller diameter hole from 9 to 13 feet was grouted on January 22, 2013 through a tremie pipe with Portland cement grout; the grout included approximately 6-10% bentonite. The cured grout column was measured the next day on January 23, 2013 at a depth of 8.5 feet below land surface. The remaining portion of the auger boring was abandoned as previously described.

Landfill cover system repairs will be performed by a contractor familiar with work at the Site and has previous experience supporting the Trustee. At each location, SG-SECIIA-03D, SG-SECIIA-04D, and SG-SECIIA-05D, the borehole bentonite plugs and surrounding soils (top soil and drainage blanket) will be excavated to approximately three feet below ground surface to expose the landfill plastic vapor barrier liner. Based on as-built drawings of the Landfill cover liner and vapor barrier, it is AECOM's interpretation that the plastic penetrated during drilling activities is the synthetic vapor barrier that is constructed of 20-mil polyethylene plastic; field observations did not indicate that the HDPE Landfill cover liner was penetrated or breached. The synthetic vapor barrier overlies the HDPE cover liner and is separated by compacted clay with a maximum permeability of 1×10^{-7} centimeters per second. An approximate 3 feet

by 3 feet area of the vapor barrier plastic liner will be exposed at each location so a permanent 20-mil plastic patch can be applied in accordance with patching procedures described below.

Landfill Cover System Repair Procedures

1. Patch the vapor barrier liner breach (10 ¼-inch borehole) with a new 20-mil polyethylene plastic repair patch with a minimum 6-inch overlap.
2. Seal the patch to the existing plastic liner with a non-volatile adhesive epoxy around the entire perimeter of the PVC patch.
3. Allow the epoxy at each repair patch to cure for at least 30 minutes and verify adequate bonding before placing excavated materials back into the excavation.
4. After the patch has been installed and the epoxy allowed to cure for 30 minutes, restoration will continue with the placement of the 18 to 24 inch drainage blanket (previously excavated soils) and 6-inches of new top soil obtained from a local landscape contractor.
5. Compact the backfilled materials using the excavator.
6. AECOM to inspect, repair, and provide certification of the work by a South Carolina Professional Engineer.

The drainage blanket and top soil will be placed in lifts to achieve 6-inch thick compacted soil lifts. These lifts will continue up to ground surface and the area will be graded to conform to the surrounding topography. Temporary grass seeding will be established immediately after completion of the work. Final surface restoration including seeding and fertilizing will be deferred until the spring season of 2013.

AECOM Technical Services, Inc.

John R. Haramut, P.G.
AECOM Project Manager

ATTACHMENT C
FIELD FORMS

Daily Tailgate Safety Meeting Log

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>M. Heendon</i>	Signature <i>M. Heendon</i>
Date / Time <i>1-9-13 0800</i>	Project Name & Number <i>Pinewood Soil Gas 00271027</i>
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	yes / no / NA
Communications Protocol	yes / no / NA
Washroom / Facilities Location	yes / no / NA
On-site Chemical Concerns	<input checked="" type="checkbox"/> yes / no / NA
Required PPE	yes / no / NA
Decon Procedures / IDW Mngmt	yes / no / NA
Access / Egress / Slips, Trips, & Falls	yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="checkbox"/> yes / no / NA
Heat/Cold Stress	yes / no / NA
Site Control / Work Zones / Security	yes / no / NA
New Work / Changes To Scope	yes / no / NA
Schedule	yes / no / NA
Exclusion Areas Barricades / Cones	yes / no / NA
Required Permits, Passes, Keys, etc.	yes / no / NA
Equipment Safety	yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Meredith Heendon</i>	<i>M. Heendon</i>
<i>Daniel Bergman</i>	<i>[Signature]</i>
<i>TJ Creasman</i>	<i>TJ Creasman</i>
<i>Gary Winbowen</i>	<i>G. Winbowen</i>
<i>Chuck Suddeth</i>	<i>Charles R. Suddeth</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion



Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date/Time <i>1-10-13 0750</i>	Project Name & Number <i>Pinenwood Landfill 60271027</i>
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	yes / no / NA
Communications Protocol	yes / no / NA
Washroom / Facilities Location	yes / no / NA
On-site Chemical Concerns	yes / no / NA
Required PPE	yes / no / NA
Decon Procedures / IDW Mngmt	yes / no / NA
Access / Egress / Slips, Trips, & Falls	yes / no / NA
Smoking, Eating, & Drinking	yes / no / NA
Heat/Cold Stress	yes / no / NA
Site Control / Work Zones / Security	yes / no / NA
New Work / Changes To Scope	yes / no / NA
Schedule	yes / no / NA
Exclusion Areas Barricades / Cones	yes / no / NA
Required Permits, Passes, Keys, etc.	yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Daniel Bergman</i>	<i>[Signature]</i>
<i>D. Crossman</i>	<i>[Signature]</i>
<i>Meredith Henderson</i>	<i>[Signature]</i>
<i>Gary Winborn</i>	<i>[Signature]</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1-11-13 - @ 0745</i>	Project Name & Number <i>60221027 Pinewood Soil Gas</i>
Review Topic	Reviewed Procedure, JSA/TIA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	yes / no / NA
Communications Protocol	yes / no / NA
Washroom / Facilities Location	yes / no / NA
On-site Chemical Concerns	yes / no / NA
Required PPE	yes / no / NA
Decon Procedures / IDW Mngmt	yes / no / NA
Access / Egress / Slips, Trips, & Falls	yes / no / NA
Smoking, Eating, & Drinking	yes / no / NA
Heat/Cold Stress	yes / no / NA
Site Control / Work Zones / Security	yes / no / NA
New Work / Changes To Scope	yes / no / NA
Schedule	yes / no / NA
Exclusion Areas Barricades / Cones	yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="checkbox"/> yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Daniel Bergman</i>	<i>[Signature]</i>
<i>Gary W. [unclear]</i>	<i>[Signature]</i>
<i>TJ Creasman</i>	<i>[Signature]</i>
<i>Meredith Herridon</i>	<i>[Signature]</i>

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Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1/14/13</i>	Project Name & Number
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	yes / no / NA
Emergency Action Plan & Procedures	yes / no / NA
Communications Protocol	yes / no / NA
Washroom / Facilities Location	yes / no / NA
On-site Chemical Concerns	yes / no / NA
Required PPE	yes / no / NA
Decon Procedures / IDW Mngmt	yes / no / NA
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Site Control / Work Zones / Security	yes / no / NA
New Work / Changes To Scope	yes / no / NA
Schedule	yes / no / NA
Exclusion Areas Barricades / Cones	yes / no / NA
Required Permits, Passes, Keys, etc.	yes / no / NA
Equipment Safety	yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Daniel Bergman</i>	<i>[Signature]</i>
<i>TJ Creasman</i>	<i>[Signature]</i>
<i>Gary W. [unclear]</i>	<i>[Signature]</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion



Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1/15/13</i>	Project Name & Number <i>Pinewood Soil Gas 60271027</i>
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	<input checked="" type="checkbox"/> yes / no / NA
Communications Protocol	<input checked="" type="checkbox"/> yes / no / NA
Washroom / Facilities Location	<input checked="" type="checkbox"/> yes / no / NA
On-site Chemical Concerns	<input checked="" type="checkbox"/> yes / no / NA
Required PPE	<input checked="" type="checkbox"/> yes / no / NA
Decon Procedures / IDW Mngmt	<input checked="" type="checkbox"/> yes / no / NA
Access / Egress / Slips, Trips, & Falls	<input checked="" type="checkbox"/> yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="checkbox"/> yes / no / NA
Heat/Cold Stress	yes / no / <input checked="" type="checkbox"/> NA
Site Control / Work Zones / Security	<input checked="" type="checkbox"/> yes / no / NA
New Work / Changes To Scope	<input checked="" type="checkbox"/> yes / no / NA
Schedule	<input checked="" type="checkbox"/> yes / no / NA
Exclusion Areas Barricades / Cones	<input checked="" type="checkbox"/> yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="checkbox"/> yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Sary Winstanley</i>	<i>Sary Winstanley</i>
<i>D. Creamer</i>	<i>D. Creamer</i>
<i>Daniel Bergman</i>	<i>[Signature]</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date /Time <i>1/16/13 0755</i>	Project Name & Number <i>Pinewood Soil Gas 602-71027</i>
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="radio"/> yes / no / NA
Emergency Action Plan & Procedures	<input checked="" type="radio"/> yes / no / NA
Communications Protocol	<input checked="" type="radio"/> yes / no / NA
Washroom / Facilities Location	<input checked="" type="radio"/> yes / no / NA
On-site Chemical Concerns	<input checked="" type="radio"/> yes / no / NA
Required PPE	<input checked="" type="radio"/> yes / no / NA
Decon Procedures / IDW Mngmt	<input checked="" type="radio"/> yes / no / NA
Access / Egress / Slips, Trips, & Falls	<input checked="" type="radio"/> yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="radio"/> yes / no / NA
Heat/Cold Stress	yes / no / <input checked="" type="radio"/> NA
Site Control / Work Zones / Security	<input checked="" type="radio"/> yes / no / NA
New Work / Changes To Scope	<input checked="" type="radio"/> yes / no / NA
Schedule	<input checked="" type="radio"/> yes / no / NA
Exclusion Areas Barricades / Cones	<input checked="" type="radio"/> yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="radio"/> yes / no / NA
Equipment Safety	<input checked="" type="radio"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Daniel Bergman</i>	<i>[Signature]</i>
<i>TJ Crasman</i>	<i>[Signature]</i>
<i>Gary Winbourn</i>	<i>[Signature]</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1/21/13</i>	Project Name & Number <i>Pinewood Soil Gas 60271027</i>
Review Topic	Reviewed Procedure, JSA/TIA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	<input checked="" type="checkbox"/> yes / no / NA
Communications Protocol	<input checked="" type="checkbox"/> yes / no / NA
Washroom / Facilities Location	<input checked="" type="checkbox"/> yes / no / NA
On-site Chemical Concerns	<input checked="" type="checkbox"/> yes / no / NA
Required PPE	<input checked="" type="checkbox"/> yes / no / NA
Decon Procedures / IDW Mngmt	<input checked="" type="checkbox"/> yes / no / NA
Access / Egress / Slips, Trips, & Falls	<input checked="" type="checkbox"/> yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="checkbox"/> yes / no / NA
Heat/Cold Stress	<input checked="" type="checkbox"/> yes / no / NA
Site Control / Work Zones / Security	<input checked="" type="checkbox"/> yes / no / NA
New Work / Changes To Scope	<input checked="" type="checkbox"/> yes / no / NA
Schedule	<input checked="" type="checkbox"/> yes / no / NA
Exclusion Areas Barricades / Cones	<input checked="" type="checkbox"/> yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="checkbox"/> yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Gary Winborn</i>	<i>Gary Winborn</i>
<i>Charles Storm</i>	<i>Charles Storm</i>
<i>Brian Hickey</i>	<i>Brian Hickey</i>
<i>TJ Cressman</i>	<i>TJ Cressman</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1/22/13</i>	Project Name & Number <i>Airewood Soil Gas 60271027</i>
Review Topic	Reviewed Procedure, JSA/TIA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	<input checked="" type="checkbox"/> yes / no / NA
Communications Protocol	<input checked="" type="checkbox"/> yes / no / NA
Washroom / Facilities Location	<input checked="" type="checkbox"/> yes / no / NA
On-site Chemical Concerns	<input checked="" type="checkbox"/> yes / no / NA
Required PPE	<input checked="" type="checkbox"/> yes / no / NA
Decon Procedures / IDW Mngmt	<input checked="" type="checkbox"/> yes / no / NA
Access / Egress / Slips, Trips, & Falls	<input checked="" type="checkbox"/> yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="checkbox"/> yes / no / NA
Heat/Cold Stress	yes / no / <input checked="" type="checkbox"/> NA
Site Control / Work Zones / Security	<input checked="" type="checkbox"/> yes / no / NA
New Work / Changes To Scope	<input checked="" type="checkbox"/> yes / no / NA
Schedule	<input checked="" type="checkbox"/> yes / no / NA
Exclusion Areas Barricades / Cones	<input checked="" type="checkbox"/> yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="checkbox"/> yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>Gary Winbourn</i>	<i>Gary Winbourn</i>
<i>CHARLES STORM</i>	<i>Charles Storm</i>
<i>TS Creasman</i>	<i>TCreasman</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Daily Tailgate Safety Meeting Log*

Meeting Leader <i>Chuck Suddeth</i>	Signature <i>Charles K. Suddeth</i>
Date / Time <i>1/23/13</i>	Project Name & Number <i>Pinewood Soil Gas 60271027</i>
Review Topic	Reviewed Procedure, JSA/THA, etc. (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="checkbox"/> yes / no / NA
Emergency Action Plan & Procedures	<input checked="" type="checkbox"/> yes / no / NA
Communications Protocol	<input checked="" type="checkbox"/> yes / no / NA
Washroom / Facilities Location	<input checked="" type="checkbox"/> yes / no / NA
On-site Chemical Concerns	<input checked="" type="checkbox"/> yes / no / NA
Required PPE	<input checked="" type="checkbox"/> yes / no / NA
Decon Procedures / IDW Mngmt	<input checked="" type="checkbox"/> yes / no / NA
Access / Egress / Slips, Trips, & Falls	<input checked="" type="checkbox"/> yes / no / NA
Smoking, Eating, & Drinking	<input checked="" type="checkbox"/> yes / no / NA
Heat/Cold Stress	yes / no / <input checked="" type="checkbox"/> NA
Site Control / Work Zones / Security	<input checked="" type="checkbox"/> yes / no / NA
New Work / Changes To Scope	<input checked="" type="checkbox"/> yes / no / NA
Schedule	<input checked="" type="checkbox"/> yes / no / NA
Exclusion Areas Barricades / Cones	<input checked="" type="checkbox"/> yes / no / NA
Required Permits, Passes, Keys, etc.	<input checked="" type="checkbox"/> yes / no / NA
Equipment Safety	<input checked="" type="checkbox"/> yes / no / NA
Other:	
Attendees	
Printed Name	Signature
<i>TS Creasman</i>	<i>TS Creasman</i>
<i>Charles Sloan</i>	<i>Charles Sloan</i>
<i>Gary Winkhorn</i>	<i>Gary Winkhorn</i>

*This form is to be utilized for documenting daily safety meetings and stored with project files upon completion

AECOM

Tailgate Safety Meeting Log*

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge their ability to ask questions and receipt of such briefings daily. Please provide a brief narrative of the following topics as applicable to the Project.

Meeting Leader <i>M. Herndon</i>	Signature <i>M. Herndon</i>
-------------------------------------	--------------------------------

Date/Time <i>3-19-13</i>	Project Name & Location <i>Pinewood landfill Soil Gas Monitoring</i>
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Weather Conditions <i>Sunny - Breeze</i>	Project Number <i>60271027</i>
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Topic	Discussion (Circle one)
Today's Scope of Work (All tasks)	<input checked="" type="radio"/> yes / NA
Schedule / New Work / Scope Changes	yes / NA
Reviewed Procedures, THA, etc.	yes / NA
Emergency Action Plan & Procedures	yes / NA
Communications Protocol	yes / NA
Required PPE	<input checked="" type="radio"/> yes / NA
Required Monitoring / Instruments	yes / NA
Site Control / Work Zones / Security	yes / NA
Access / Egress / Slips, Trips, & Falls	yes / NA
Smoking, Eating, & Drinking	yes / NA
Washroom / Facilities Location	yes / NA
Heat/Cold Stress	yes / NA
Exclusion Areas Barricades / Cones	yes / NA
Required Permits, Passes, Keys, etc.	yes / NA
Decon Procedures / IDW Mngmt	yes / NA
Equipment Inspections / Safety Checklists	yes / NA

Comments/Other:

Tailgate Meeting Attendees	
Printed Name	Signature
<i>Meredith Herndon</i>	<i>M. Herndon</i>
<i>Jane Cooper</i>	<i>J. Cooper</i>

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Six Questions for Success – As your final preparedness take two minutes to think through and answer these questions:

1. What are we about to do?
2. What equipment are we going to use?
3. Have I/we been trained to use this equipment?
4. Have I/we been trained to do this job?
5. How can I/we be hurt?
6. How can I/we prevent this incident?

If you and your team aren't prepared to do the assigned work, ***STOP WORK***, and take time to properly prepare.

End of Day Sign-off: Site Safety Officer Signature

No Incidents Occurred

Number of Near Misses/Observations Reported _____

All Incidents Reported to Supervisor, SH&E Manager and Reporting Line

Lessons Learned/Comments/Other:

Detector Calibration Certificates

Multi-Gas Detector Calibration Certificate



Cal Standard

		Pre Cal %	Post Cal %	Acceptable Range
Oxygen	(Fresh Air)	20.9	18.0	(20.7 - 21.2)

LEL	Lot #	Expiration	Reading %	Acceptable Range
	1372699	09/01/14	50	48 - 52

H2S	Lot #	Expiration	Reading ppm	Acceptable Range
	1372699	09/01/14	11	9 - 11

CO	Lot #	Expiration	Reading ppm	Acceptable Range
	1372699	09/01/14	50	48 - 52

CO2	Lot #	Expiration	Reading ppm	Acceptable Range
		N/A		(4500 - 5500)

VOC	Lot #	Expiration	Reading ppm	Acceptable Range
		N/A		(98 - 102)
	(100 ppm Isobutylene)		Response Factor	
			n/a	

Model	Qrae II	Pump Flow	305	Acceptable Range	290-310 cc/min
Lamp	N/A				
S/N	181-138134				

Project Name: KESTRUC Cal Date: 1-4-2013

Project #: 60271027.2 Calibrated By: Eric Olson

Signed:

Photo / Flame-Ionization Detector Calibration Certificate



Cal Standard

PID	Lot #	Expiration	Post-Cal Reading	Acceptable Range
Isobutylene	248-100-10	6-2016	100	98 - 102
100 ppm				

FID	Lot #	Expiration	Post-Cal Reading	Acceptable Range
Methane		N/A		98 - 102
100 ppm				

Pump Flow mL/min	Acceptable Range
	350 - 450

Model	MIRAGE 2K	S/N	015043
Lamp	10-6		

Project Name: KESTREL

Project #: 60271027.2/4

Calibrated By: Eric Olson

Date of Calibration: 1-7-13

Signed:

Daily Quality Control Reports

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/2/13 REPORT NUMBER 1PROJECT & LOCATION Pinewood soil gasWEATHER Clear, cool TEMPERATURE RANGE 40-50 F WIND lightPERSONNEL ON SITE C. Suddeth TIME ON SITE 7:25 hrsSUMMARY OF SITE ACTIVITIES Lay out soil-gas wells on sections 1 and 2 using GPS.
Reel Tech on-site performing utility locations.LEVEL OF HEALTH & SAFETY PROTECTION DINSTRUMENTATION USED None

CALIBRATION(S) PERFORMED _____

INSTRUMENT PROBLEMS/REMEDIES _____

SAMPLES COLLECTED* NoneSAMPLE COLLECTION METHOD(S) N/AQUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____

AECOMSIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/3/13 REPORT NUMBER 1

PROJECT & LOCATION Pinewood Soil Gas

WEATHER cloudy, cool, some rain TEMPERATURE RANGE 40-50 F WIND light

PERSONNEL ON SITE C Suddeth TIME ON SITE 7.5 hrs

SUMMARY OF SITE ACTIVITIES Lay out soil-gas wells on Section 2 using GPS. Reed-Tech on site performing utility locations

LEVEL OF HEALTH & SAFETY PROTECTION D

INSTRUMENTATION USED None

CALIBRATION(S) PERFORMED _____

INSTRUMENT PROBLEMS/REMEDIES _____

SAMPLES COLLECTED* None

SAMPLE COLLECTION METHOD(S) NA

QUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____



SIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/11/13 REPORT NUMBER 1PROJECT & LOCATION Pinewood Soil GasWEATHER clear, mild TEMPERATURE RANGE 50-70 WIND lightPERSONNEL ON SITE C. Suddeth, M. Herndon TIME ON SITE 10 hrsSUMMARY OF SITE ACTIVITIES Install soil-gas wells, check wells for waterLEVEL OF HEALTH & SAFETY PROTECTION DINSTRUMENTATION USED PID, Multi-gas DetectorCALIBRATION(S) PERFORMED ambient air and 100 ppm isobutyleneINSTRUMENT PROBLEMS/REMEDIES NoneSAMPLES COLLECTED* NoneSAMPLE COLLECTION METHOD(S) N/AQUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____

AECOMSIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/14/13 REPORT NUMBER 1

PROJECT & LOCATION Pinewood Soil Gas

WEATHER clear, warm TEMPERATURE RANGE 55-75 WIND light

PERSONNEL ON SITE C. Suddeth TIME ON SITE _____

SUMMARY OF SITE ACTIVITIES Complete section 2 soil-gas wells SG-SECTA-038, 03D, 24S, 04S, 04D, 05S, ~~Abandon boring~~ Or Discuss abandonment of boring for 05D

LEVEL OF HEALTH & SAFETY PROTECTION D

INSTRUMENTATION USED PID, Multi-Gas Detector

CALIBRATION(S) PERFORMED ambient air and 100 ppm isobutylene

INSTRUMENT PROBLEMS/REMEDIES None

SAMPLES COLLECTED* None

SAMPLE COLLECTION METHOD(S) NA

QUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____



SIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/15/13 REPORT NUMBER 1

PROJECT & LOCATION Pinewood Soil Gas

WEATHER clear, warm TEMPERATURE RANGE 60-75 WIND light

PERSONNEL ON SITE C. Suddeth TIME ON SITE 11 hrs

SUMMARY OF SITE ACTIVITIES Complete section 2 soil gas wells, locate revised section 2 wells

LEVEL OF HEALTH & SAFETY PROTECTION D

INSTRUMENTATION USED PID, Multi-Gas Detector

CALIBRATION(S) PERFORMED ambient air and 100 ppm isobut/ker

INSTRUMENT PROBLEMS/REMEDIES None

SAMPLES COLLECTED* None

SAMPLE COLLECTION METHOD(S) N/A

QUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS



SIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/16/13 REPORT NUMBER 1PROJECT & LOCATION Pinewood Soil GasWEATHER clear, warm TEMPERATURE RANGE 60-75 WIND lightPERSONNEL ON SITE C. Suddeth TIME ON SITE 10.25 hrsSUMMARY OF SITE ACTIVITIES wait for revised well locations, grouting & surface completions, check wells for water, complete final 2 section 1 wellsLEVEL OF HEALTH & SAFETY PROTECTION DINSTRUMENTATION USED PID, Multi-Gas DetectorCALIBRATION(S) PERFORMED ambient air and 100 ppm isobutyleneINSTRUMENT PROBLEMS/REMEDIES NoneSAMPLES COLLECTED* NoneSAMPLE COLLECTION METHOD(S) MAQUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____

AECOMSIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/21/13 REPORT NUMBER 1

PROJECT & LOCATION Pinewood Soil Gas

WEATHER clear, mild-cool TEMPERATURE RANGE 35-65 WIND light

PERSONNEL ON SITE C. Suddeth TIME ON SITE 10.25 hrs

SUMMARY OF SITE ACTIVITIES Lay out revised locations at section 2, complete perimeter wells SG-SEC-1A-D1's through 075.

LEVEL OF HEALTH & SAFETY PROTECTION D

INSTRUMENTATION USED PID, Multi-Gas Detector

CALIBRATION(S) PERFORMED ambient air and 100 ppm isobutylene

INSTRUMENT PROBLEMS/REMEDIES None

SAMPLES COLLECTED* None

SAMPLE COLLECTION METHOD(S) N/A

QUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____



SIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/22/13 REPORT NUMBER 1PROJECT & LOCATION Pinewood Soil GasWEATHER clear, cool TEMPERATURE RANGE 35-55 WIND lightPERSONNEL ON SITE C. Suddeth TIME ON SITE 10:5SUMMARY OF SITE ACTIVITIES Complete wells SG-SECTA-08 S through 12 S, abandon wells SG-SECTA-03D and 04D; abandon well 05D through the 205 in boreholeLEVEL OF HEALTH & SAFETY PROTECTION DINSTRUMENTATION USED PID, Multi-Gas DetectorCALIBRATION(S) PERFORMED ambient air and 100 ppm isobutyleneINSTRUMENT PROBLEMS/REMEDIES NoneSAMPLES COLLECTED* NoneSAMPLE COLLECTION METHOD(S) N/AQUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____

AECOMSIGNATURE: Charles R. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

DAILY QUALITY CONTROL REPORT

JOB NUMBER 60271027 DATE 1/23/13 REPORT NUMBER 1

PROJECT & LOCATION Pinewood Soil Gas

WEATHER clear, cold TEMPERATURE RANGE 25-50 WIND light

PERSONNEL ON SITE C. Suddeth TIME ON SITE 3.25 hrs

SUMMARY OF SITE ACTIVITIES Final abandonment of SG-SEC IFA-04D, Finish surface completions, demobilize from site

LEVEL OF HEALTH & SAFETY PROTECTION D

INSTRUMENTATION USED PID, Multi-Gas Detector

CALIBRATION(S) PERFORMED ambient air and 100 ppm isobutylene

INSTRUMENT PROBLEMS/REMEDIES None

SAMPLES COLLECTED* None

SAMPLE COLLECTION METHOD(S) N/A

QUALITY CONTROL SAMPLES* None

ADDITIONAL REMARKS _____



SIGNATURE: Charles K. Suddeth

* INDICATE SAMPLE MEDIA: GROUND WATER, SOIL OR QA/QC.

Daily Reports

PROJECT NUMBER: 60271027 DATE: 1-10-13 REPORT NUMBER: _____

PROJECT & LOCATION: Pinewood Landfill - Pinewood SC

CLIENT: Icestrel AECOM FIELD REPRESENTATIVE: M. Herndon ; C. Suddeth

SUBCONTRACTOR: AZ Drilling

SUBCONTRACTOR PERSONNEL ON SITE: G. Winbourn, T. J., D. Bergman

BRIEF SUMMARY OF WORK PERFORMED: Soil Gas Monitoring well installation
Sunny 50's @ 0830 1300 @ 100's

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0600		C. Suddeth ; M. Herndon move to site.
0730		Arrive on site - BOB
		G. Winbourn Driller # 1891-D
		Calibrate PID ; Multi gas probe
		Brief Review of Daily Activities ; Safety Brief
		1 crew will complete well pads
		1 crew cont with hitting monitoring well installation
0830		Begin Daily activities
		Sumter Transport collected Decon water from pad
0930		Sumter transport collected some soil Drums
1145		Break for lunch @ change House
1230		add'l Drums were delivered on site from DST
		cont daily well installation and completion.
1630		adjust SG-SECI-015 ; SG-SECI-01D (5 ft. towards landfill anchor trench from original position due to its close proximity to monitoring wells MW-33 and OC15.)
		Soil Gas Monitoring wells set: Completed:
		• SG-SECI-01S • SG-SECI-05D • SG-SECI-05S
		• SG-SECI-06D • SG-SECI-06S • SG-SECI-07D
		• SG-SECI-07S • SG-SECI-17S • SG-SECI-16S
		• SG-SECI-15S • SG-SECI-18S • SG-SECI-19S
		SG-SECI-01D

FIELD REPRESENTATIVES SIGNATURE: M. Herndon DATE: 1-10-13



DAILY REPORT

PROJECT NUMBER: U0271027 DATE: 1-11-13 REPORT NUMBER: _____

PROJECT & LOCATION: Pinewood Landfill - Pinewood, S

CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: M. Henderson; C. Suddeth

SUBCONTRACTOR: AZ Drilling

SUBCONTRACTOR PERSONNEL ON SITE: TJ, D. Bergman, G. Winbourn

BRIEF SUMMARY OF WORK PERFORMED: install Soil Gas Monitoring Wells
@ 0745 temp ~ 50° Foggy @ 1400 temp ~ 20° Sunny

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0600		C. Suddeth; M. Henderson arrive move to site
0730		All AECOM; AZ Drilling Staff arrive on site
		Calibrate PID: Multi Rae
0745		Daily H&S: Review of task's
0805		Begin well installation around section 1
0845		observation that the Heavy fog maybe affecting the PID
1130		Lunch Break
1215		Move back onto Section 1 to cont daily activities
		Brian Haliena from Kestrel observes activities
1530		Leave message w/ J. Haramut VM in regards to daily activities
		Wells Completed (Set):
		• SG-SECI-11D • SG-SECI-11S • SG-SECI-01D
		• SG-SECI-14S • SG-SECI-14D • SG-SECI-13S
		• SG-SECI-13D • SG-SECI-12D • SG-SECI-12S
		• SG-SECI-04S
1400		install SG-SECI-04S approx. 20 feet away from initial location by Powerpole; relocated close to OC13.
1710		EOD - AZ Drilling & AECOM

FIELD REPRESENTATIVES SIGNATURE: M. Henderson DATE: 1-11-13



DAILY REPORT

PROJECT NUMBER: 60271027 DATE: 1/11/13 REPORT NUMBER: 1 of 2

PROJECT & LOCATION: Pinewood Soil Gas

CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: C. Suddeth

SUBCONTRACTOR: AE Drilling

SUBCONTRACTOR PERSONNEL ON SITE: G. Winbourn, D. Bergman, TJ Creasman

BRIEF SUMMARY OF WORK PERFORMED: Soil-gas well installations, check wells for water

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS																																																																																																
0610	0735	Travel to Pinewood from Columbia																																																																																																
0735	0800	Sign in, Conduct Tailgate Safety Briefing, Calibrate PID & Multi-Parameter meter.																																																																																																
0800		Mr. Herndon & drillers continue installing soil-gas wells. C. Suddeth calls Di Morris to get the report for the 2010 Test Pit data sent to the site. C. Suddeth to investigate the new locations for SG-SECI-04, 03, and 02.																																																																																																
		Also assist Mr. Herndon with drilling.																																																																																																
		Check previously installed soil-gas wells for water and bail them out. (H)																																																																																																
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FIELD REPRESENTATIVES SIGNATURE: Charles K. Suddeth DATE: 1/11/13

SECI-32 S 1.6/1-16



DAILY REPORT

PROJECT NUMBER: 60271027 DATE: 1/14/13 REPORT NUMBER: 1 of 2

PROJECT & LOCATION: Pinewood Soil Gas

CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: C. Suddeth

SUBCONTRACTOR: AE Drilling

SUBCONTRACTOR PERSONNEL ON SITE: D. Bergman, G. Minbourn, T.J. Creasman

BRIEF SUMMARY OF WORK PERFORMED: Start on section 2 borings/wells

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0800	0930	Travel to site
0930	1030	Meet B. Haliena of Kestrel. Check water level in soil Gas well SG-SECI-29 S = 2.3 ft TOC. Drillers arrive at 1030.
1030	1145	Conduct tailgate safety meeting. Move to SECI-04D. Complete SECI-04D.
1145	1230	Break for lunch. Participate in a conference call with Kestrel, AECOM, and Sumter Transport. Discuss plans for revised locations for SG-SECI-02 and SECI-03. Prefer to complete a Geoprobe pilot boring to see if the liner is present. Decide to delay these while AECOM & Kestrel review how to repair the liner in case it is encountered.
1230	1710	Move to section II borings. Complete soil gas wells SG-SECTIIA-03 S, 03 D, and 24 S. C. Suddeth & B. Haliena note that SG-SECTIIA-04 is on the south side of the road and is at underground utilities. Need to move SECTII-04 north of road, but our map indicates that the Hypalon tie-in is too close. After discussion with C. Suddeth, move SECTII-04 35 feet northwest where the map indicates there is more room to avoid the liner. Complete wells SG-SECTIIA-04 S and 04 D. Then move to SG-SECTIIA-05. Complete SECTIIA-05 S.
1710		Note black plastic material on augers when pulling out the augers for boring SG-SECTII-05 D. Appears to be the top liner, based on what was seen at section 1 in 2010 Test Pits. Look down borehole with a mirror and note liner material at 3 ft. Call J. Haramut & leave a message. B. Haliena calls B. Williams

FIELD REPRESENTATIVES SIGNATURE: Charles K. Suddeth DATE: 1/14/13

DAILY REPORT

PROJECT NUMBER: 60271027 DATE: 1/15/13 REPORT NUMBER: 1 of 2

PROJECT & LOCATION: Pinewood Soil Gas

CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: C. Suddeth

SUBCONTRACTOR: AE Drilling

SUBCONTRACTOR PERSONNEL ON SITE: D. Bergam, G. Winbourn, TJ Cressman

BRIEF SUMMARY OF WORK PERFORMED: Complete section 2 soil gas wells within landfill boundary, locate alternate revised section 2 wells

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0600	0730	Travel to Pinewood
0730	0810	Meet with B. Burgess about location SG-SECTIA-05D encountering the liner yesterday. Look over the location. Agree that we should move to shallow well locations on section II so we can decide how to proceed on well pairs again.
0810	0820	Conduct Tailgate safety meeting with drillers
0820	1015	Drillers to move equipment. C. Suddeth to calibrate meters and pick the next location. Move to SG-SECTIA-20 S, 21 S, and 22 S.
1015	1038	Note high PID readings at the top of the borehole at SG-SECTIA-23 S. Top of borehole = 480 ppm. Breathing zone during drilling = 0.13 ppm. Move drillers away from borehole and upwind while the PID readjusts to < 1.0 ppm. Monitor with the PID and O-Rae while drillers construct the well. PID ranges from 0.6 ppm to 1.0 ppm during the well installation.
1038	1145	Move to SG-SECTIA-19 S and 15 S.
1145	1300	Break for lunch. Discuss borehole abandonment with drillers & Kestrel. Plan to grout SG-SECTIA-05D using a bentonite slurry.
1300	1600	Continue drilling on section II. Complete wells SG-SECTIA-16 S, 18 S, 14 S, 17 S, and 13 S. Grout boring SG-SECTIA-05 D with bentonite slurry grout to 2.5 ft, then backfill with soil to land surface.
1600	1630	Drillers finished drilling shallow wells within the section II boundary. Prepare well tags.
1630		C. Suddeth & D. Halicena look over potential revised locations for

FIELD REPRESENTATIVES SIGNATURE: Charles K. Suddeth DATE: 1/15/13

PROJECT NUMBER: 60271027 DATE: 1/16/13 REPORT NUMBER: 1 of 2
 PROJECT & LOCATION: Pinewood Soil Gas
 CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: C. Suddeth
 SUBCONTRACTOR: AE Drilling
 SUBCONTRACTOR PERSONNEL ON SITE: G. Winbourn, D. Bergman, TJ Creasman
 BRIEF SUMMARY OF WORK PERFORMED: wait for revised well locations, perform grouting & surface completions, check section 1 wells for water, complete new locations for SG-SECSA-015 and 025

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0600	0715	Travel to Pinewood
0715	0730	Calibrate meters, Review paperwork.
0730	0800	Drillers arrive. Discuss plans - Drillers to perform grouting & surface completions and well tests while we decide where to drill next. C. Suddeth conducts Tailgate safety Meeting.
0800	0900	Drillers grouting and performing surface completions. We are waiting to get the go-ahead to drill at alternate locations around the perimeter of Section II. AECOM, Kestrel, and SCDHEC are to discuss options.
0900	1130	C. Suddeth & Bi. Hafienka check wells on Section I for water and bail out the ones that have water.
1130	1145	Break for lunch
1145	1300	Continue checking shallow wells on Section I for water
1300	1400	Talk to J. Harman <ul style="list-style-type: none"> • Updating maps so hold of any Section II wells • Move to SG-SECI-025 and 035 at their revised locations. • Probably shallow wells moving forward. • Utility locations may be needed at revised section II locations
1400	1530	Move rig to new location of SG-SECI-025, Complete SECI-025 and SECI-035. Note saturated soils at SECI-025. Hole is getting standing water in it. This has not happened at the other boreholes. C. Suddeth decides to install PVC, sand, and bentonite seal but to not install the grout and vault in case we decide to abandon it.

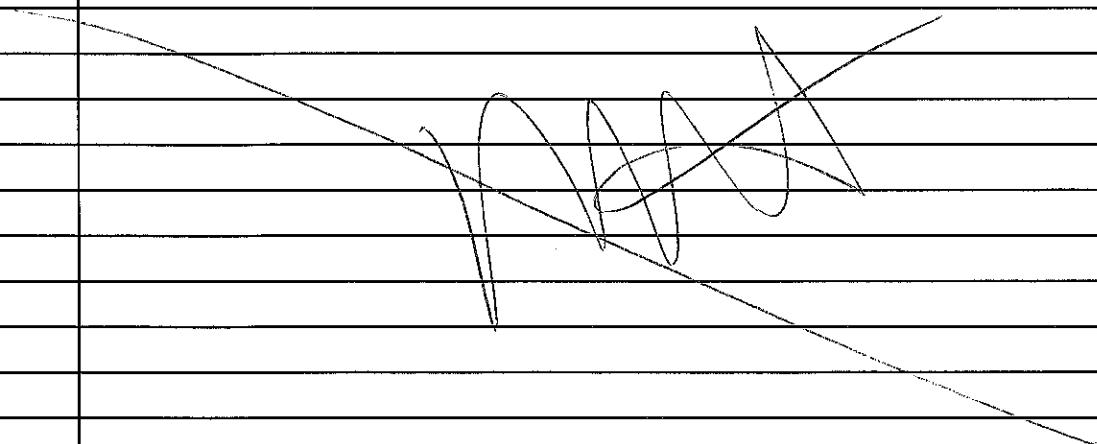
FIELD REPRESENTATIVES SIGNATURE: Charles K. Suddeth DATE: 1/16/13

PROJECT NUMBER: 60271027 DATE: 1/22/13 REPORT NUMBER: 1 of 2
 PROJECT & LOCATION: Pinewood Soil Gas
 CLIENT: Kestrel AECOM FIELD REPRESENTATIVE: C. Suddeth
 SUBCONTRACTOR: AE Drilling
 SUBCONTRACTOR PERSONNEL ON SITE: G. Winkbura, T.J. Crossman, C. Sloan
 BRIEF SUMMARY OF WORK PERFORMED: Complete wells SG-SECTIA-085 through 125, Abandon wells SECTIA-03D and 04D, Abandon 05D through the 2.5" borehole

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
0615	0730	Travel to Pinewood
0730	0830	Meet drillers, conduct Tailgate safety Meeting, discuss work, Calibrate meters, move to location SG-SECTIA-085.
0830	1130	begin shallow soil gas well installations, complete wells SG-SECTIA-085 through SG-SECTIA-125, Finish drilling SG-SECTIA-125 at 1110. Continue accounting and surface completions.
1130	1230	Break for lunch
1230	1300	Move rig to SG-SECTIA-03D, Get phone call from J. Haramut that we will only abandon the two deep wells that went through the liner, SG-SECTIA-03D and 04D. Drillers already broke the surface completion for 035 but C. Suddeth stopped them. Inspect 035 and the well is OK, so plan to install a new vault.
1300		begin abandon SG-SECTIA-03D by overdrilling with 6.25" ID augers PID reading at top of well = PID readings in breathing zone = 0.2 ppm, 0.1 ppm, 0.3 ppm, 0.2 ppm, 0.1 ppm PID Auger @ 3.5' = 1.6 ppm Observe small pieces of liner at 5 ft. (Note augers at 5' when liners seen in cuttings). PID = 0.1 - 0.5 ppm
1400	1432	At 9 ft bks. Pull augers back and remove top auger. Note ≈ 1.5 ft of PVC casing up into the top auger. Cut this PVC. Remove remain PVC materials as the auger is removed.
1432	1500	Note hole depth = 7.5 ft. Therefore, ≈ 1.5 ft of cuttings fell into the hole. Discuss this with Kestrel & J. Haramut. Measure liner material at 5 ft. Plan to backfill with hydrated bentonite.
1500	1528	Move rig to SG-SECTIA-04D. Measure headspace = 14.7 ppm Measure depth to make sure we are on the correct well.
1528	1600	Over-Drill at well SG-SECTIA-04D. PID readings in breathing zone = 0.2 ppm, 0.4 ppm, 0.7 ppm, 0.4 ppm Note pieces of liner when augers at 3-4 ft. Note that PVC casing is visible at land surface when disconnected from 1st auger to install the next auger

FIELD REPRESENTATIVES SIGNATURE: Charles K. Suddeth DATE: 1/22/13

PROJECT NUMBER: 60271027 DATE: 3-19-13 REPORT NUMBER: _____
 PROJECT & LOCATION: Pinewood Landfill - Soil Gas
 CLIENT: Kestrel Horizon AECOM FIELD REPRESENTATIVE: M. Herndon / J. Leaphart
 SUBCONTRACTOR: - A&E Drilling - well pad redevelopment
 SUBCONTRACTOR PERSONNEL ON SITE: _____
 BRIEF SUMMARY OF WORK PERFORMED: Deploy GORE Modules

START TIME	STOP TIME	DESCRIPTION OF ACTIVITIES: REMARKS
1200		Meet @ AECOM Columbia, SC go over daily activities
1215		Map to Pinewood Landfill
1350		Arrive on site - prep for daily activities Cal. PID Fresh Air = 2680
1400		Speak w/ A&E Drilling about pad redevelopment they have opened wells on Section 1. we have decided to start on Section 11A:B since the wells ^{have} NOT recently been opened. - Set shallow wells with top of GORE ~ 1.5 ft btoC - Set Deep wells with top of GORE ~ 7.5 ft btoC
1730		EOD - dispose of purge water in black drum by entrance of site off to the left ^{right} coming from main office. Complete 18 GORE Deployments on Section 11A:B.
		

FIELD REPRESENTATIVES SIGNATURE: M. Herndon DATE: 3-19-13

PROJECT NUMBER: Pinewood Landfill DATE: 4/4/13 REPORT NUMBER: _____

PROJECT & LOCATION: Pinewood, SC

CLIENT: KESTRAL HORIZON AECOM FIELD REPRESENTATIVE: James Langhans

SUBCONTRACTOR: HA

SUBCONTRACTOR PERSONNEL ON SITE: HA

BRIEF SUMMARY OF WORK PERFORMED: Remove Core Modules
Cont. Ramp

START TIME	STOP TIME	SEC II	DESCRIPTION OF ACTIVITIES: REMARKS
0650	0805	TRAVEL TO SITE	
		LOCATION	PID
		245	0.2
		215	0.6
		235	0.2
		185	0.3
		195	0.2
		155	0.2
		165	0.4
		175	0.2
		135	2.2
		145	0.4
		225	2.4
		205	0.4
		105	0.2
		125	0.3
		115	0.2
		95	0.2
		85	0.2
		75	0.1
		65	0.2
		55R	0.3
		55	0.1
		45R	0.1
		45	0.2
		35R	0.3
		35	0.2
		25	0.1
		15	0.2

FIELD REPRESENTATIVES SIGNATURE: [Signature] DATE: 4/4/13

PROJECT NUMBER: Pinewood Landfill DATE: 4/24/13 REPORT NUMBER: _____

PROJECT & LOCATION: Pinewood Landfill

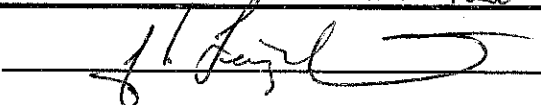
CLIENT: KESTER HORIZON AECOM FIELD REPRESENTATIVE: James Leighton

SUBCONTRACTOR: NA

SUBCONTRACTOR PERSONNEL ON SITE: NA

BRIEF SUMMARY OF WORK PERFORMED: Recover CORE modules

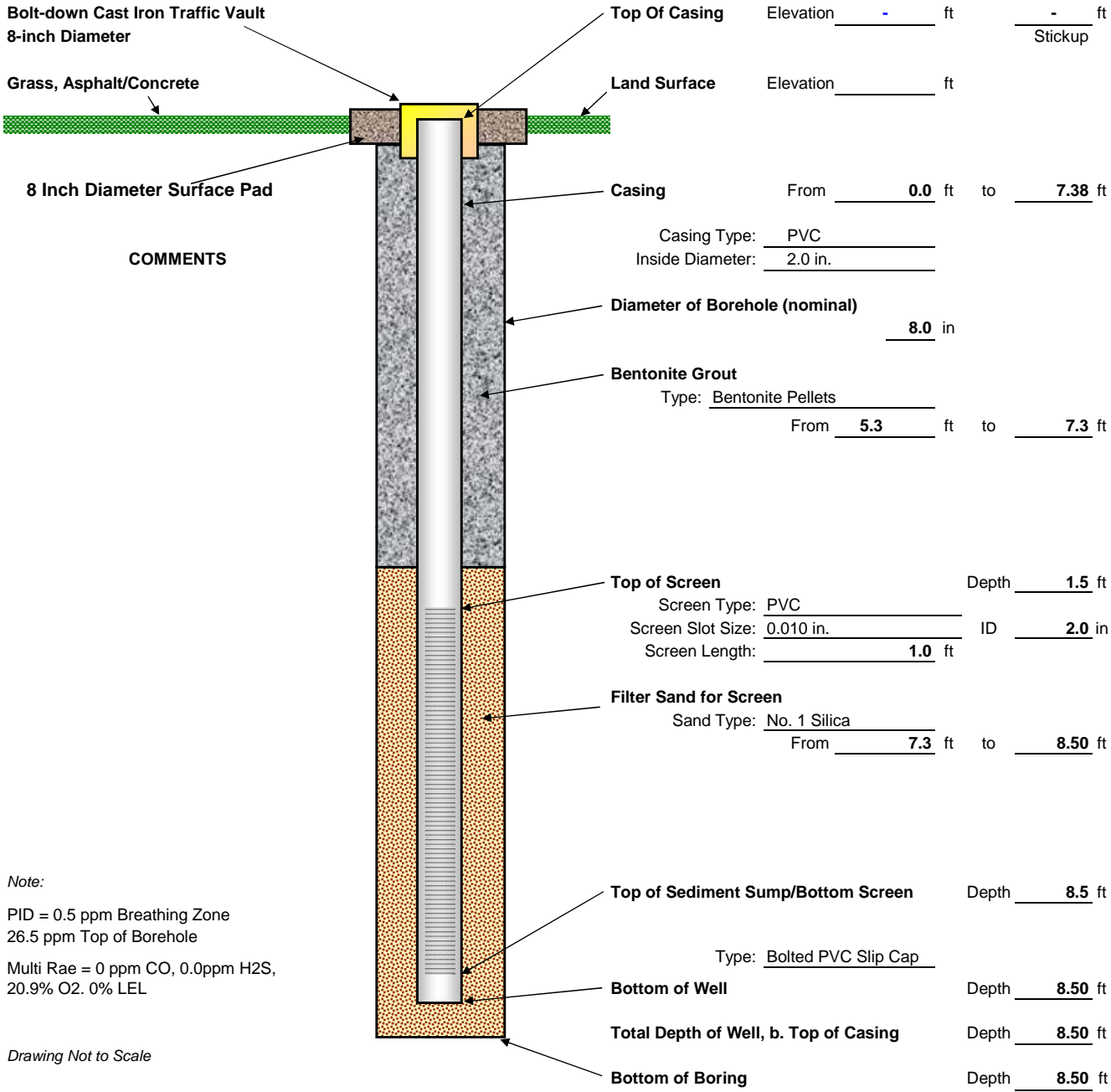
START TIME	STOP TIME	SEC. 1	DESCRIPTION OF ACTIVITIES: REMARKS	
		LOCATION	PID	H ₂ O
		13D	0.5	Bottom
		13S	0.5	~ 1.5' Below TOC
		14S	0.4	Bottom
		14D	0.8	NONE
		1D	3.0	NONE
		1S	0.2	Bottom
		2S	0.4	~ 1' Below TOC
		3S	0.3	~ 1.5' Below TOC
		4S	0.4	~ 1.5' Below TOC
		4D	0.1	NONE
		5S	0.3	~ 2' Below TOC
		5D	0.4	NONE
		6S	0.1	~ 1.5' Below TOC
		6D	0.5	NONE
		7S	0.3	~ 1.5' Below TOC
		7D	0.5	NONE
		8S	0.2	Bottom
		8D	0.2	NONE
		9S	0.2	~ 6" Below TOC
		9D	0.6	NONE
		10S	0.6	~ 2' Below TOC
		10D	0.5	NONE
		27S	13.4	Bottom
		28S	0.3	~ 1.5' Below TOC
		30S	0.9	~ 1.5' "
		31S	2.5	~ 1.5' "
		32S	0.9	Bottom
		24S	0.8	~ 1.5' Below TOC

FIELD REPRESENTATIVES SIGNATURE:  DATE: 4/24/13

Well Installation Details

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-01D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

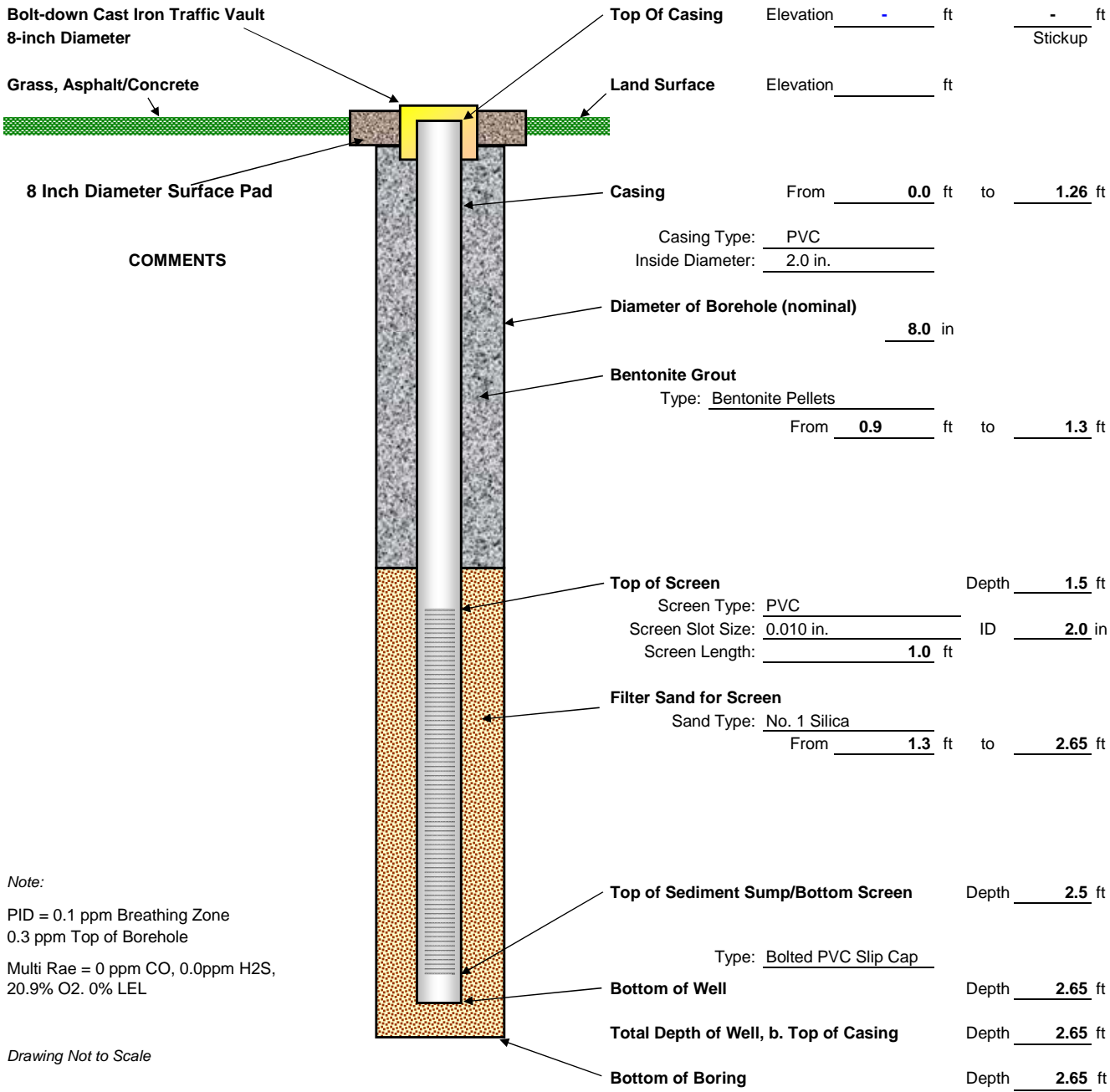
Note:
 PID = 0.5 ppm Breathing Zone
 26.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-01S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

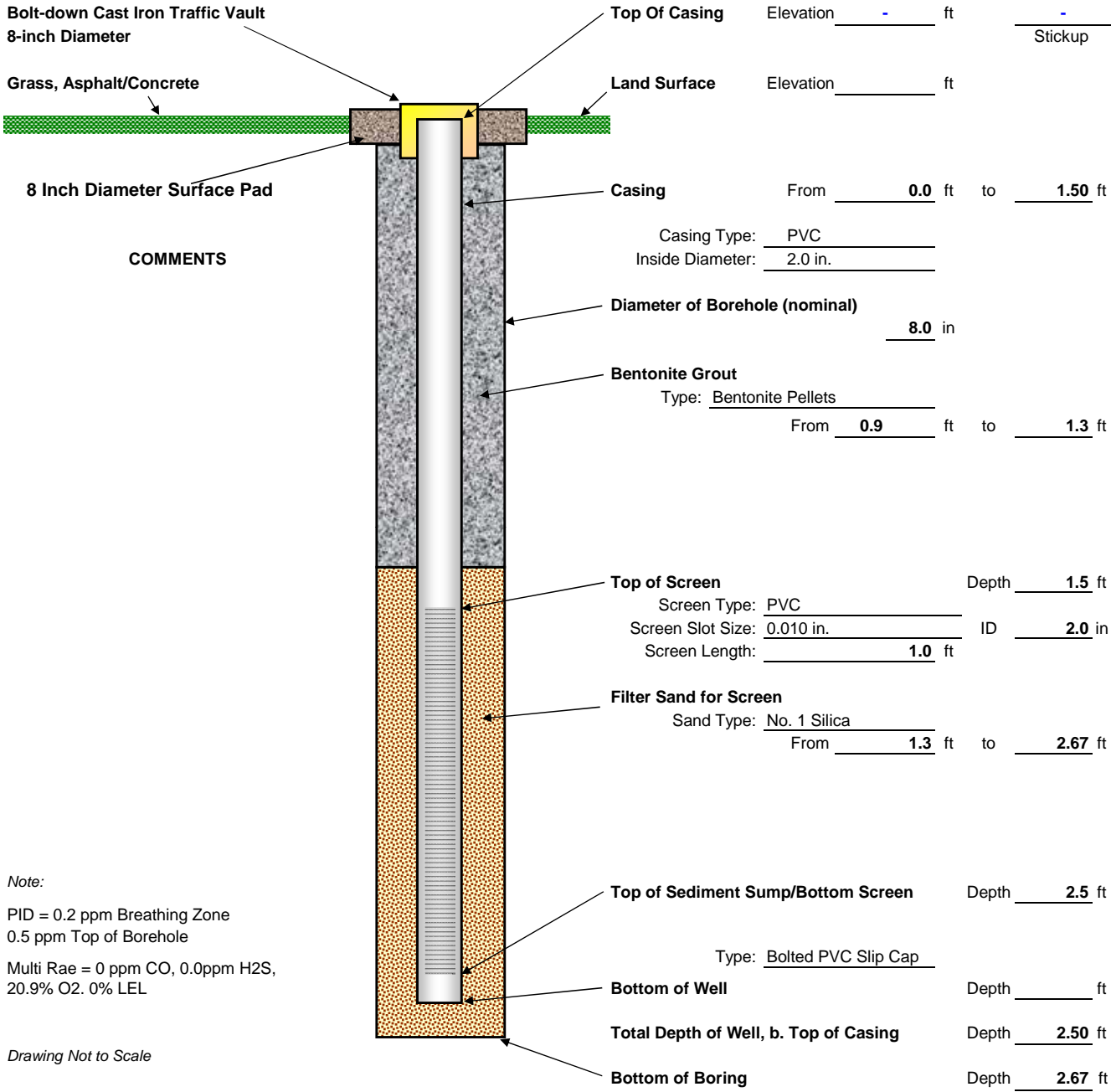
Note:
 PID = 0.1 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-02S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 16, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:

PID = 0.2 ppm Breathing Zone
0.5 ppm Top of Borehole

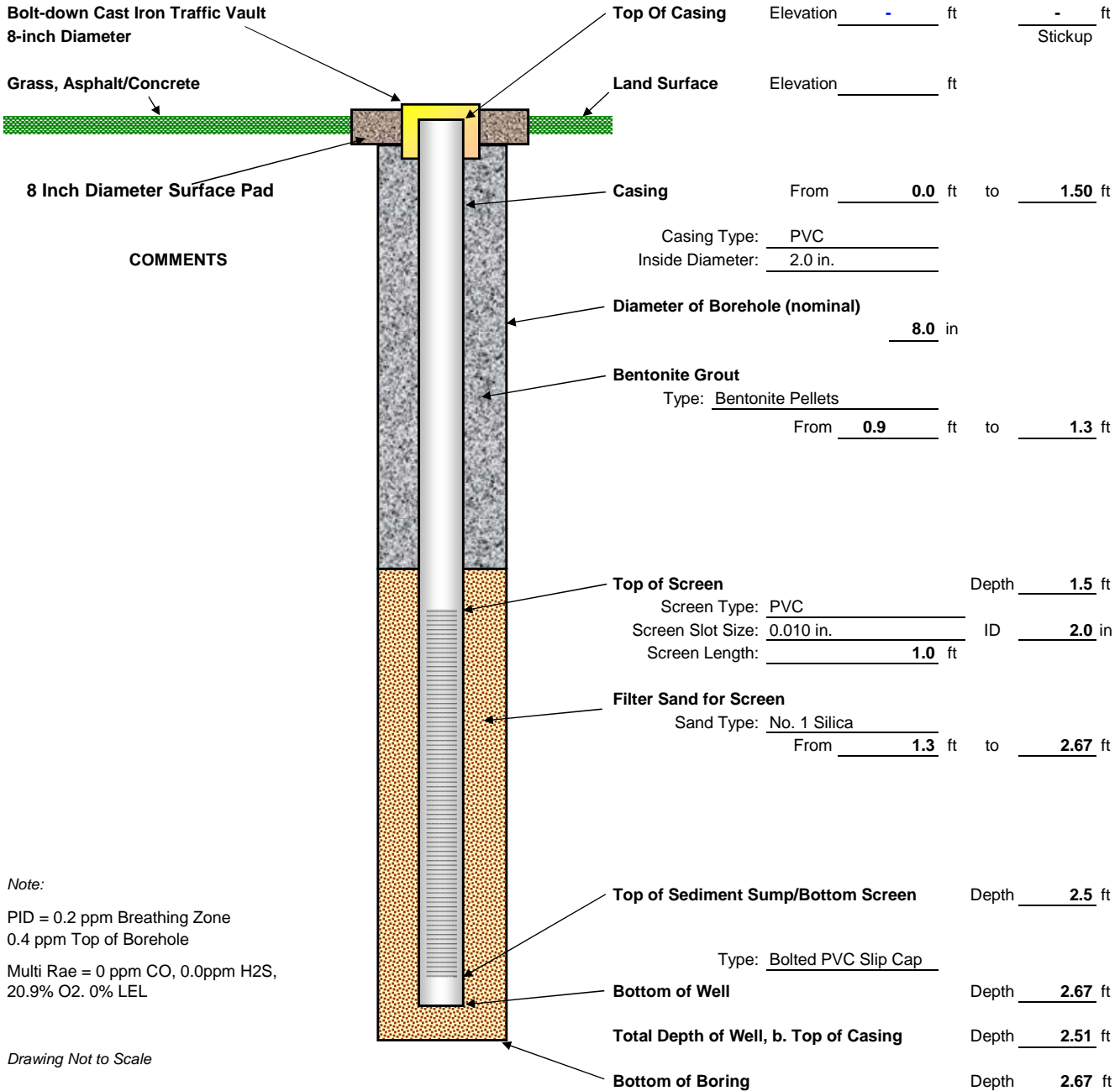
Multi Rae = 0 ppm CO, 0.0ppm H2S,
20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-03S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 16, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -

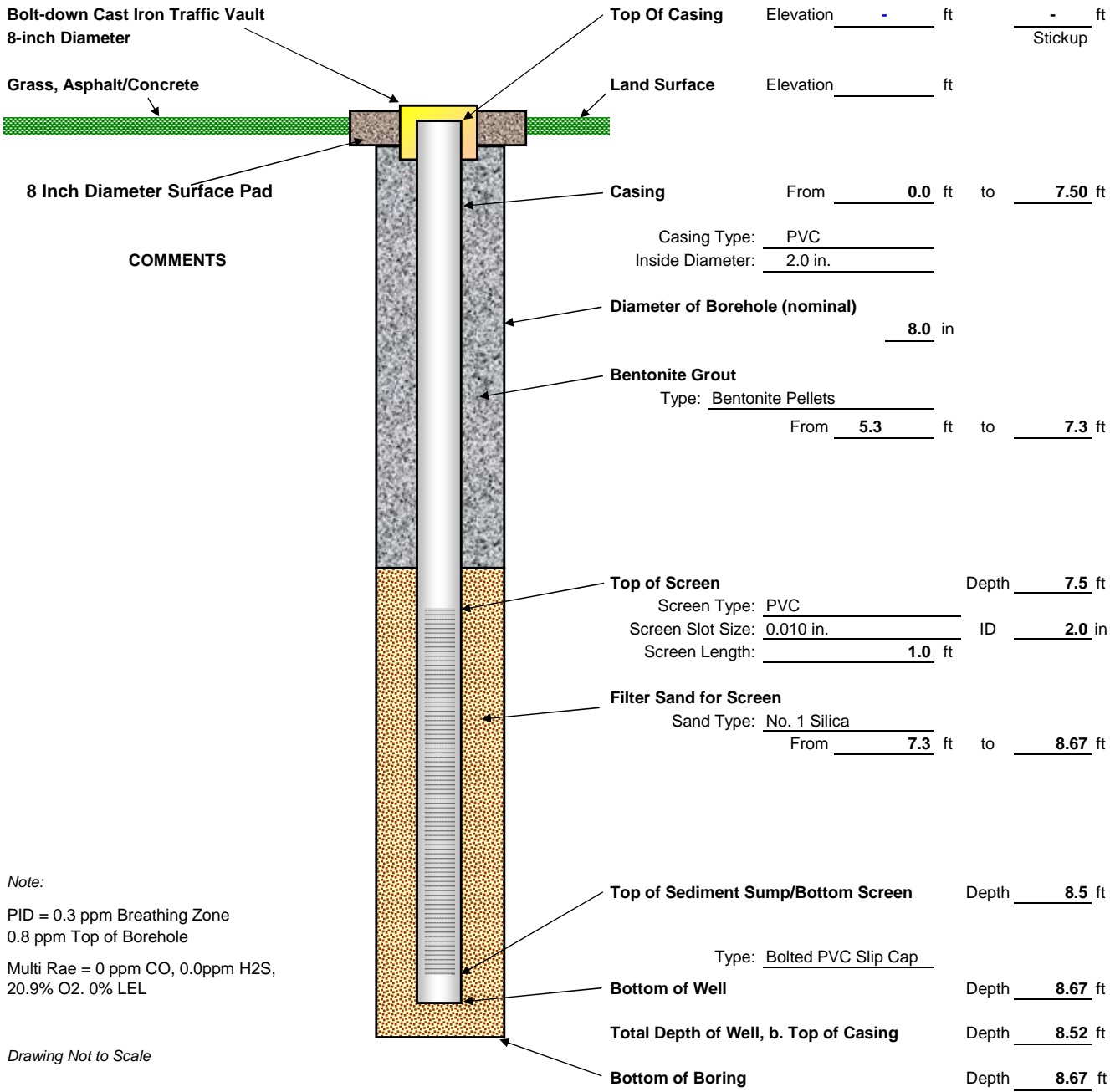


Note:
 PID = 0.2 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-04D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -

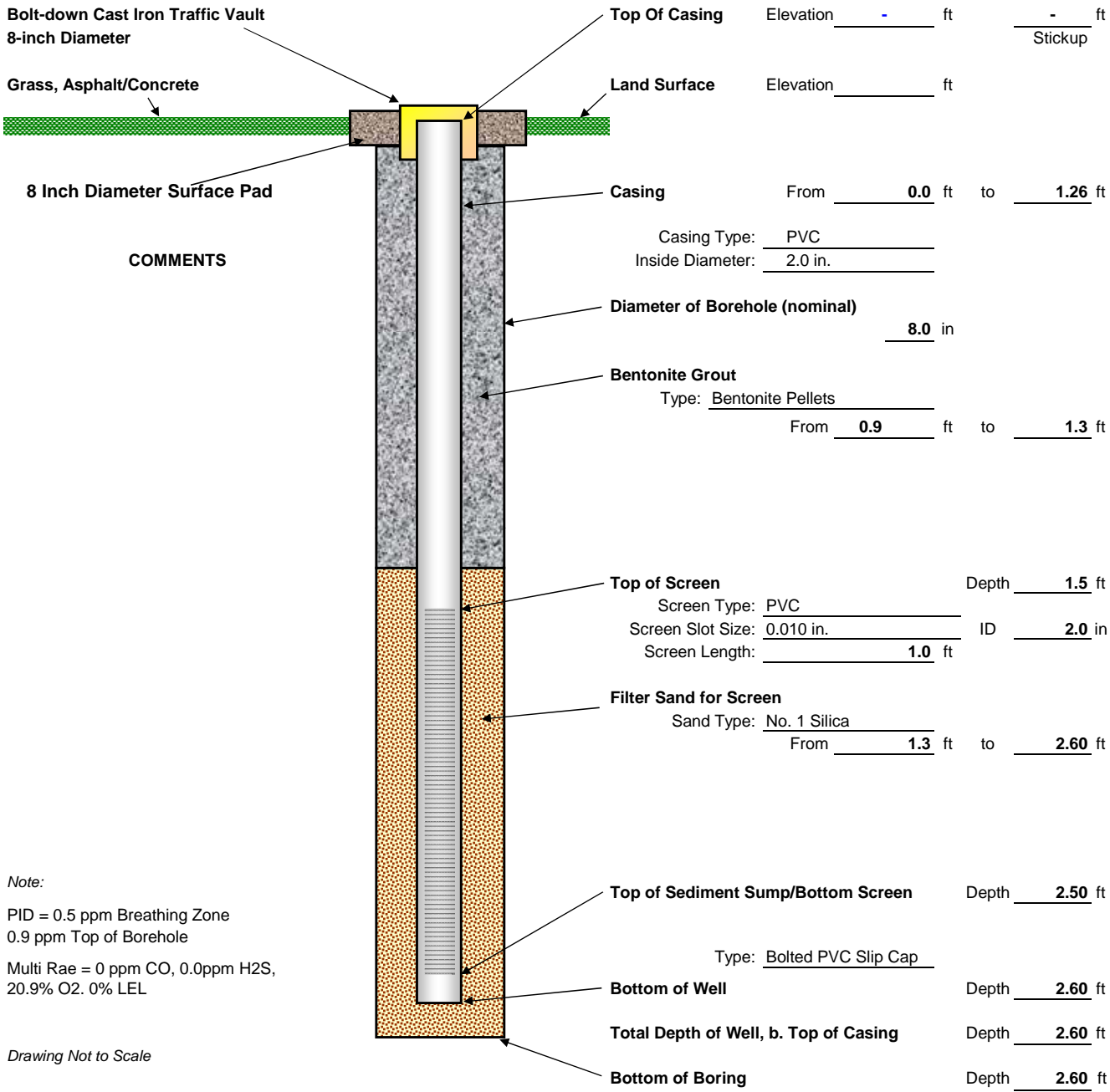


Note:
 PID = 0.3 ppm Breathing Zone
 0.8 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-04S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

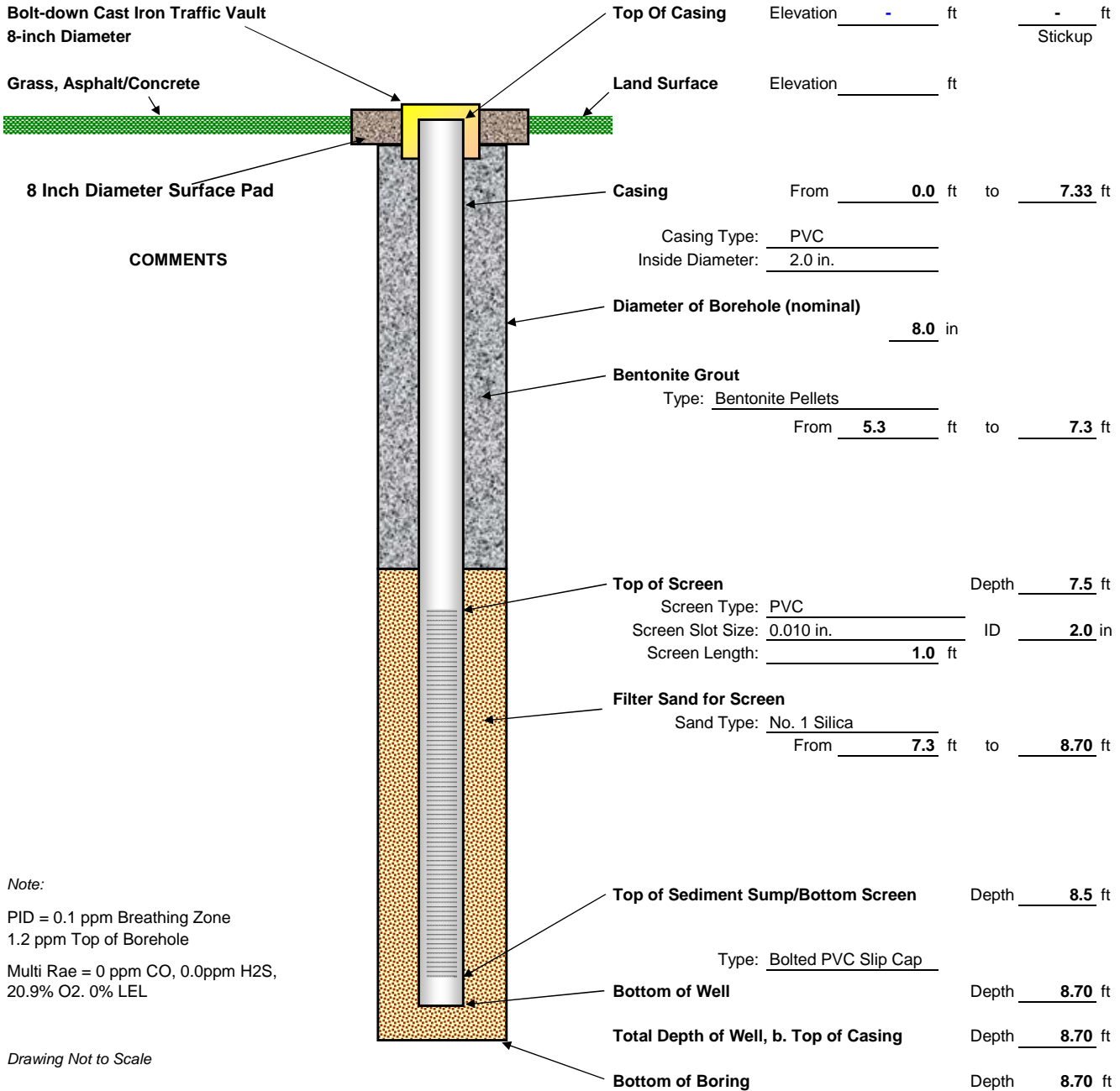
Note:
 PID = 0.5 ppm Breathing Zone
 0.9 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-05D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

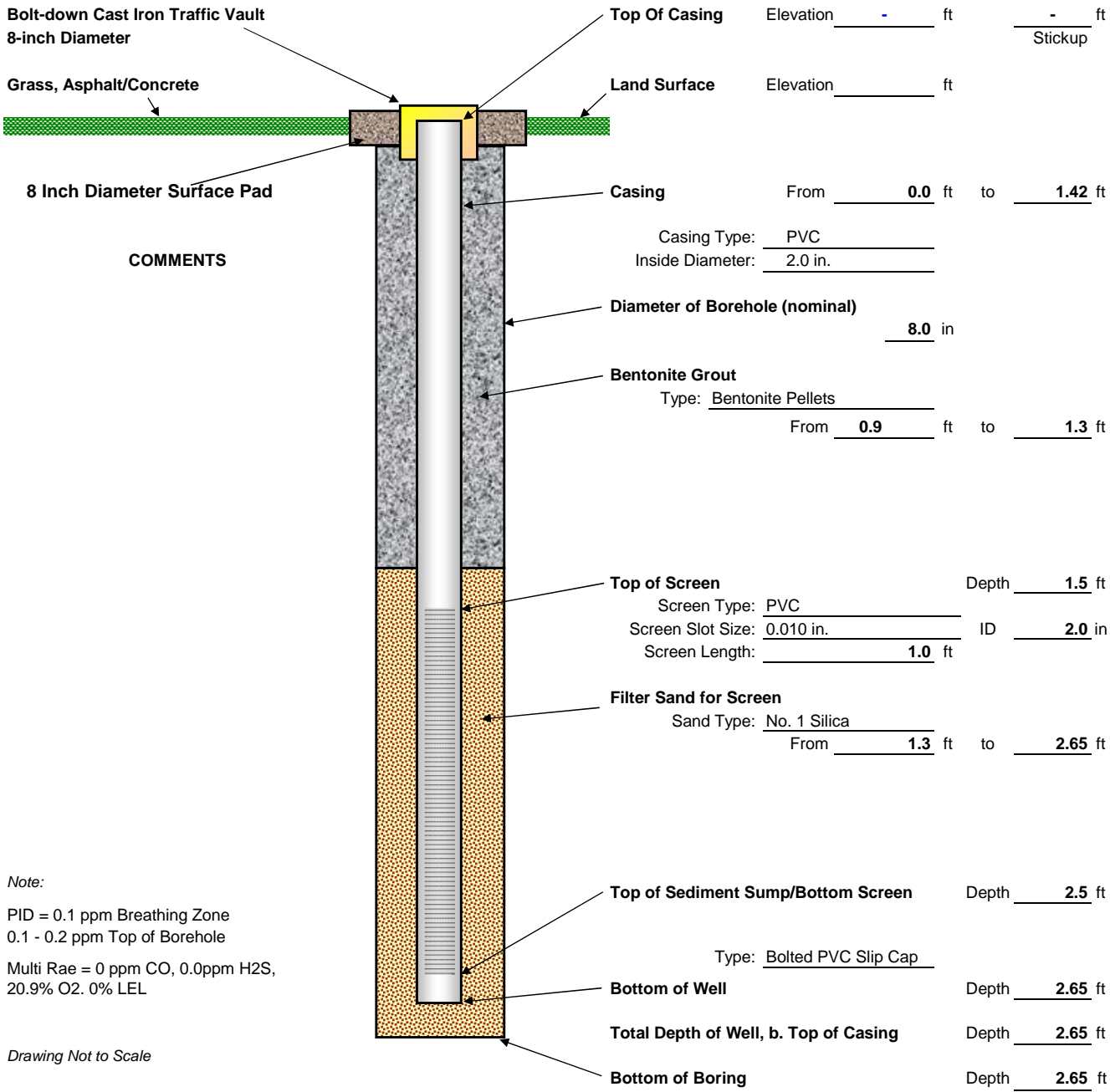


Note:
 PID = 0.1 ppm Breathing Zone
 1.2 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-05S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

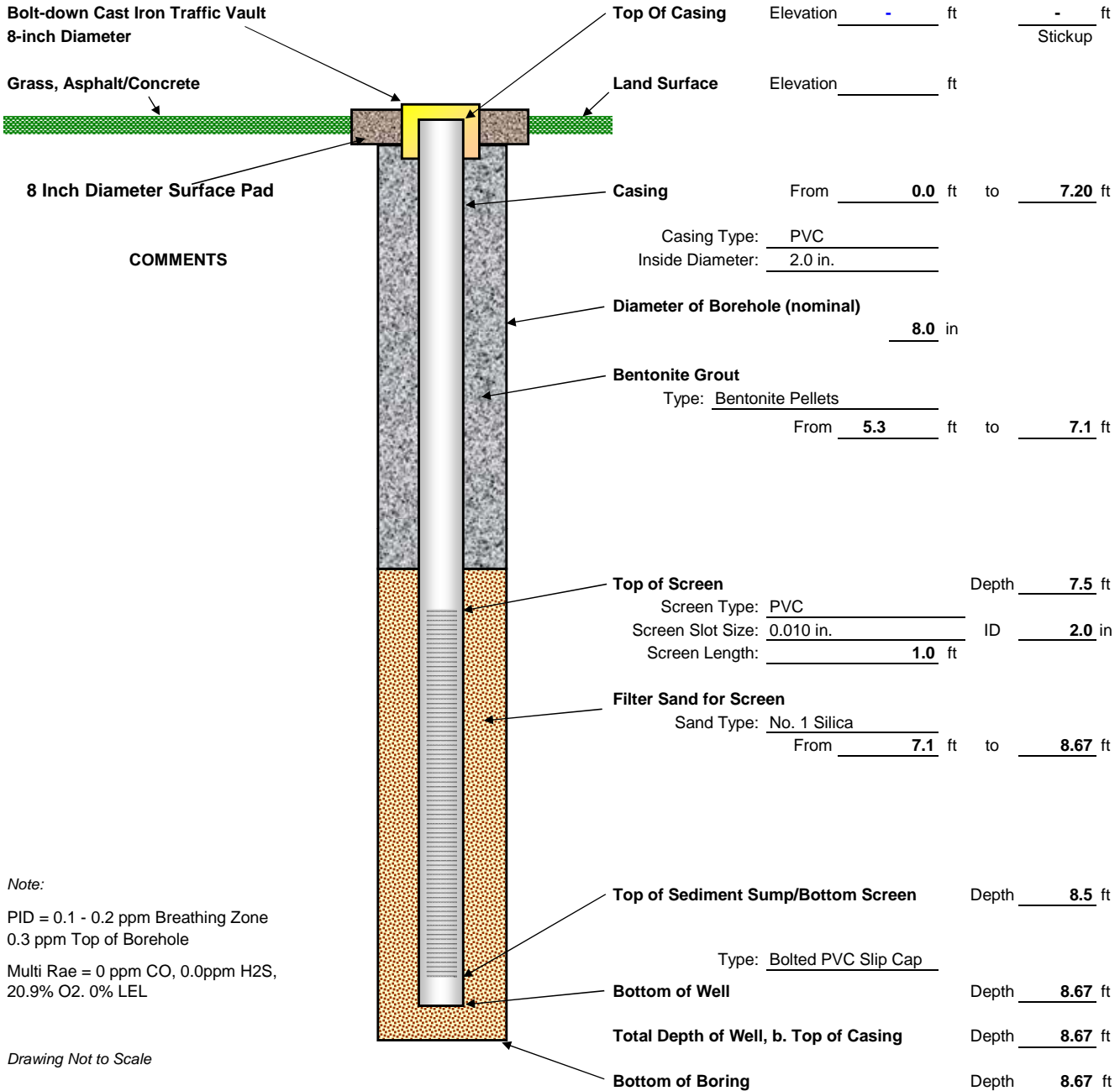


Note:
 PID = 0.1 ppm Breathing Zone
 0.1 - 0.2 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-06D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



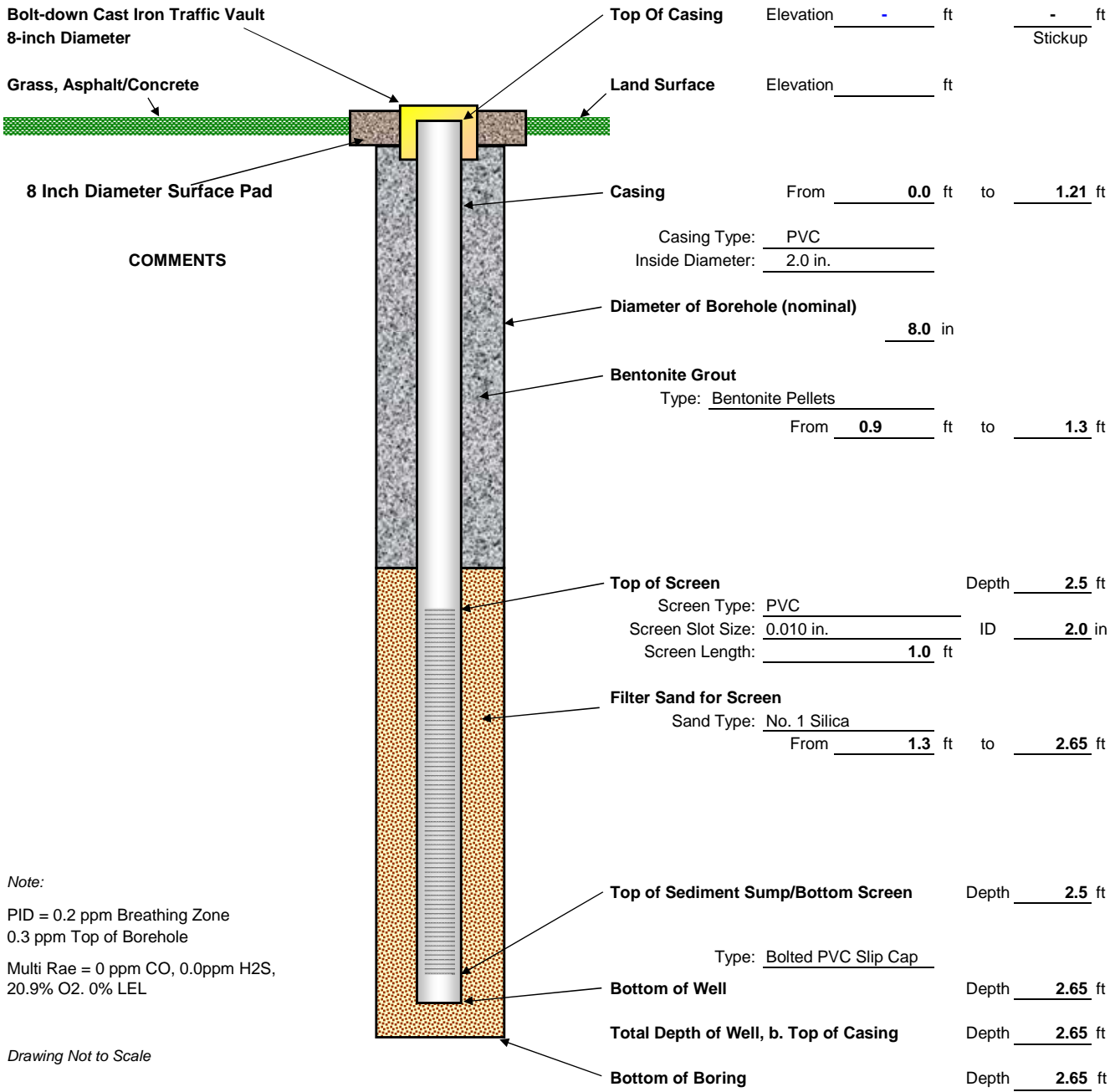
Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-06S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

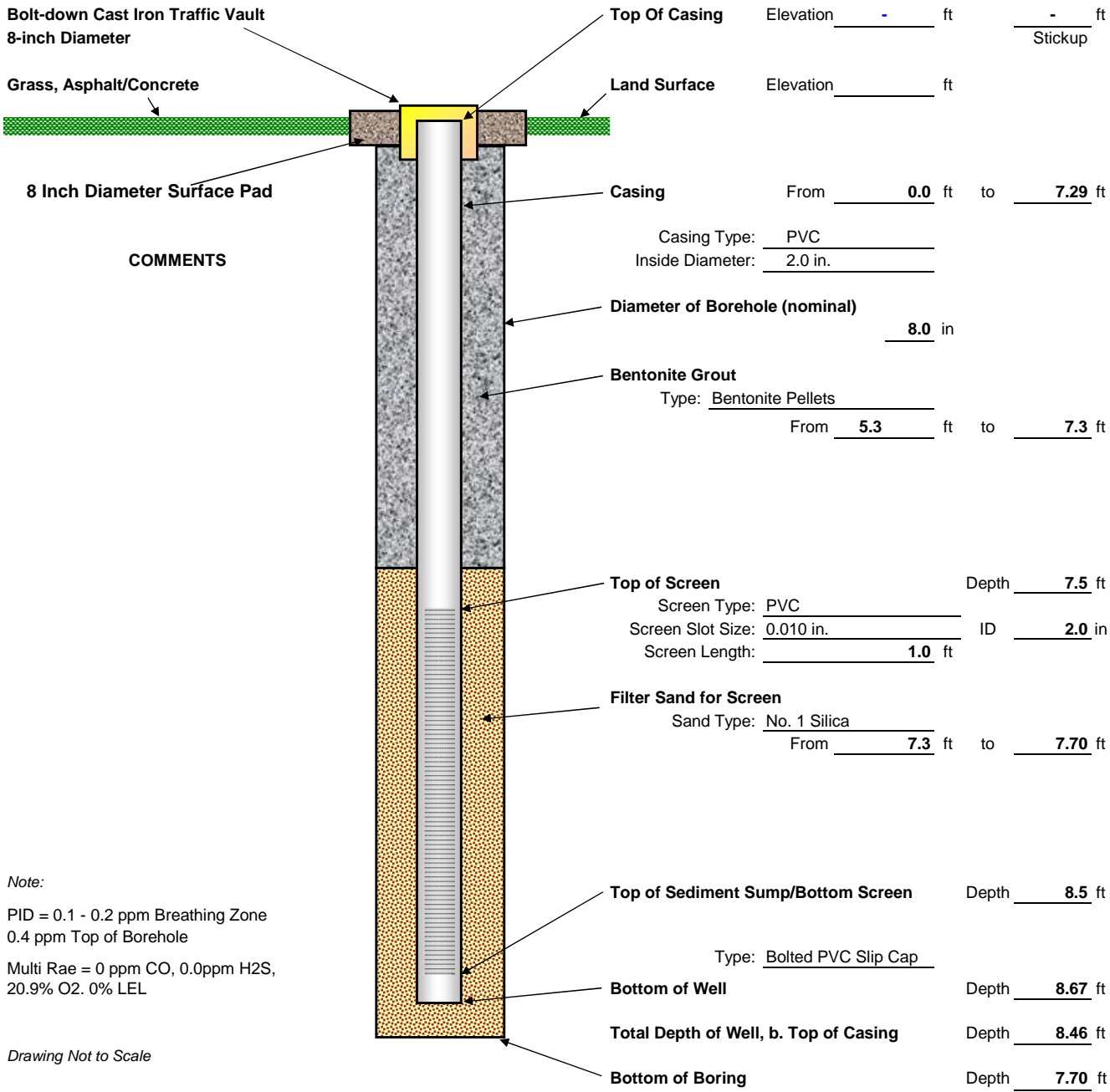
Note:
 PID = 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-07D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

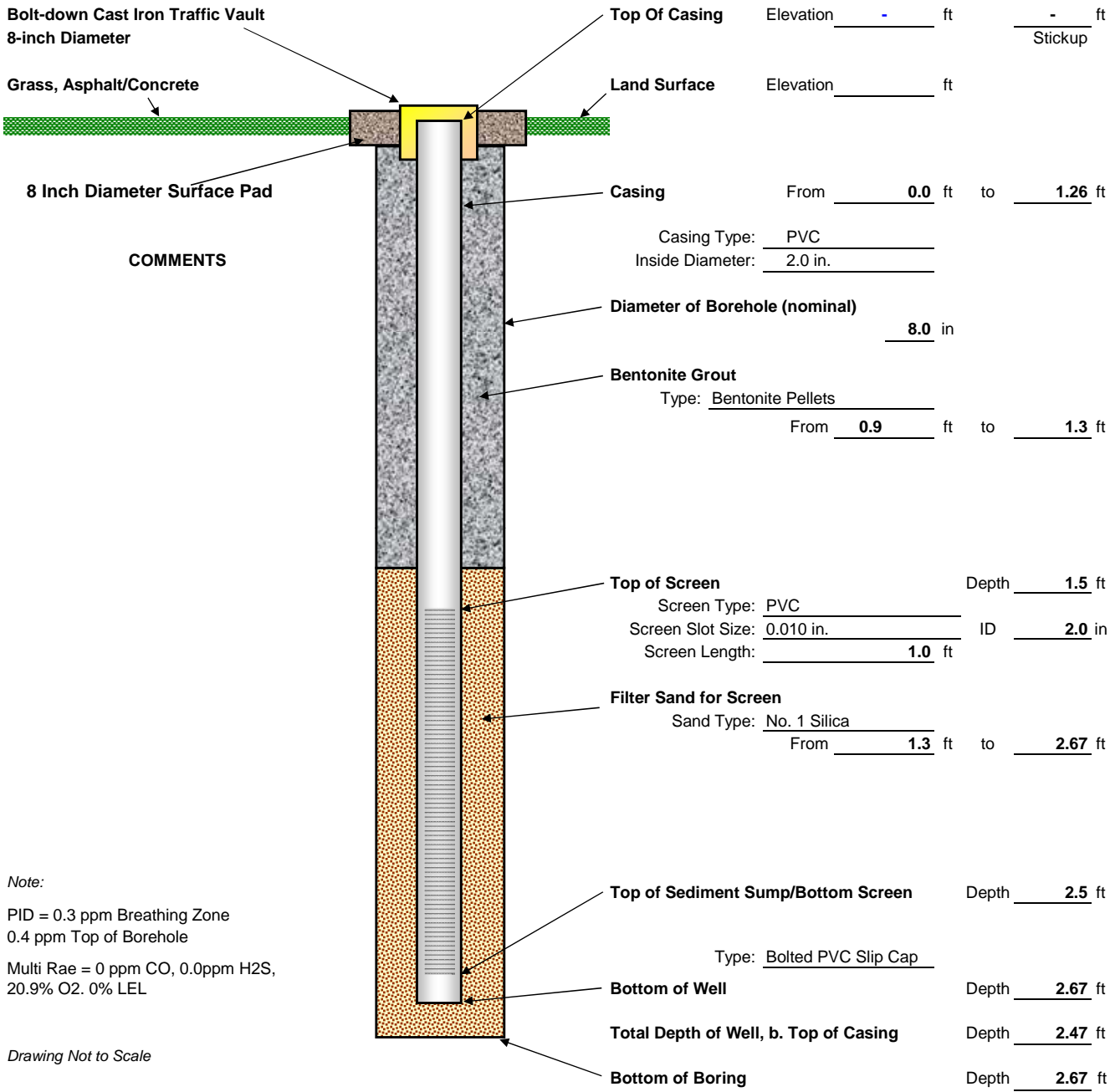
Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-07S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

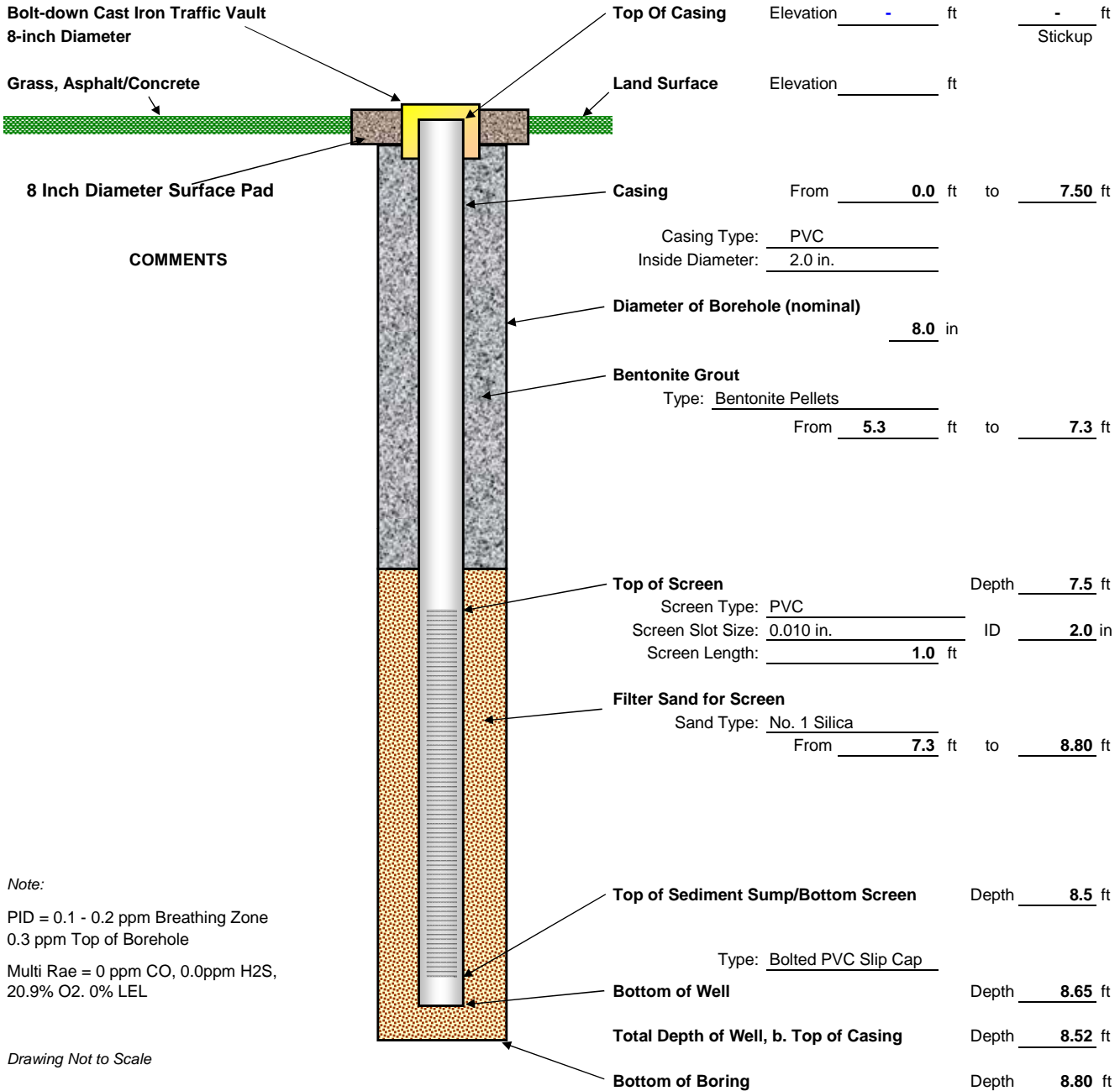


Note:
 PID = 0.3 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-08D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

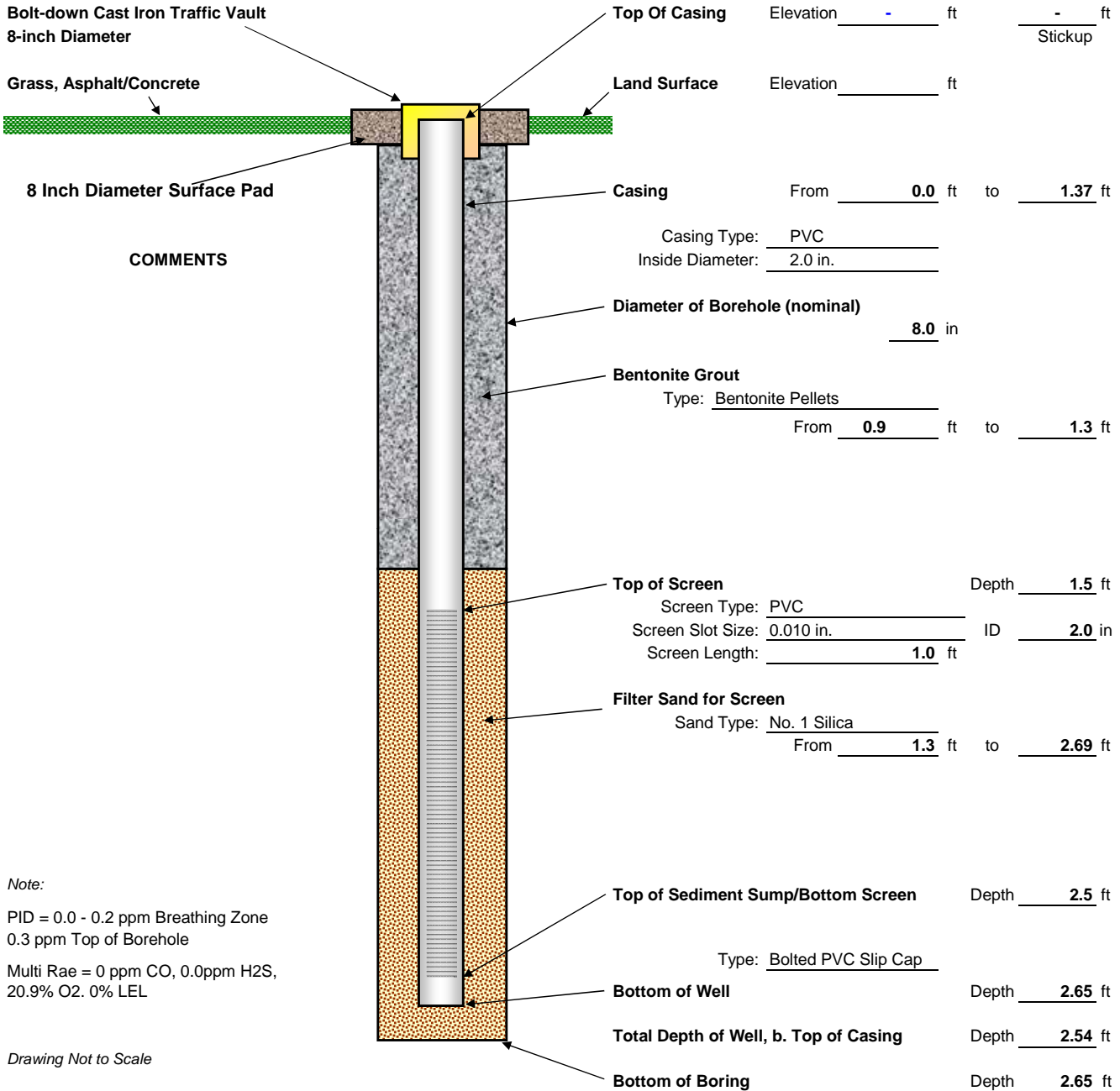


Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-08S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

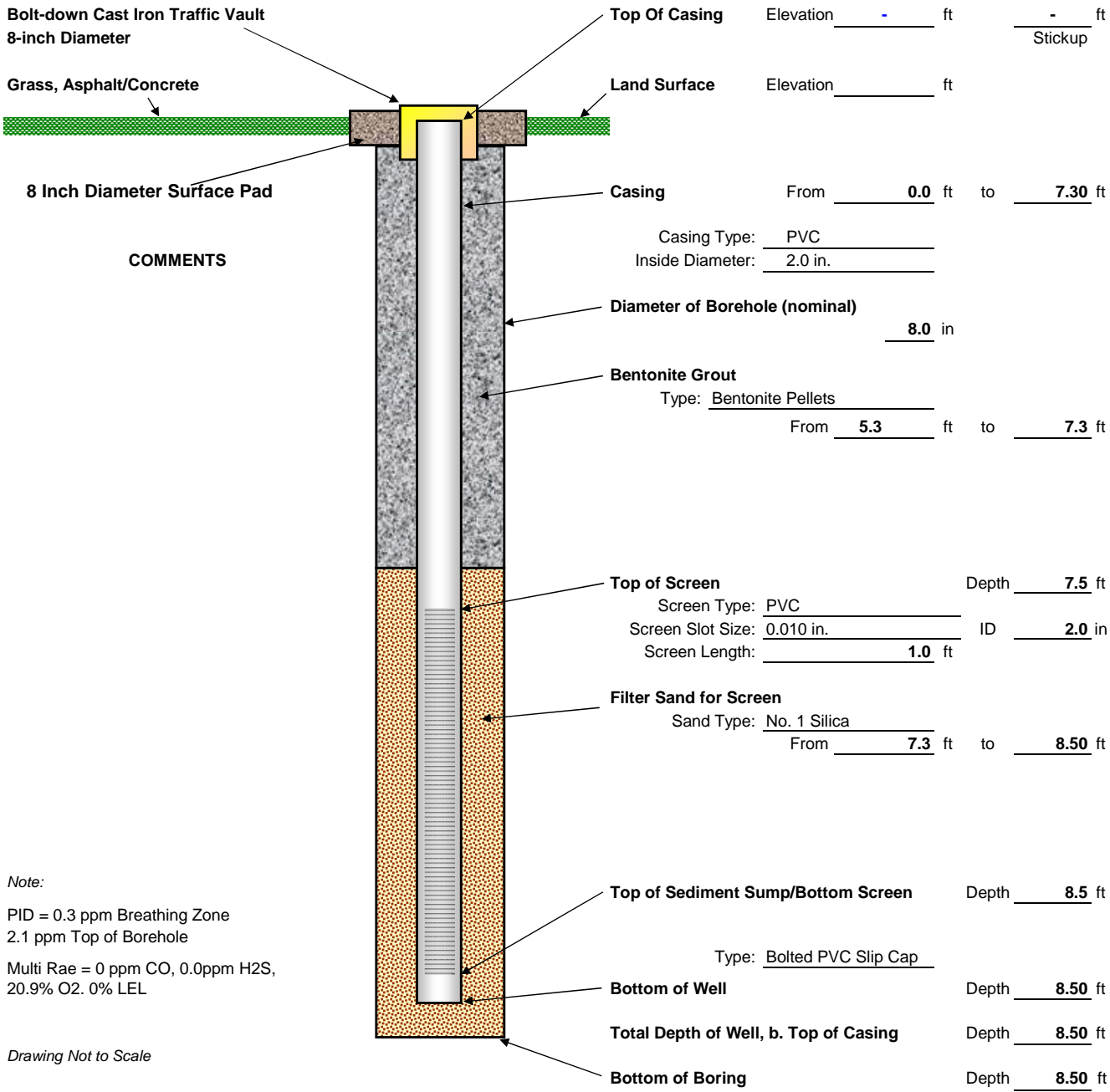


Note:
 PID = 0.0 - 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-09D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

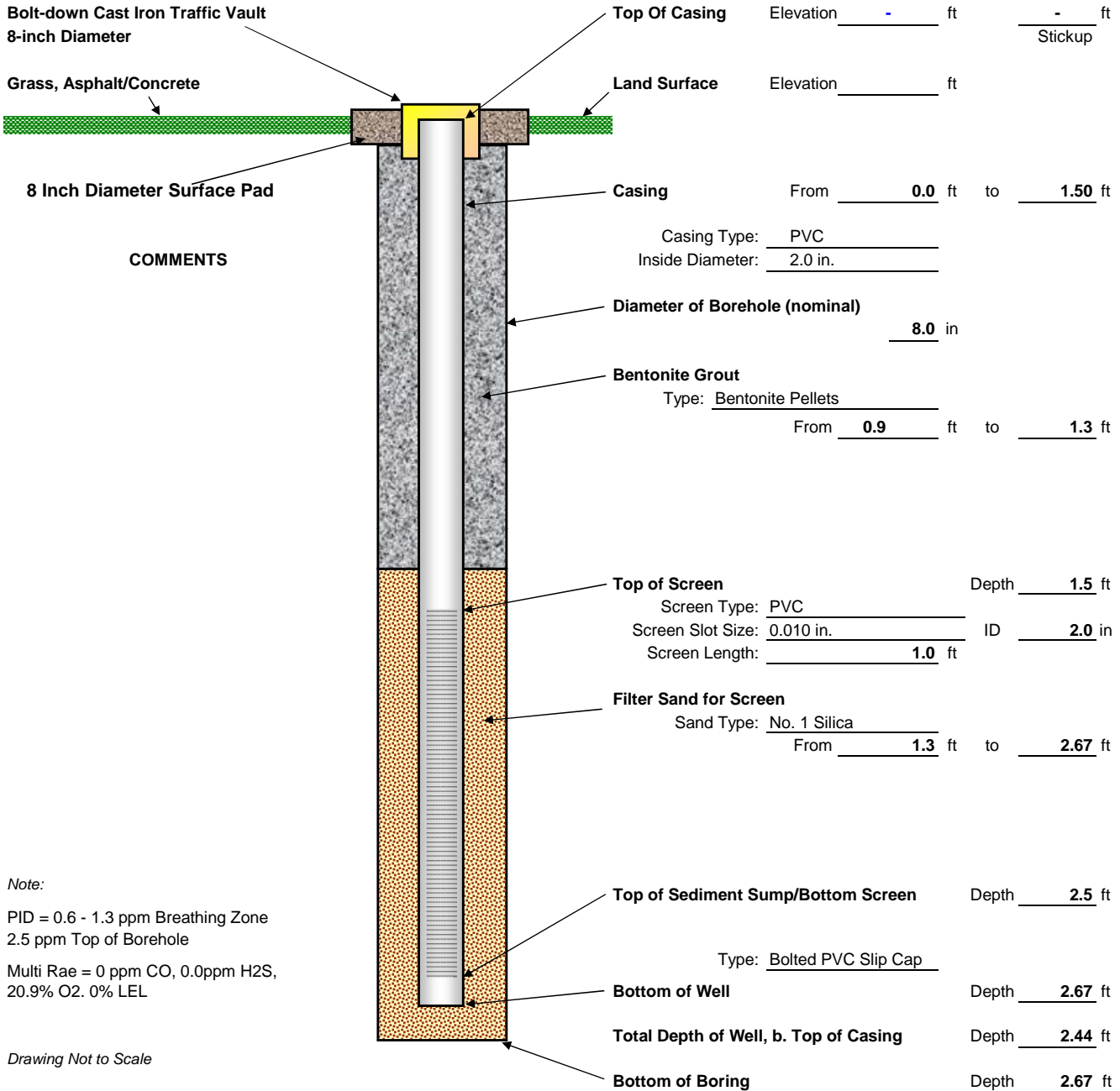
Note:
 PID = 0.3 ppm Breathing Zone
 2.1 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-09S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

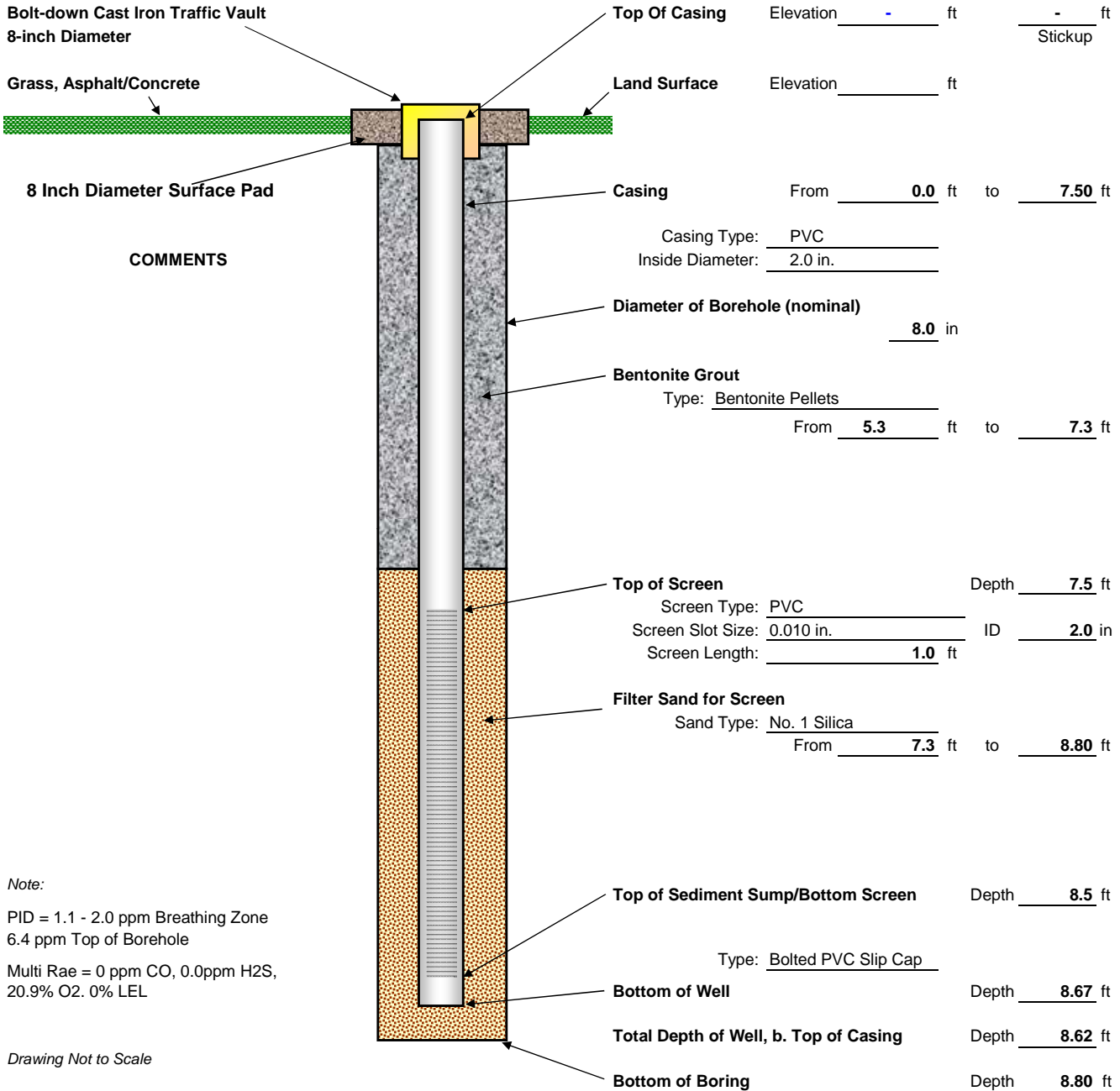
Note:
 PID = 0.6 - 1.3 ppm Breathing Zone
 2.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-10D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

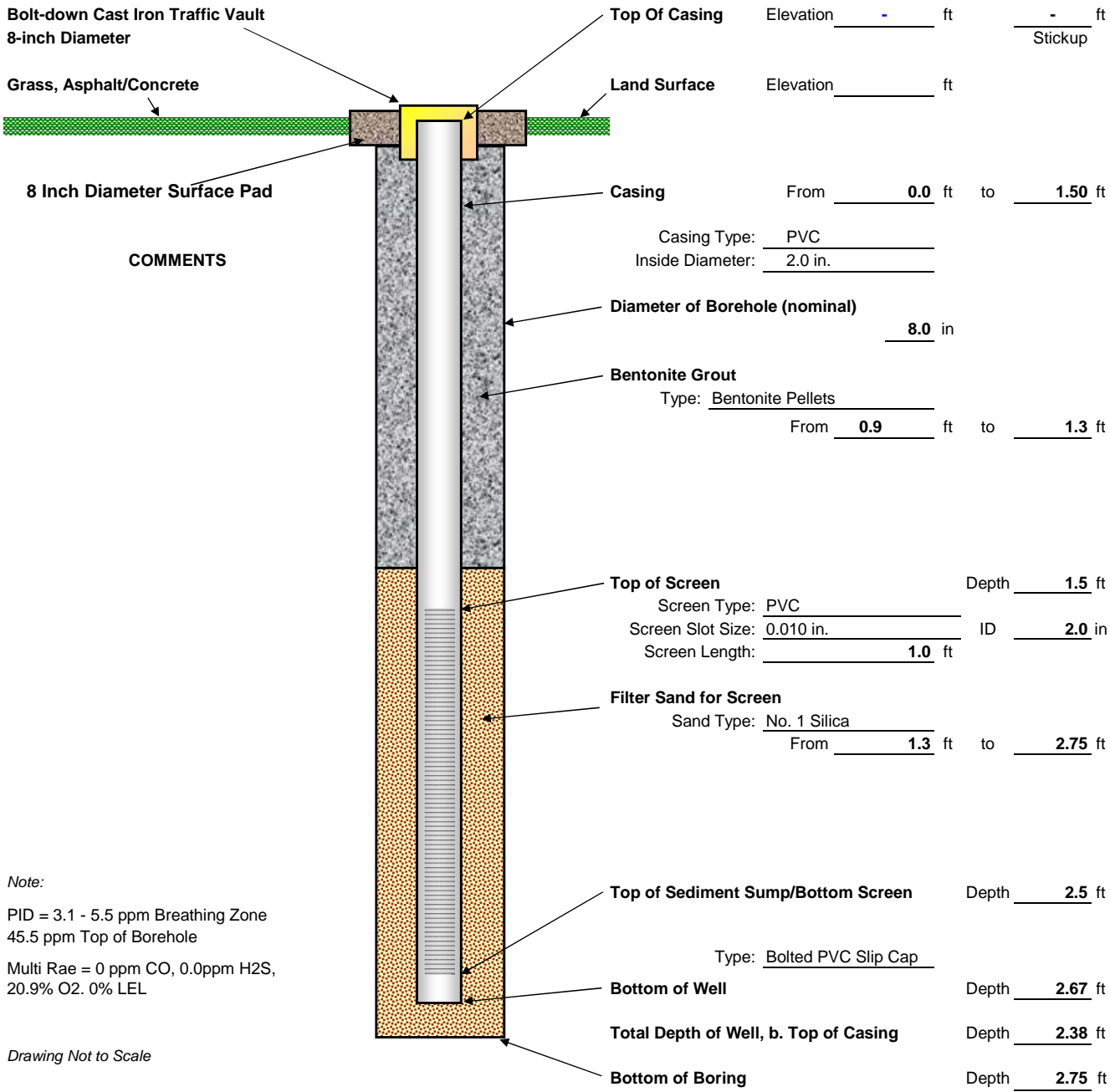


Note:
 PID = 1.1 - 2.0 ppm Breathing Zone
 6.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-10S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

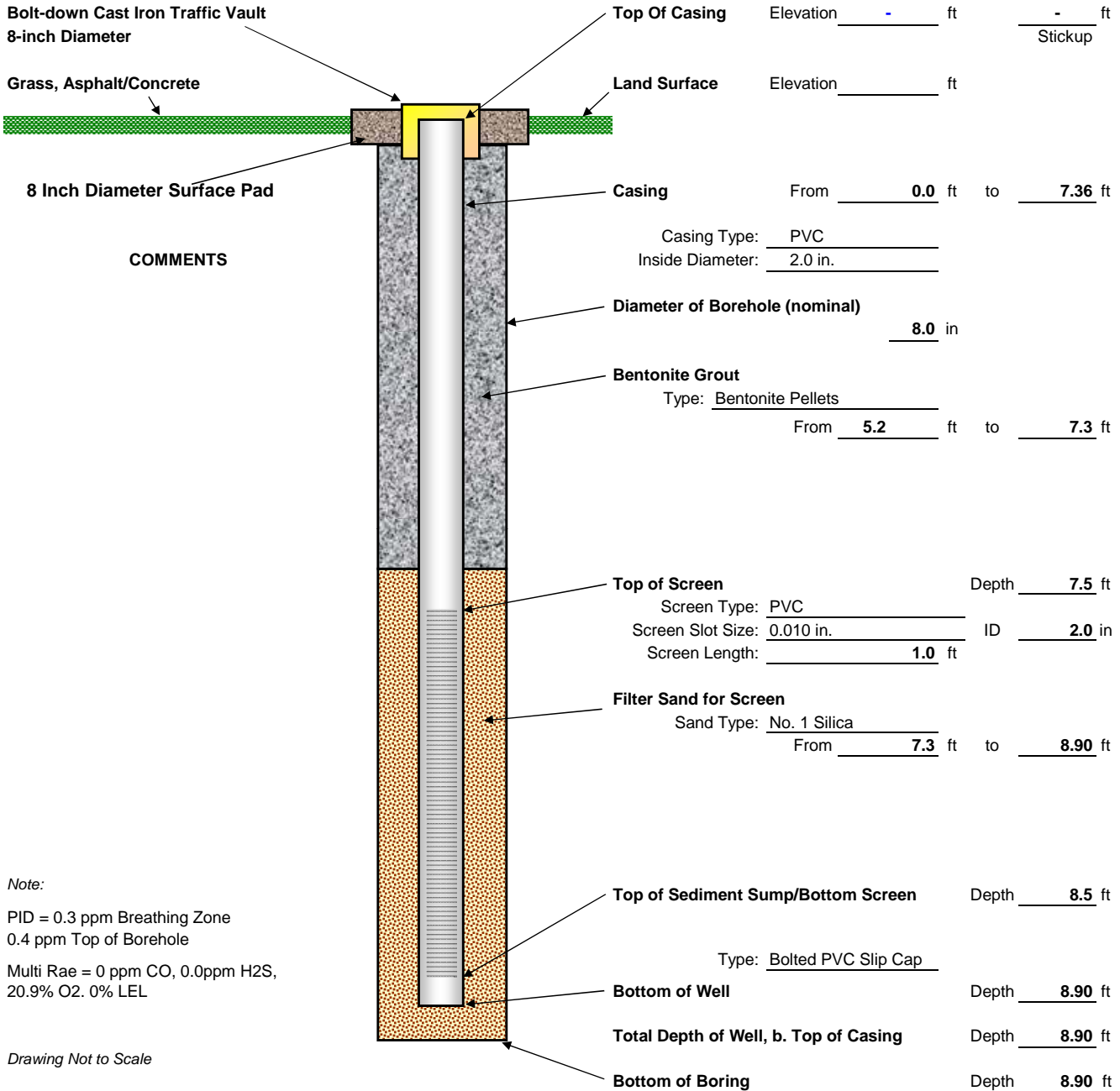
Note:
 PID = 3.1 - 5.5 ppm Breathing Zone
 45.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-11D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

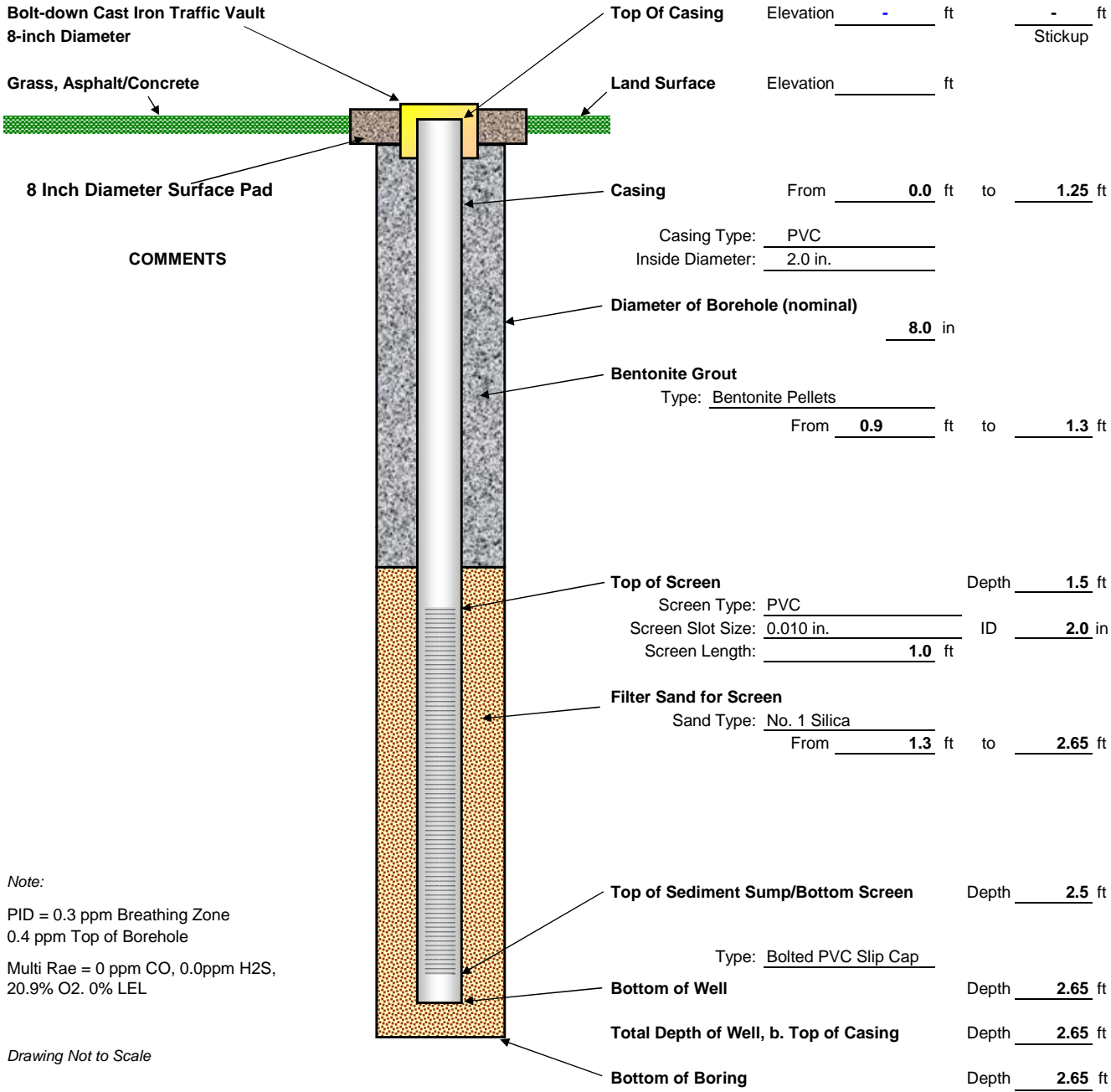
Note:
 PID = 0.3 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-11S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

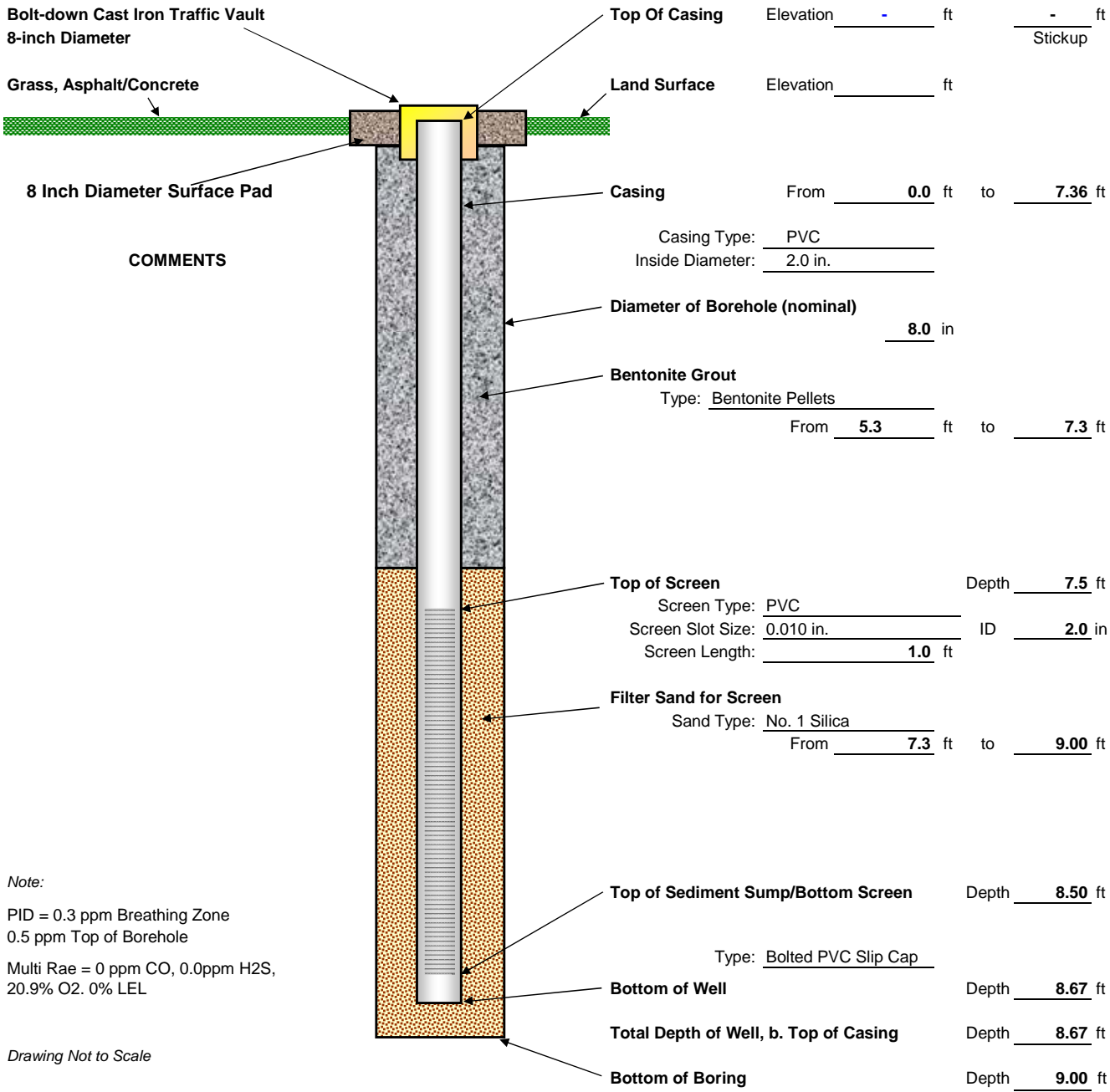
Note:
 PID = 0.3 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-12D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

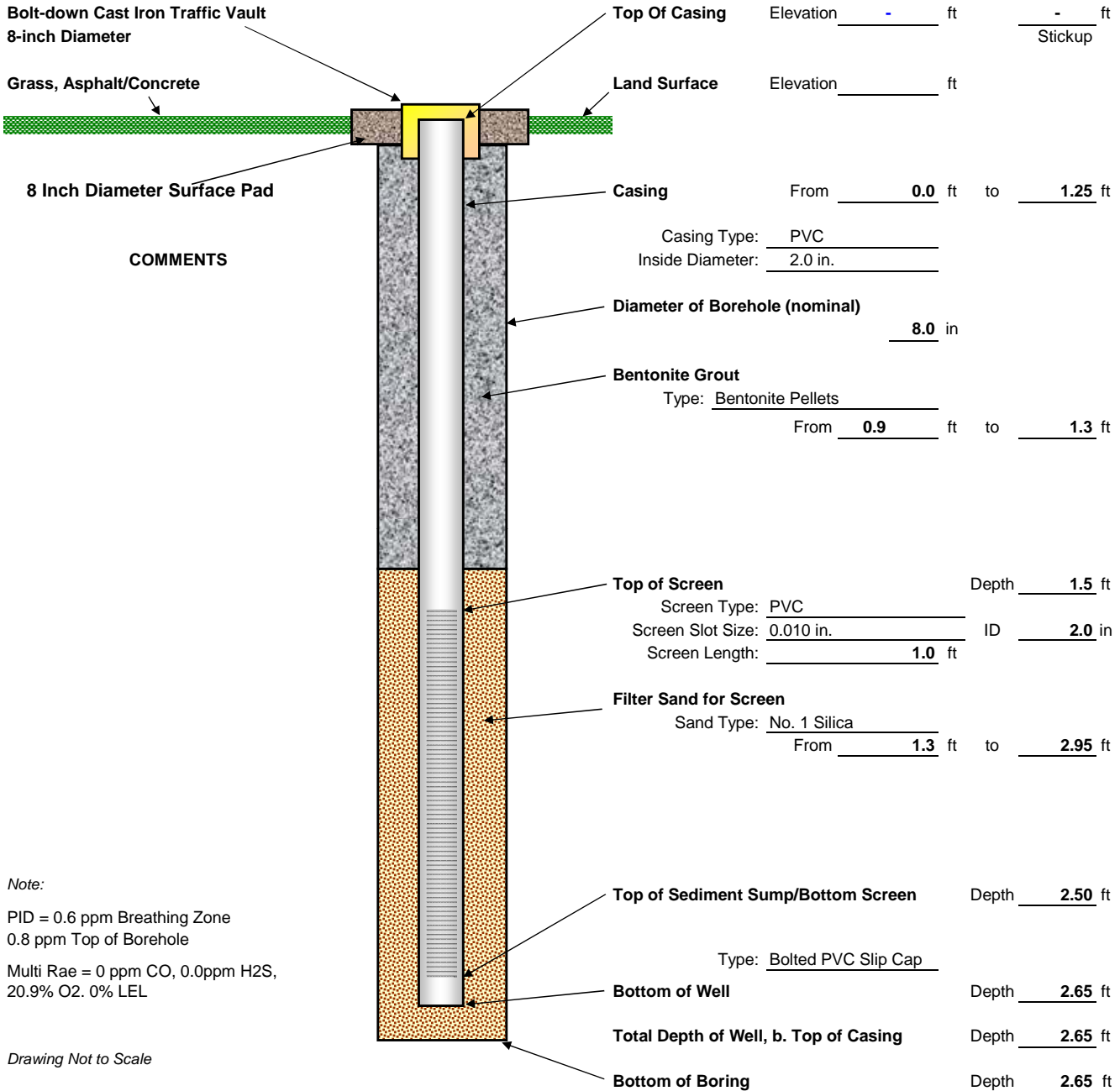
Note:
 PID = 0.3 ppm Breathing Zone
 0.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-12S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

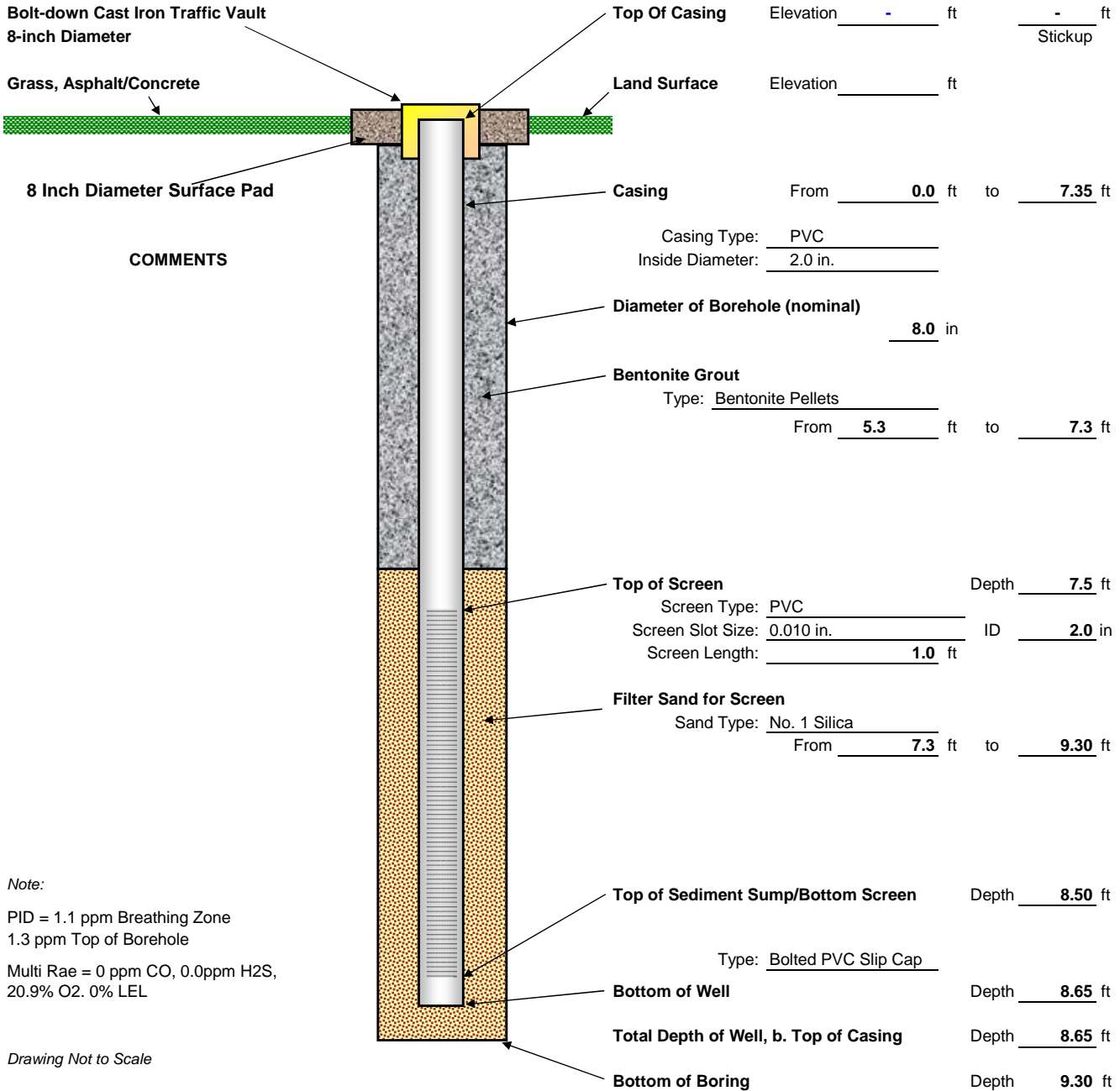


Note:
 PID = 0.6 ppm Breathing Zone
 0.8 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-13D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

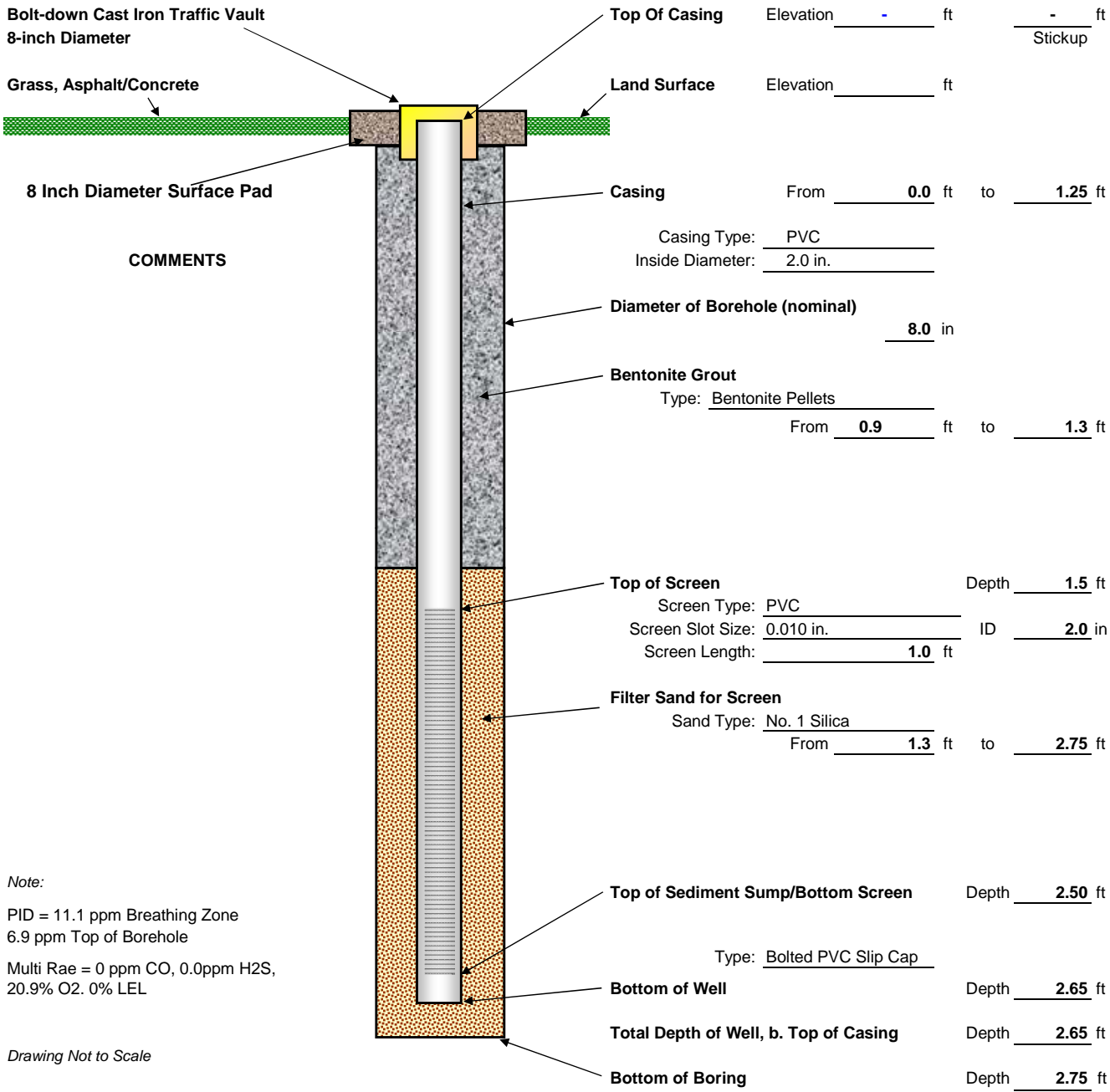
Note:
 PID = 1.1 ppm Breathing Zone
 1.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2, 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-13S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

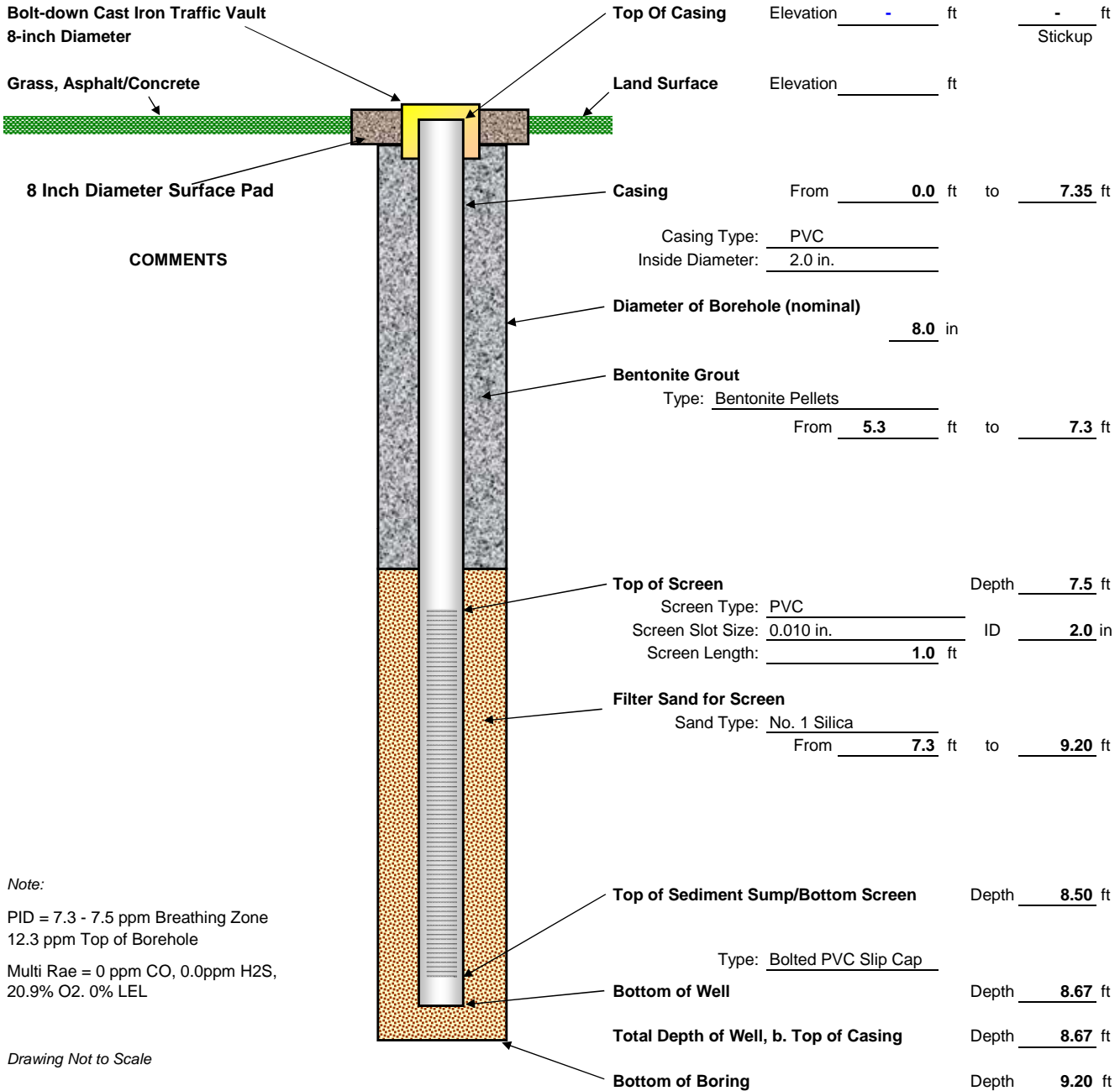


Note:
 PID = 11.1 ppm Breathing Zone
 6.9 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-14D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



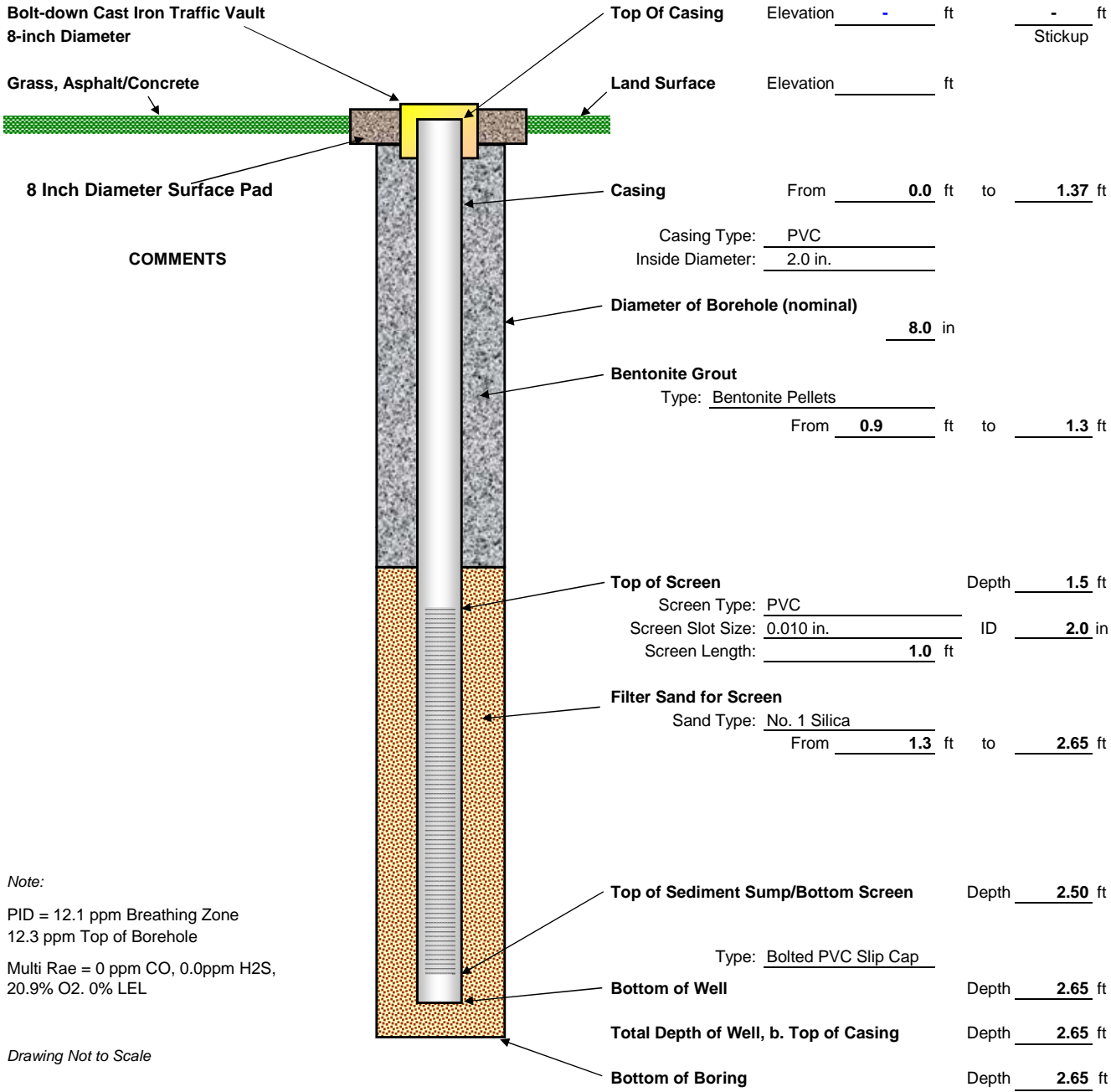
Note:
 PID = 7.3 - 7.5 ppm Breathing Zone
 12.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-14S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 11, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

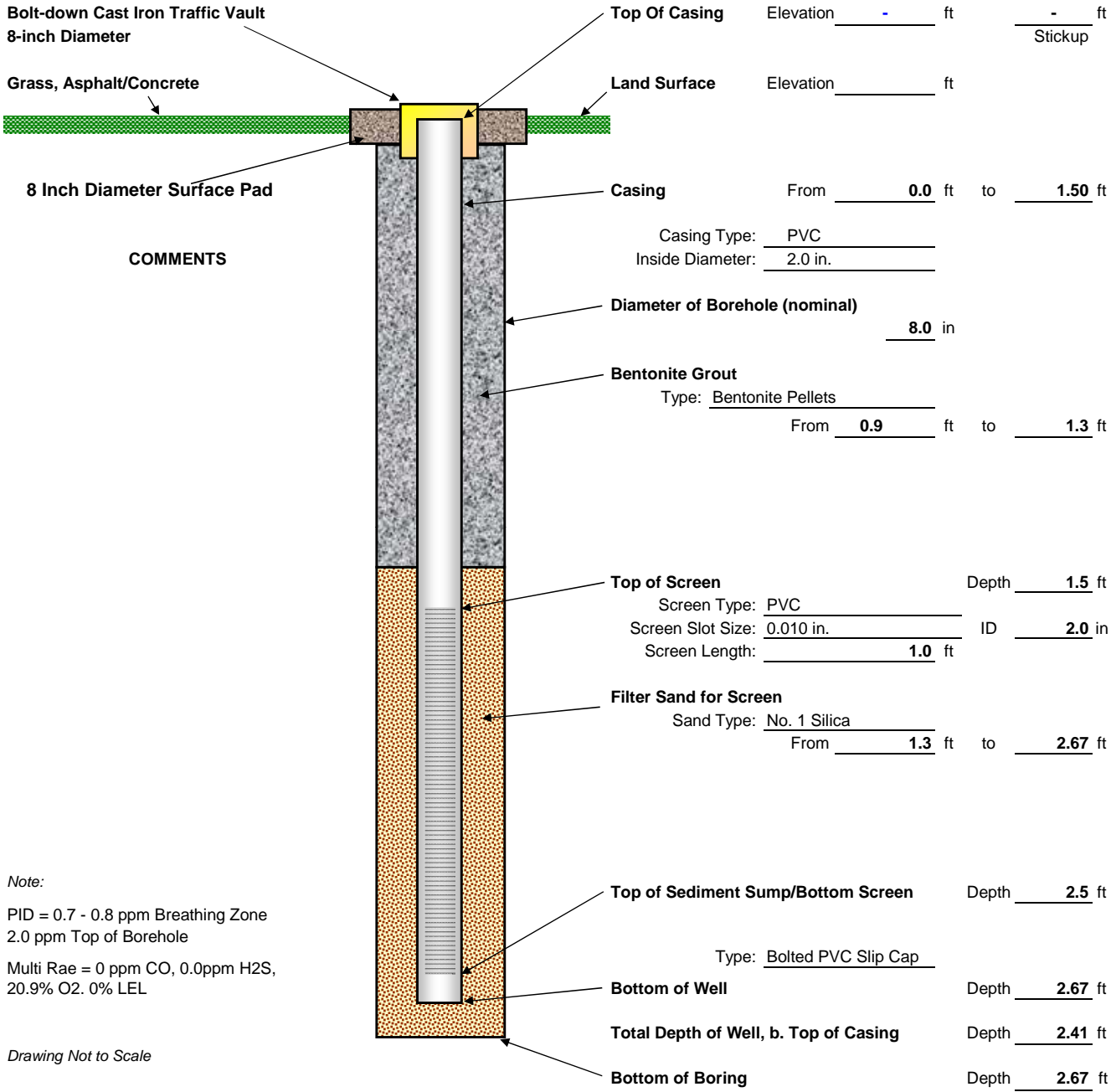
Note:
 PID = 12.1 ppm Breathing Zone
 12.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-15S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

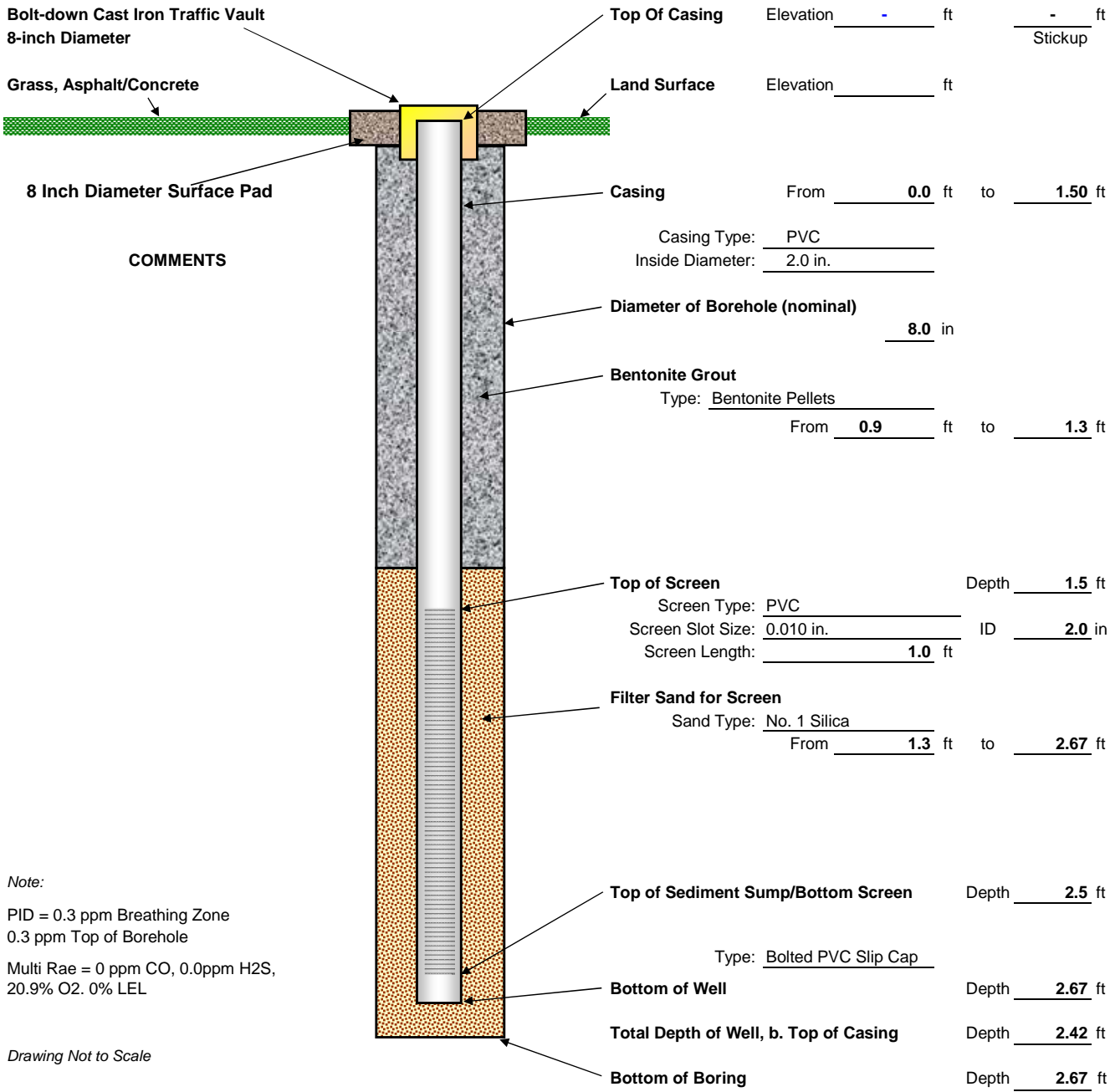
Note:
 PID = 0.7 - 0.8 ppm Breathing Zone
 2.0 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-16S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

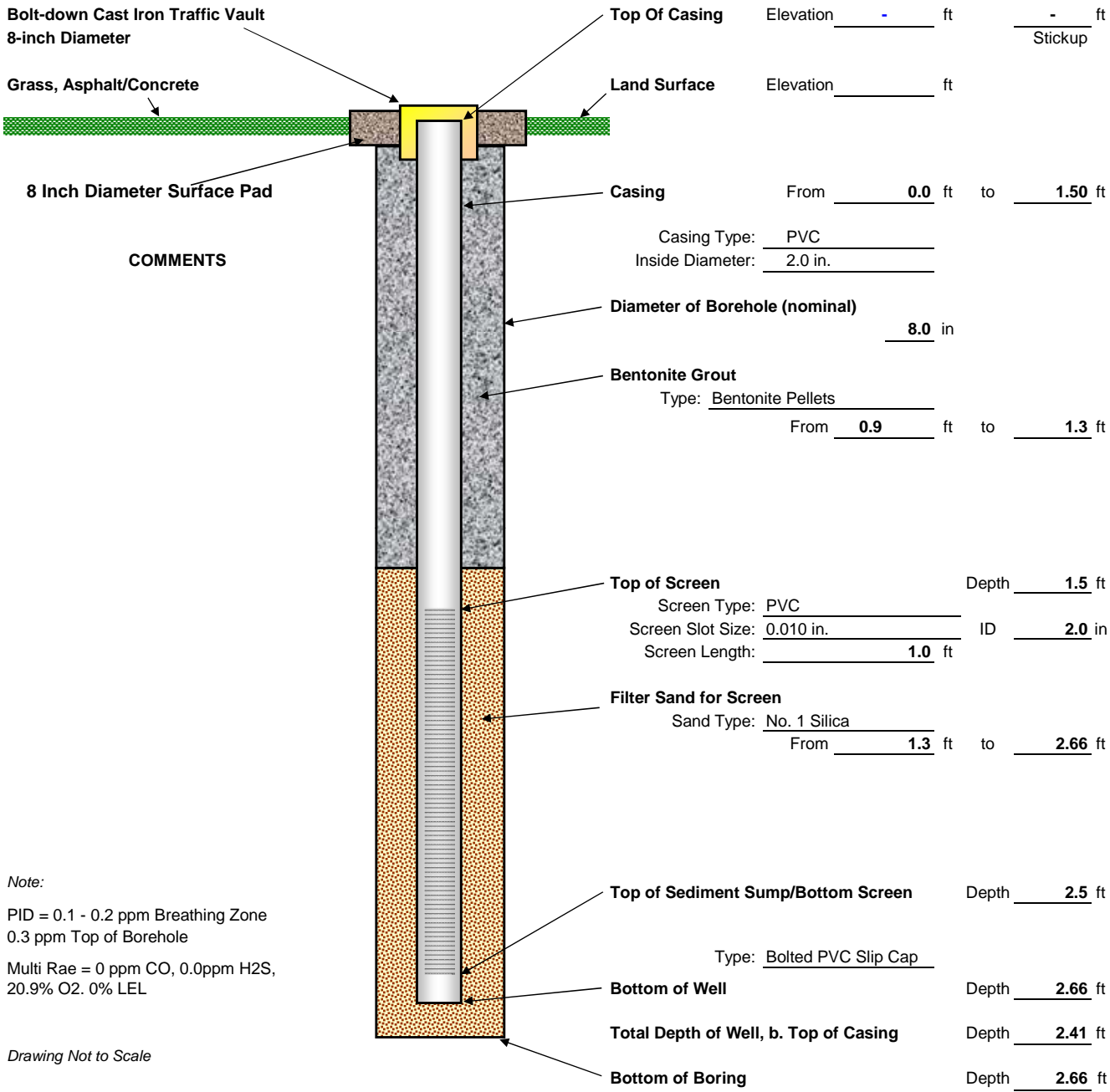
Note:
 PID = 0.3 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-17S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

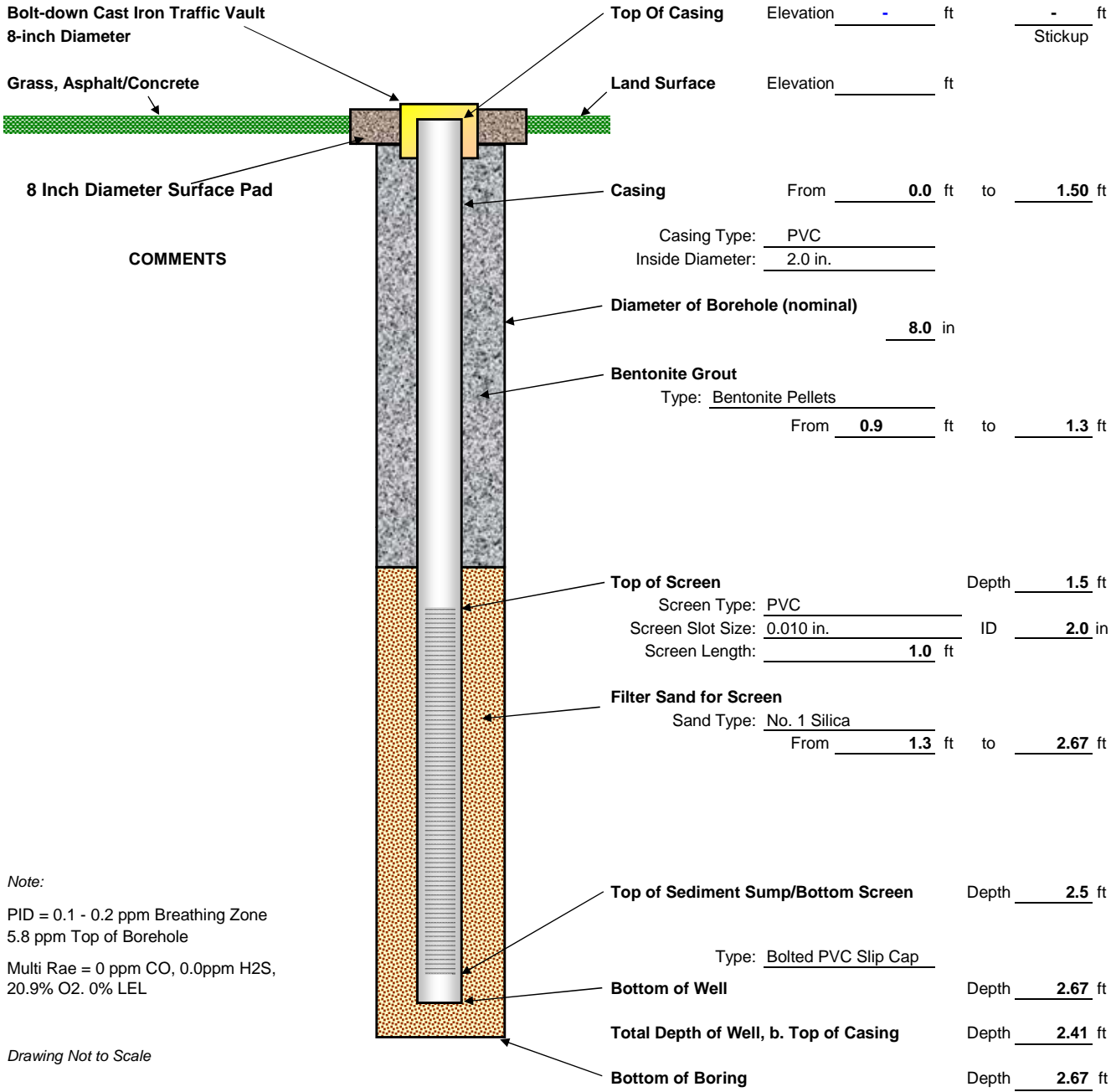


Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-18S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



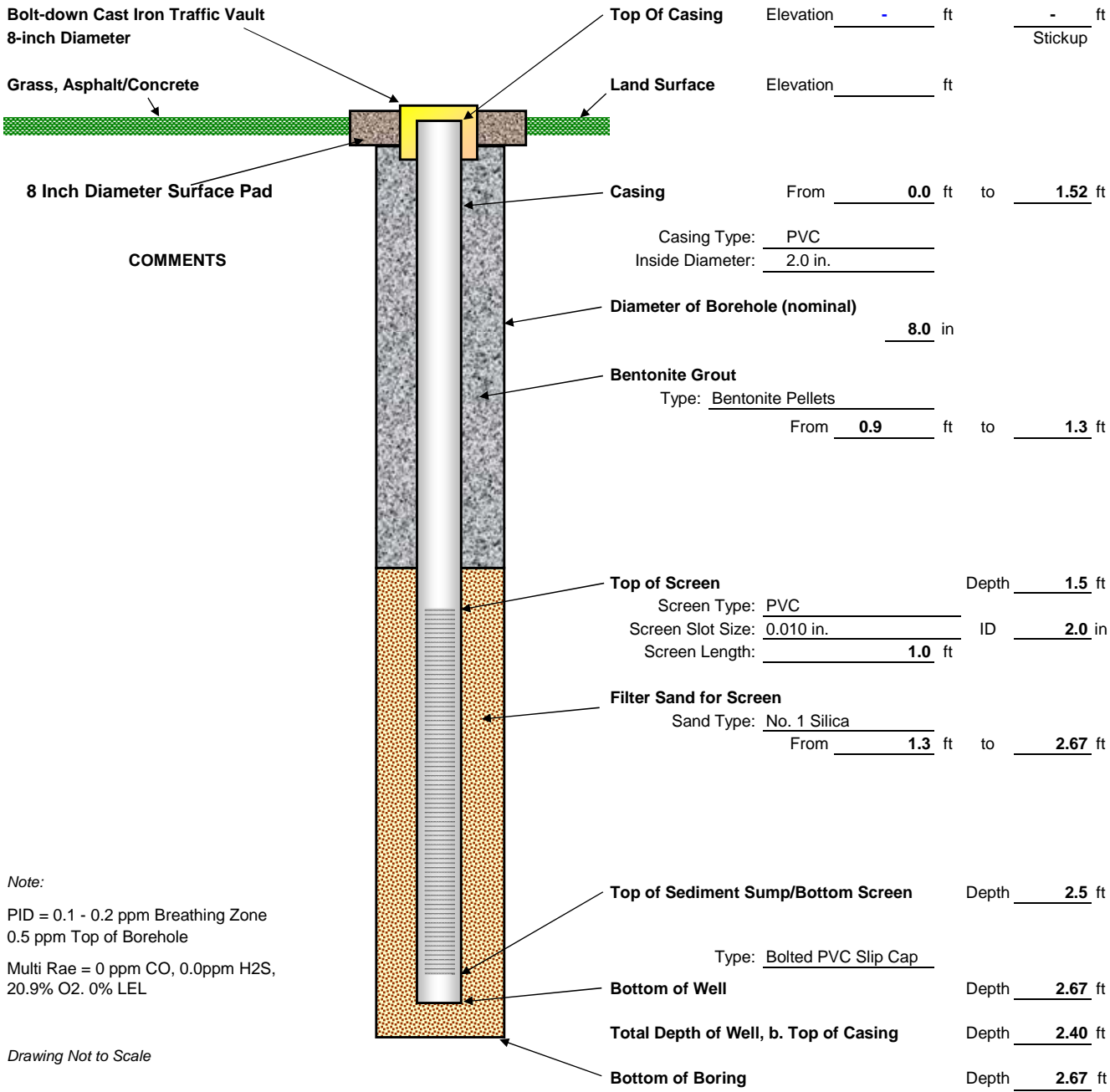
Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 5.8 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-19S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 10, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

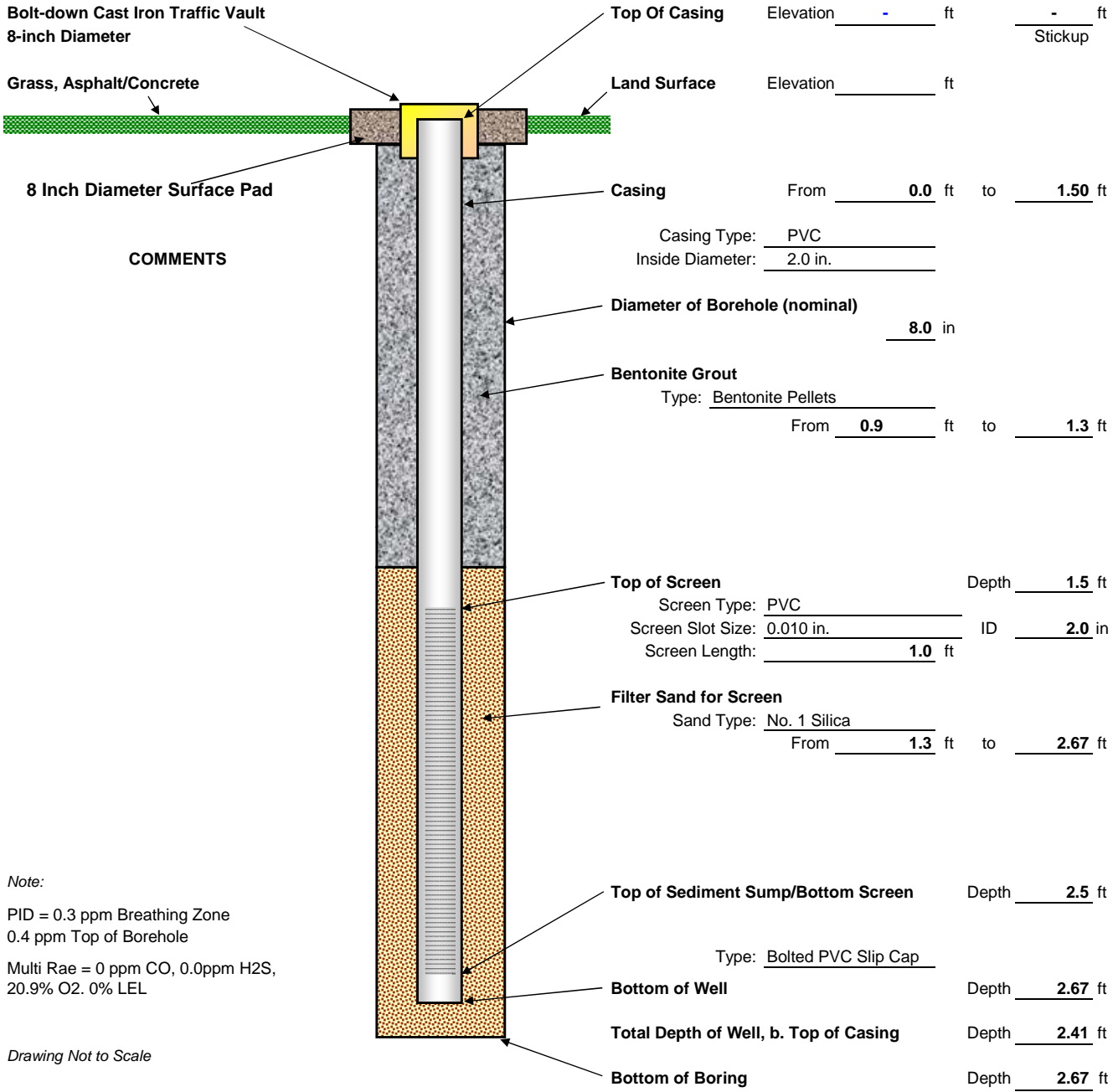
Note:
 PID = 0.1 - 0.2 ppm Breathing Zone
 0.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-20S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

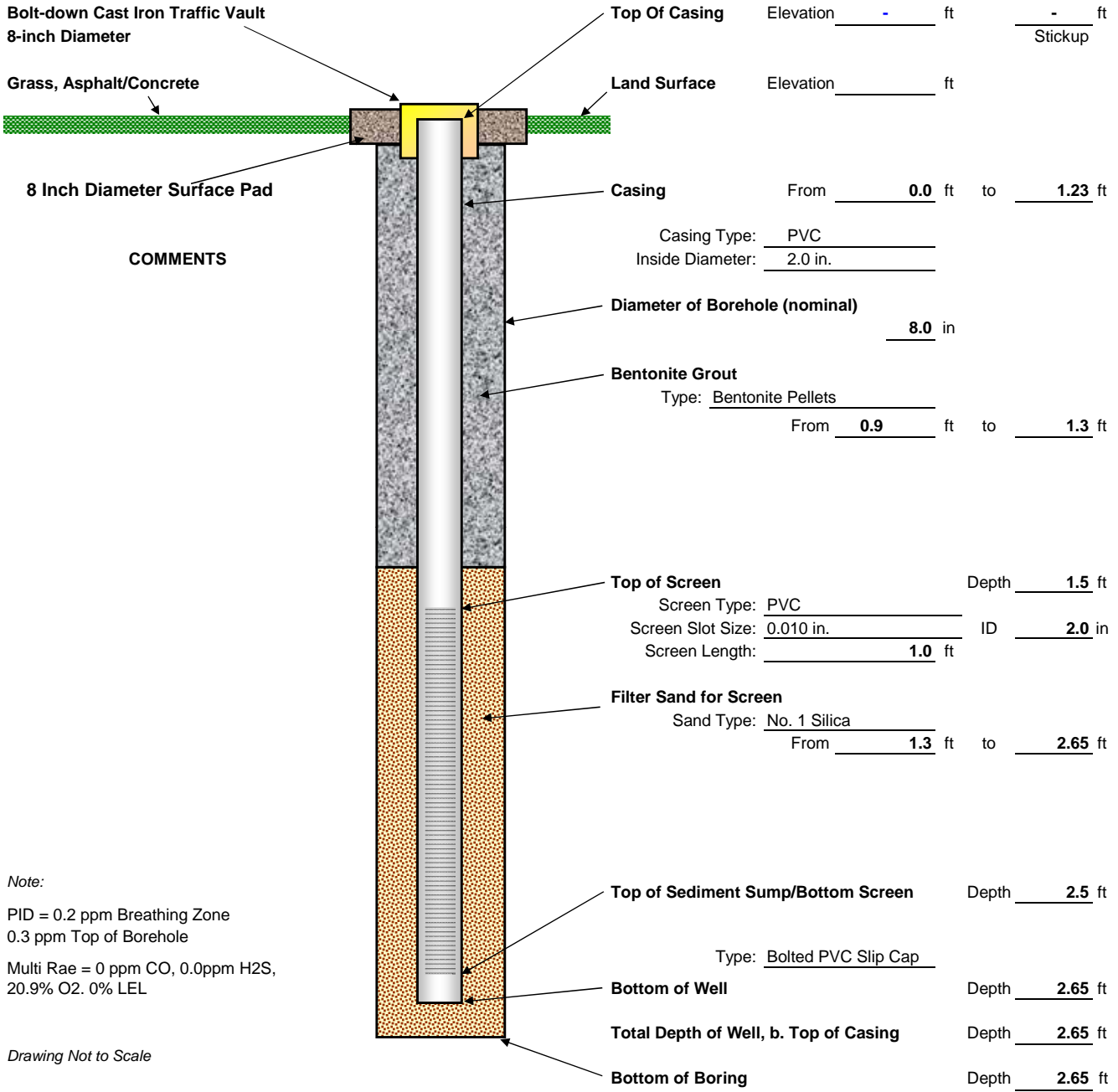


Note:
 PID = 0.3 ppm Breathing Zone
 0.4 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-21S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

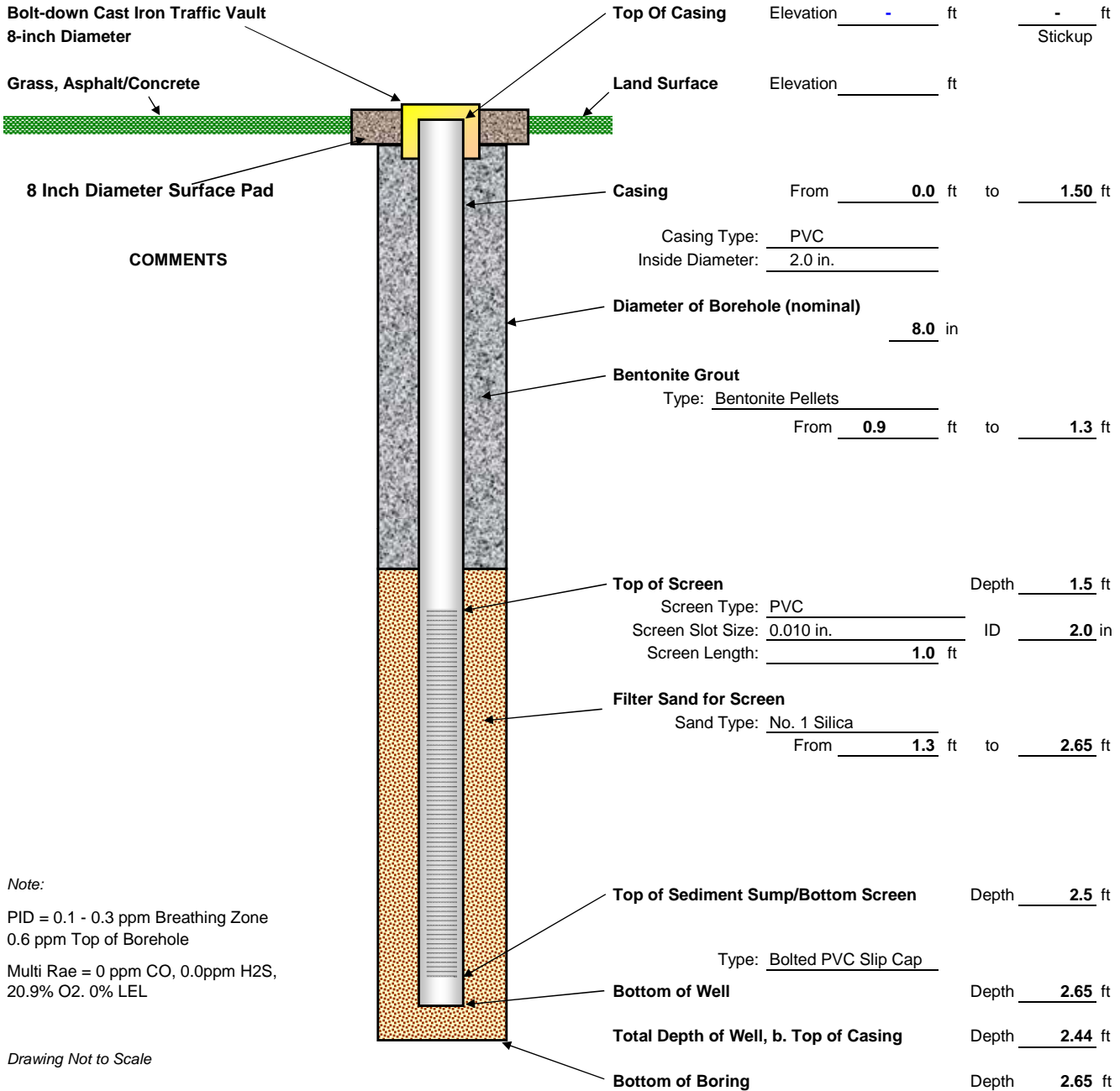
Note:
 PID = 0.2 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-23S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

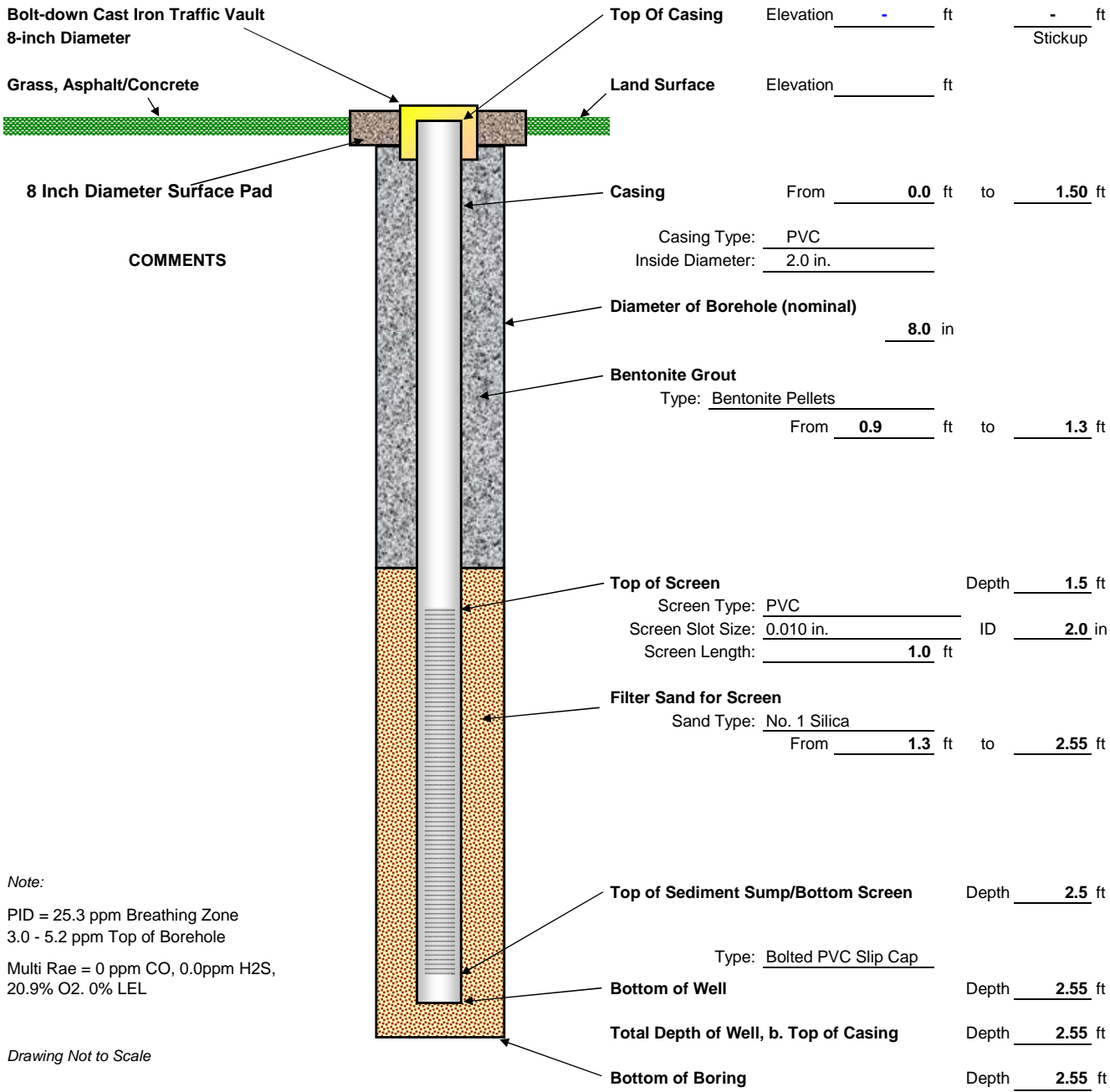
Note:
 PID = 0.1 - 0.3 ppm Breathing Zone
 0.6 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-24S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

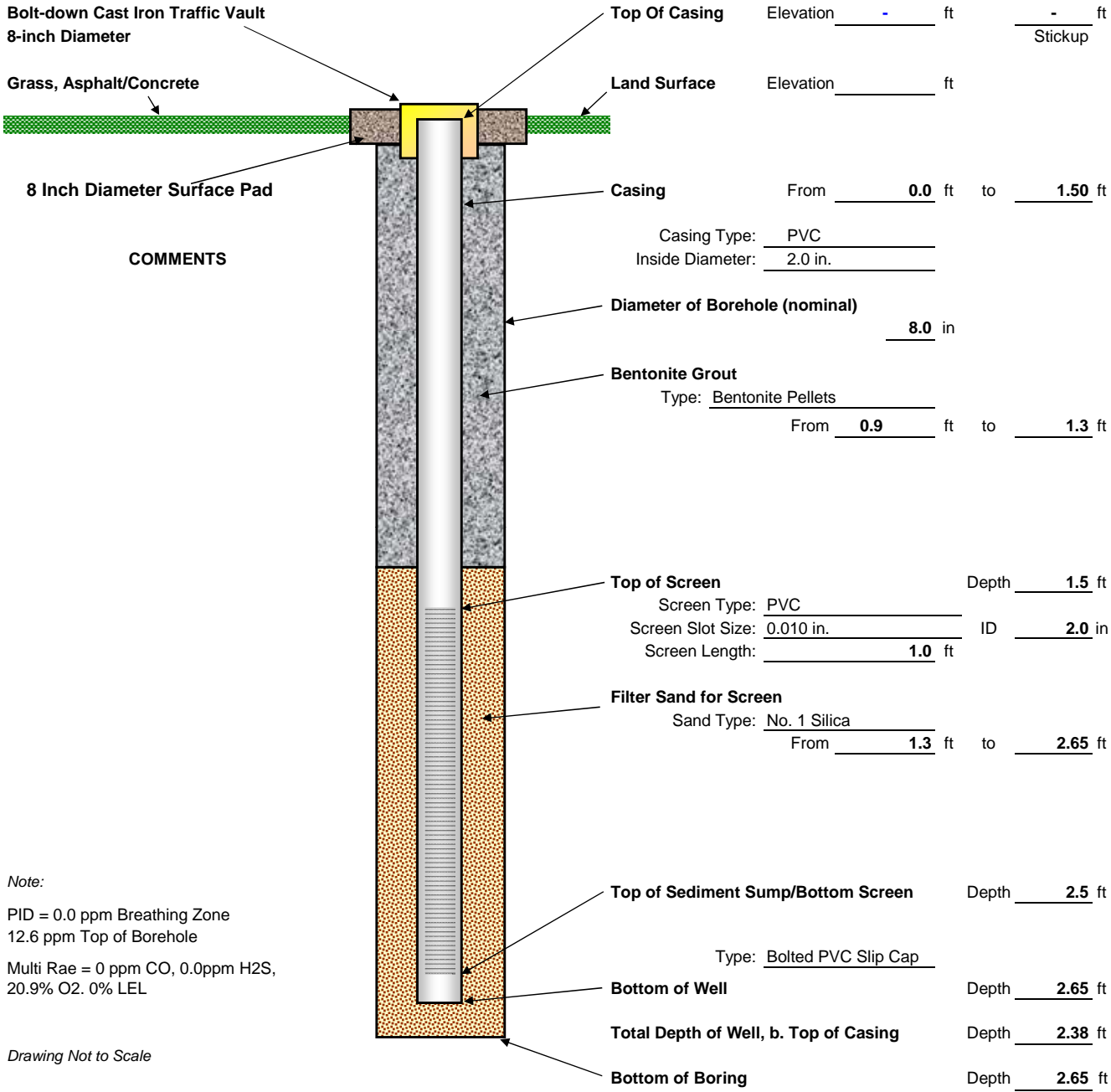
Note:
 PID = 25.3 ppm Breathing Zone
 3.0 - 5.2 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-25S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

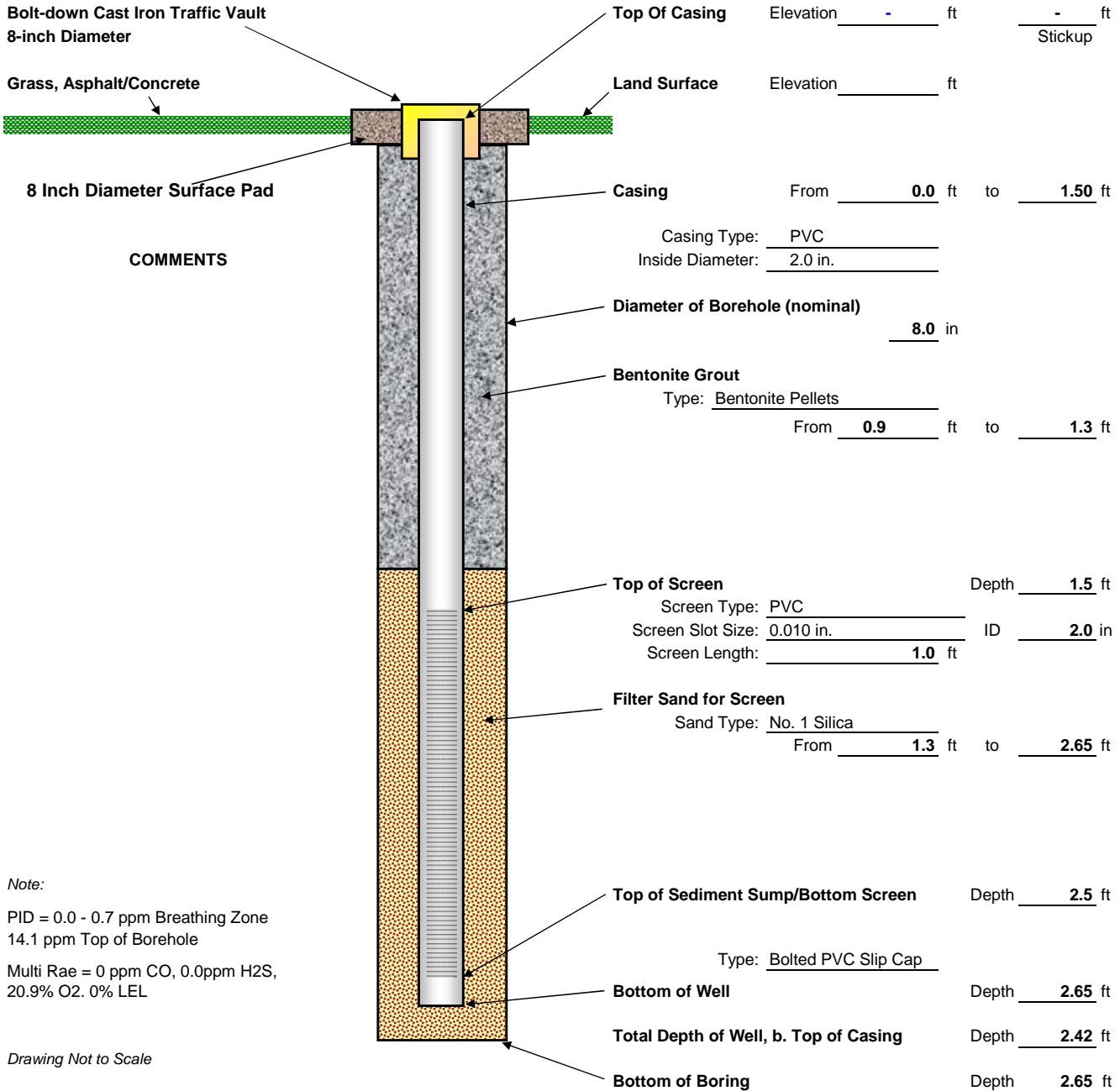


Note:
 PID = 0.0 ppm Breathing Zone
 12.6 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-26S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

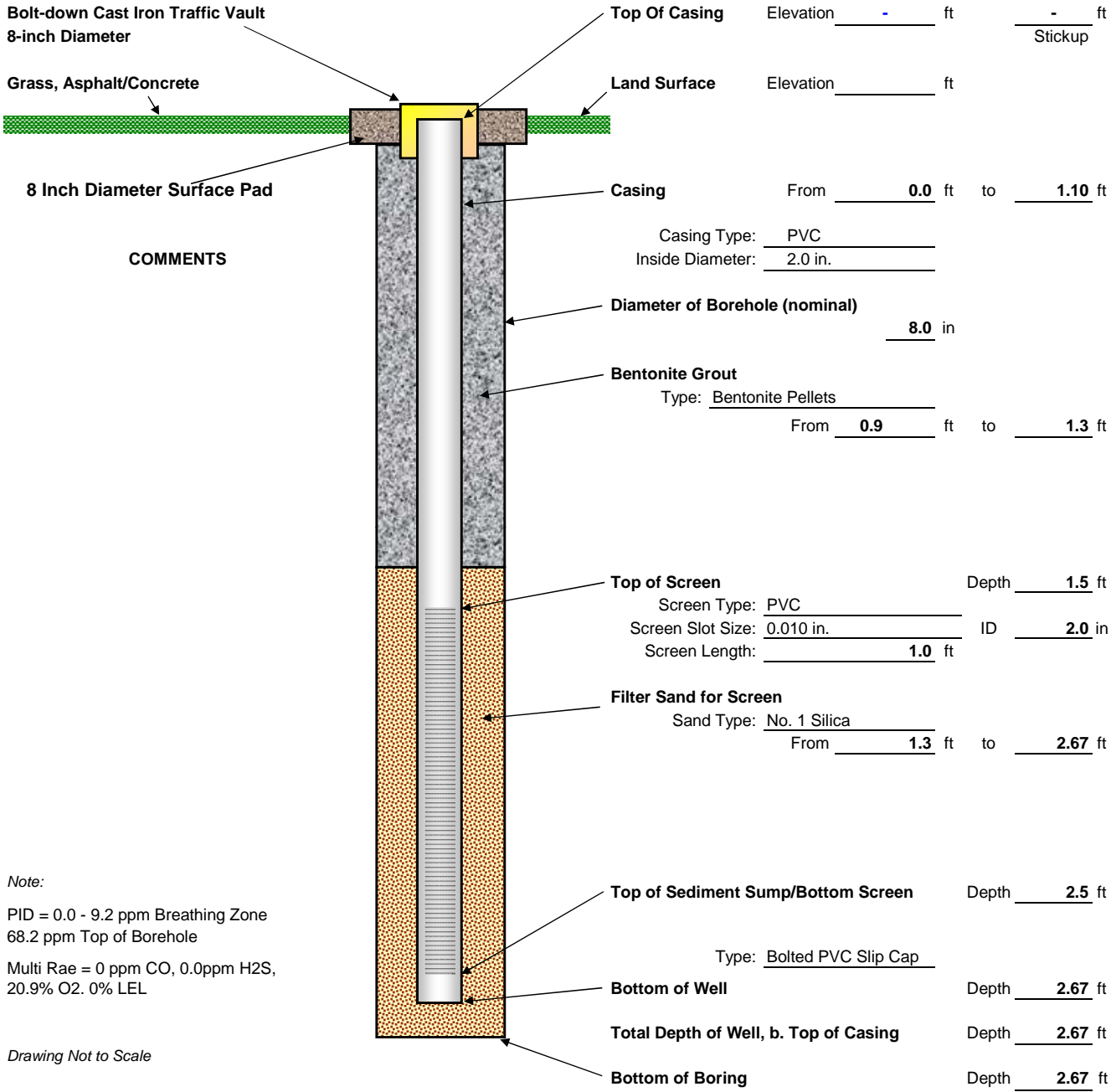
Note:
 PID = 0.0 - 0.7 ppm Breathing Zone
 14.1 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-27S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

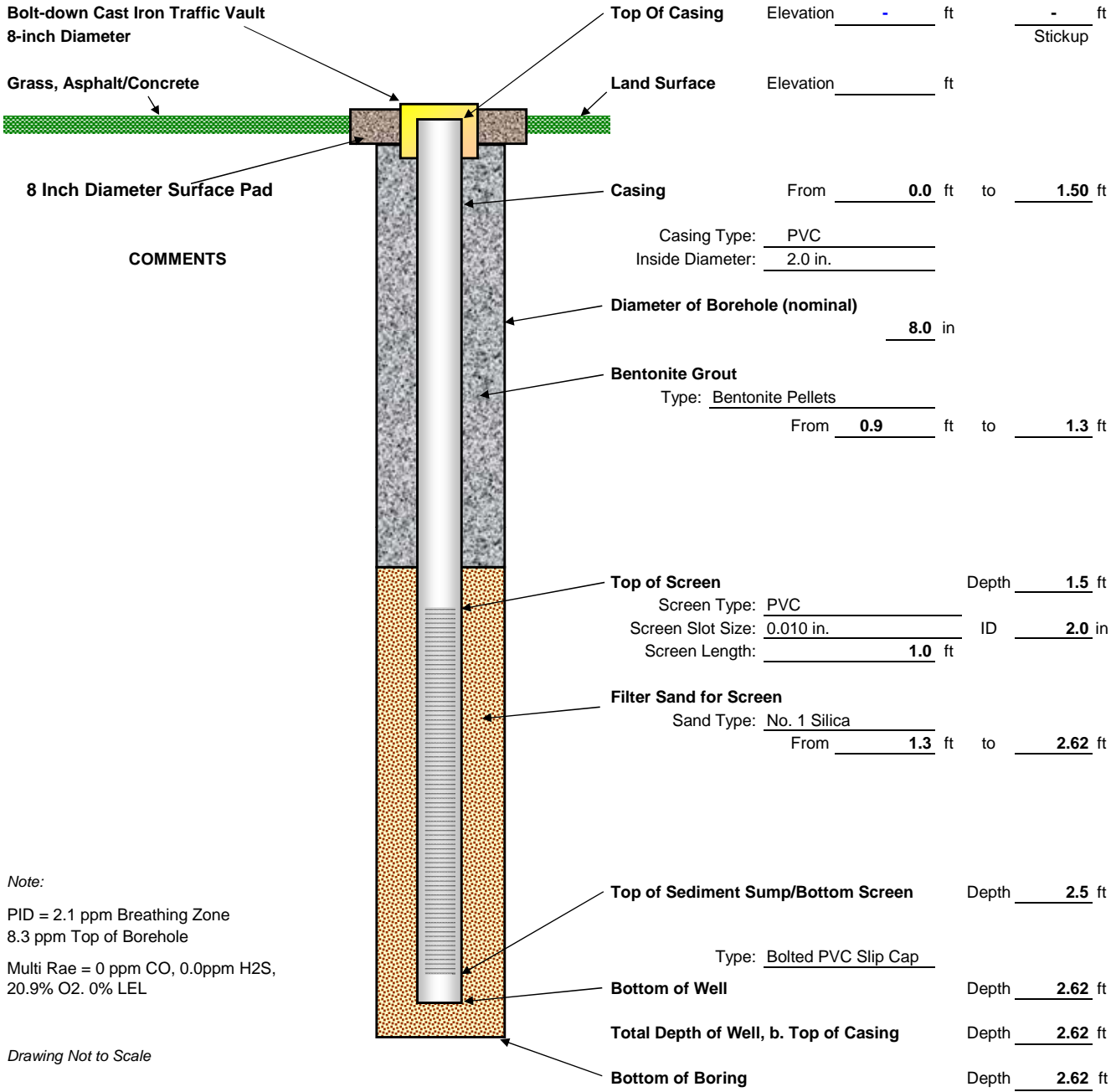
Note:
 PID = 0.0 - 9.2 ppm Breathing Zone
 68.2 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-28S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

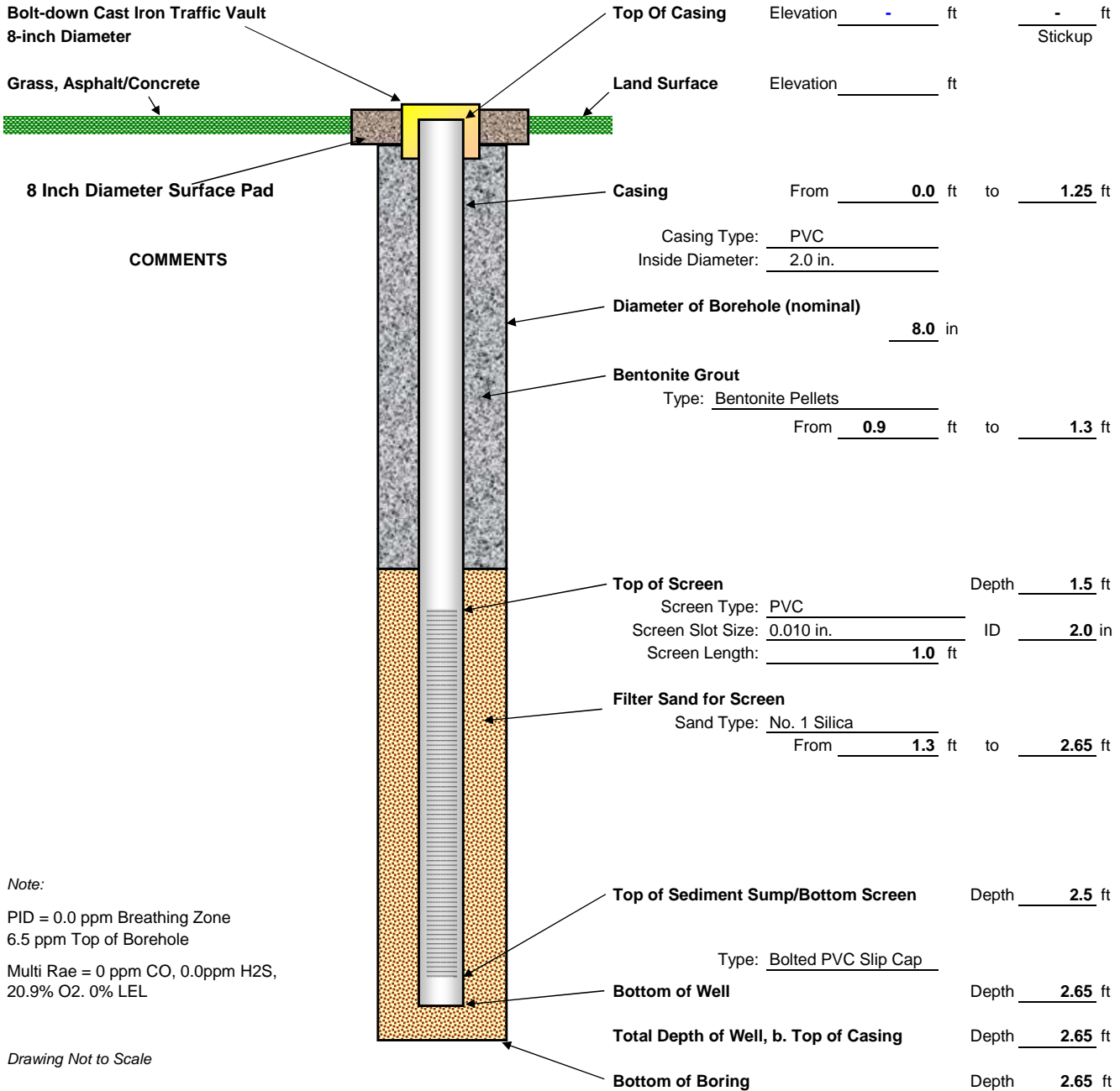


Note:
 PID = 2.1 ppm Breathing Zone
 8.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-29S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 9, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

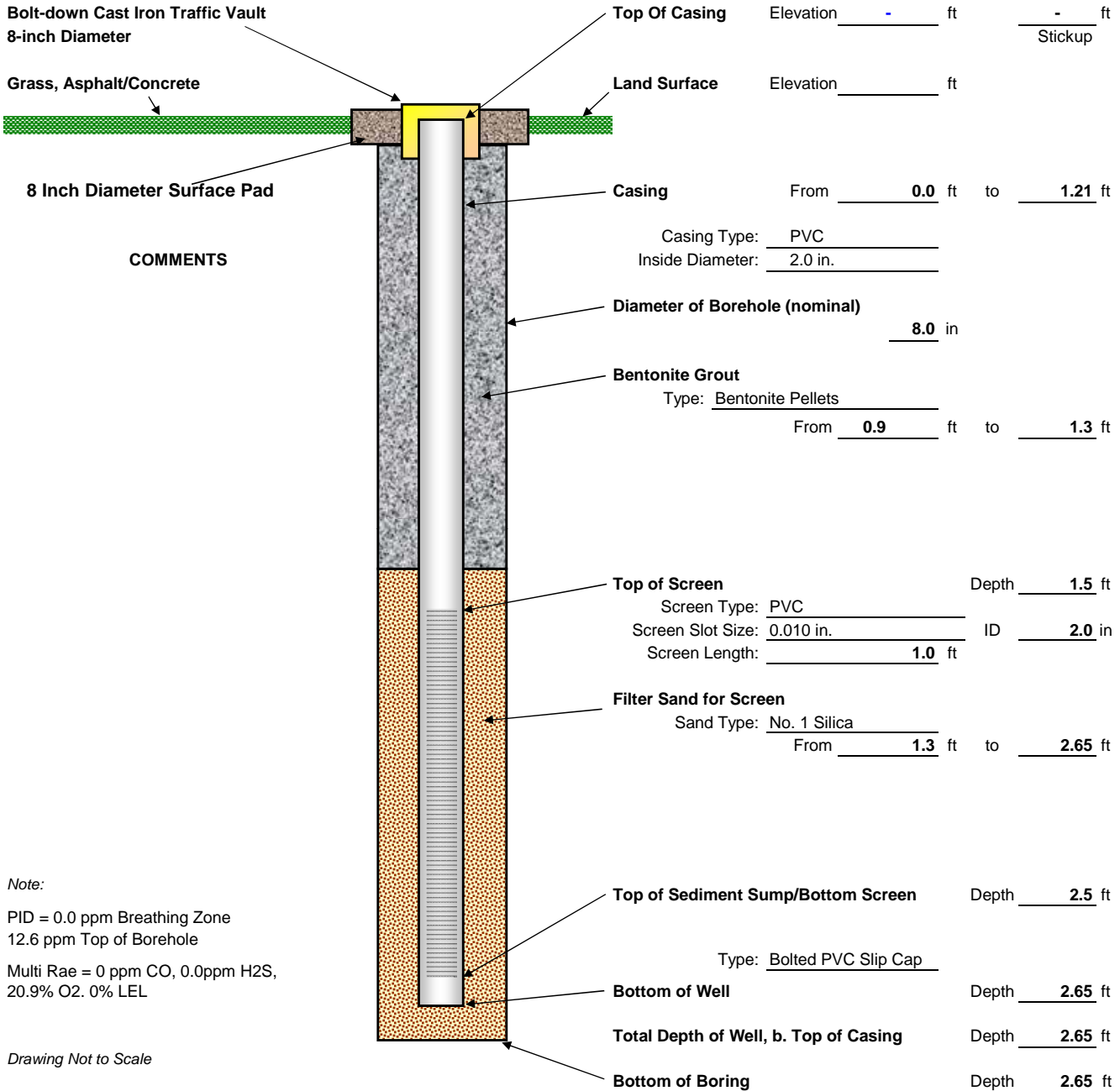


Note:
 PID = 0.0 ppm Breathing Zone
 6.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-30S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -

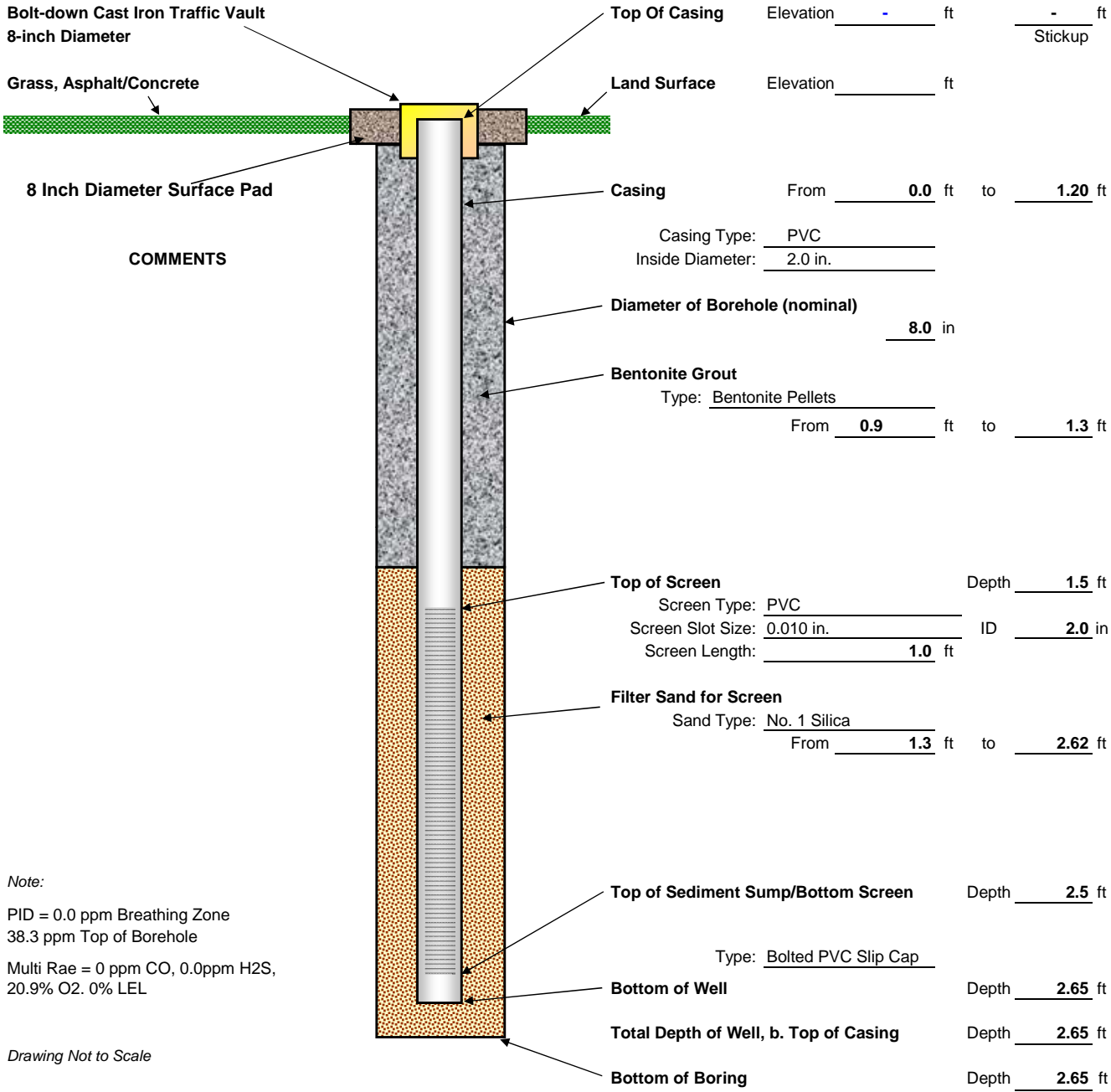


Note:
 PID = 0.0 ppm Breathing Zone
 12.6 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale
All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-31S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

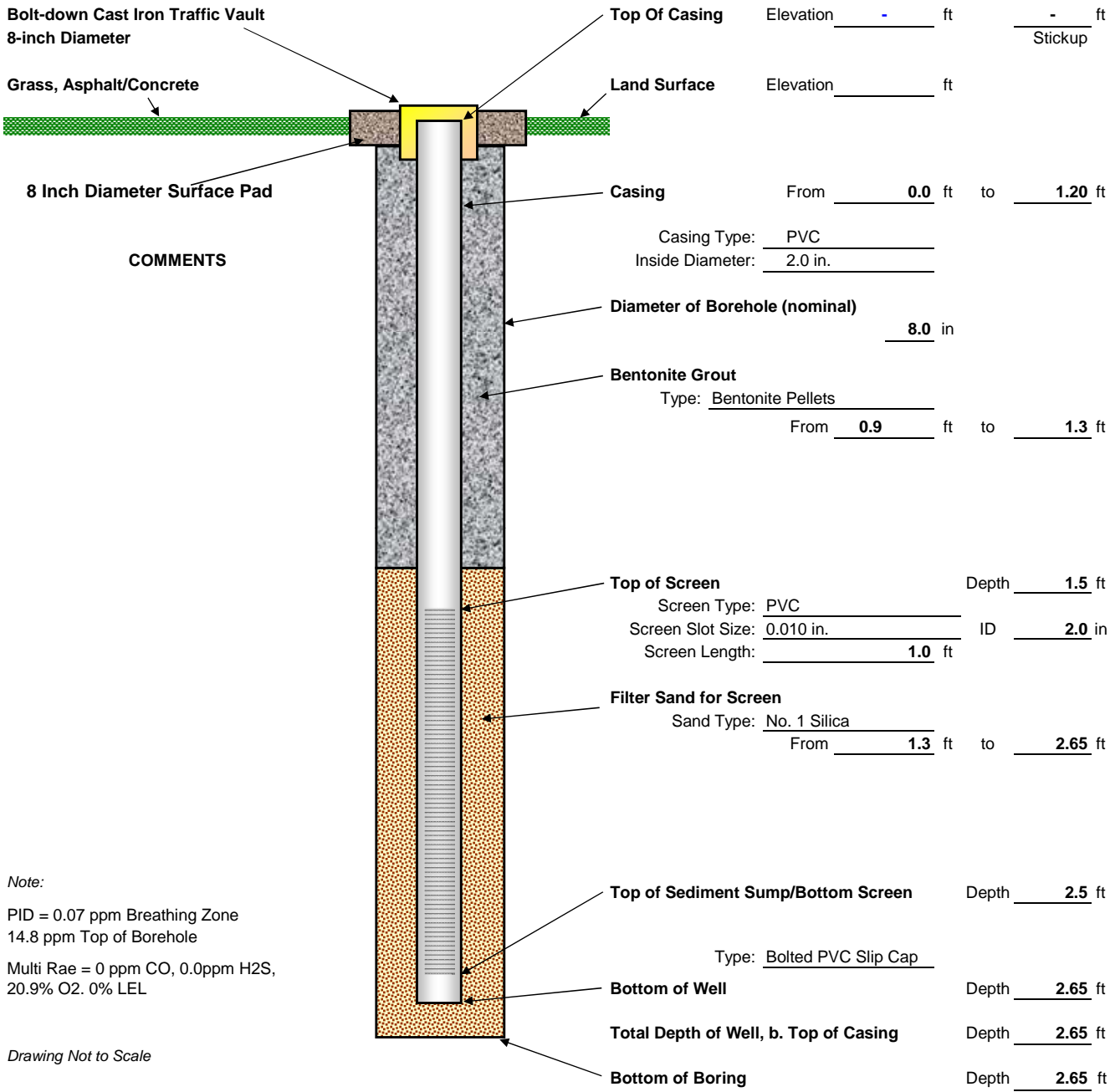
Note:
 PID = 0.0 ppm Breathing Zone
 38.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SEC1-32S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 8, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

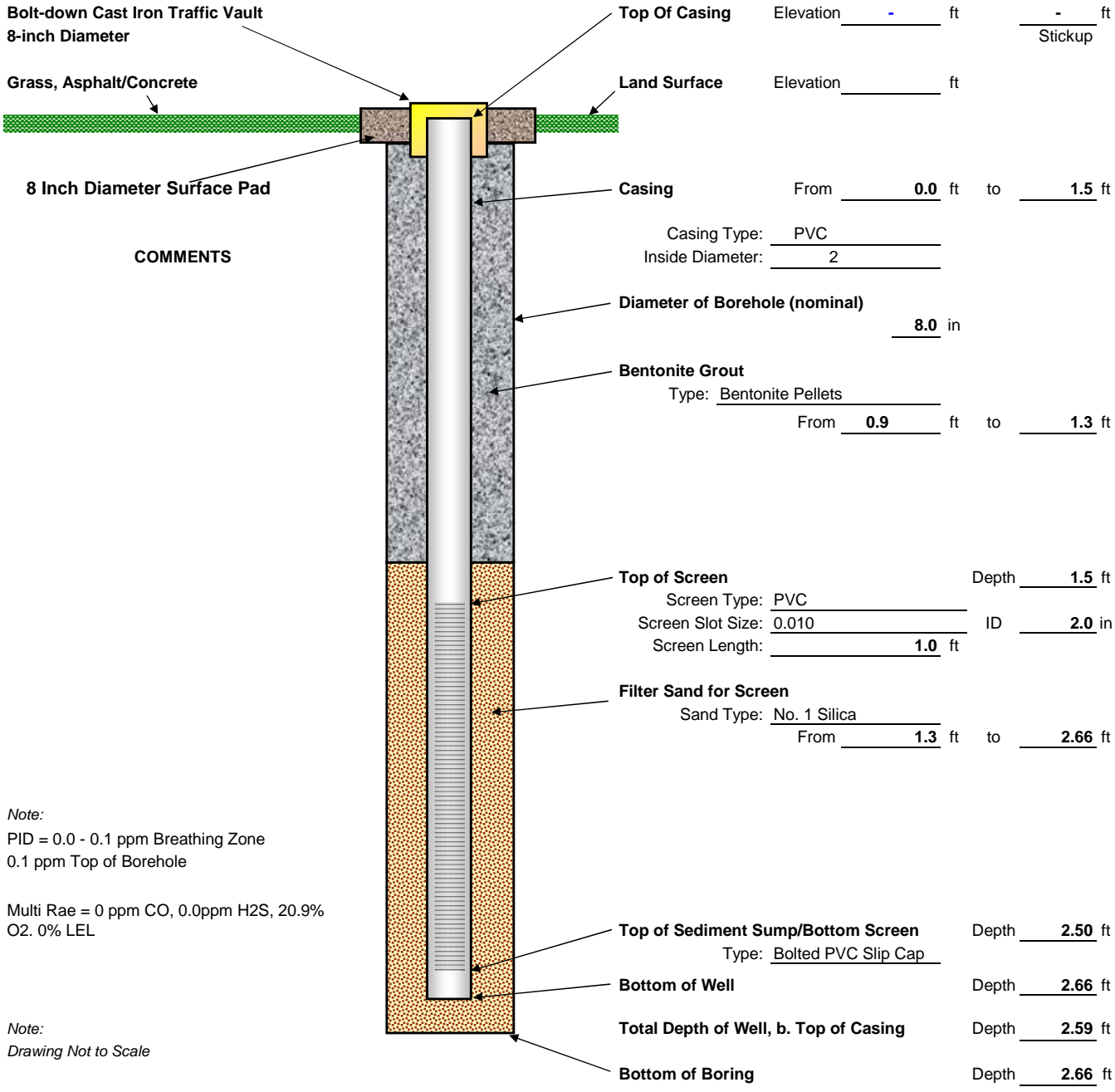
Note:
 PID = 0.07 ppm Breathing Zone
 14.8 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S,
 20.9% O2. 0% LEL

Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-01S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
PID = 0.0 - 0.1 ppm Breathing Zone
0.1 ppm Top of Borehole

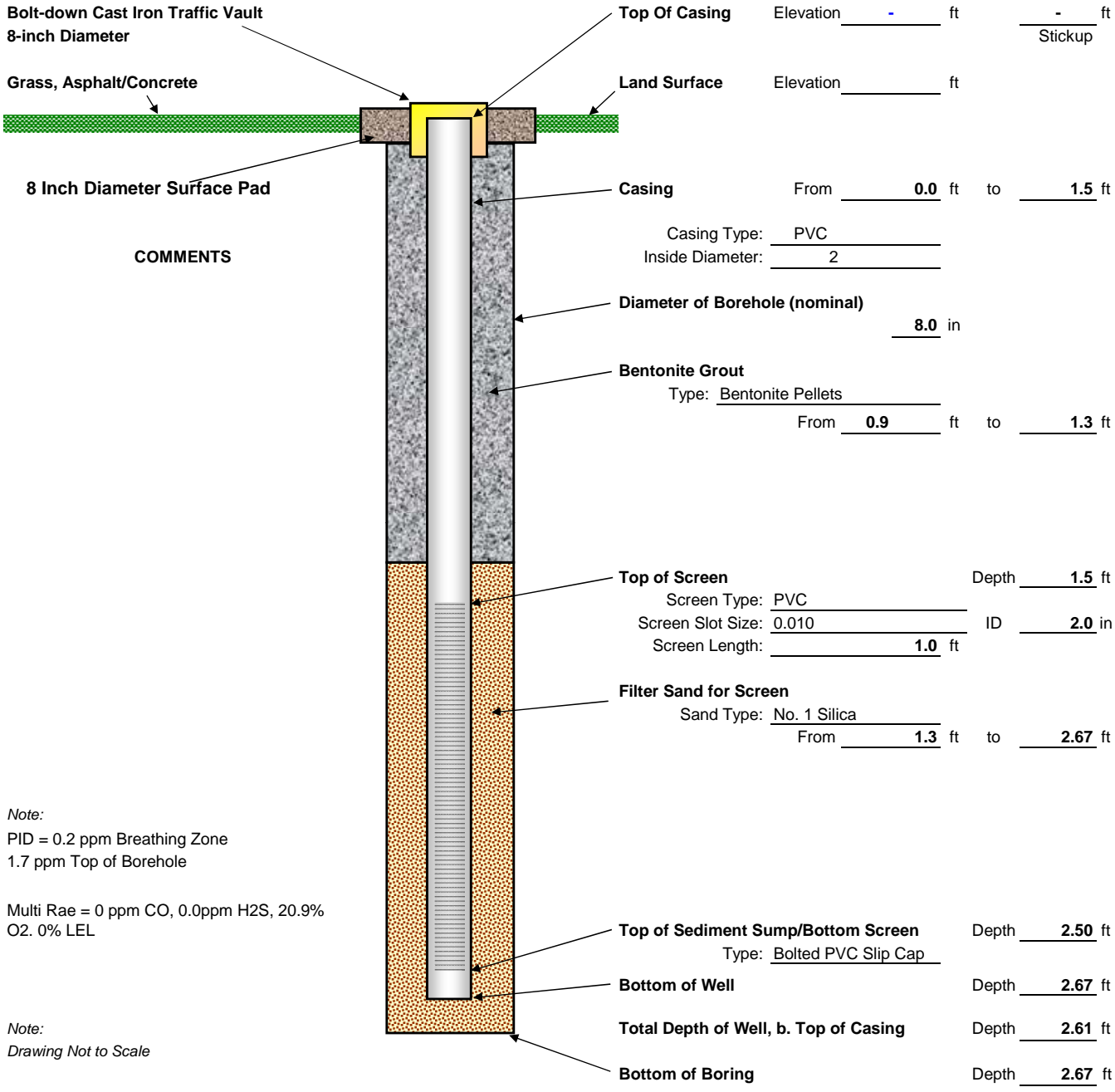
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-02S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.2 ppm Breathing Zone
 1.7 ppm Top of Borehole

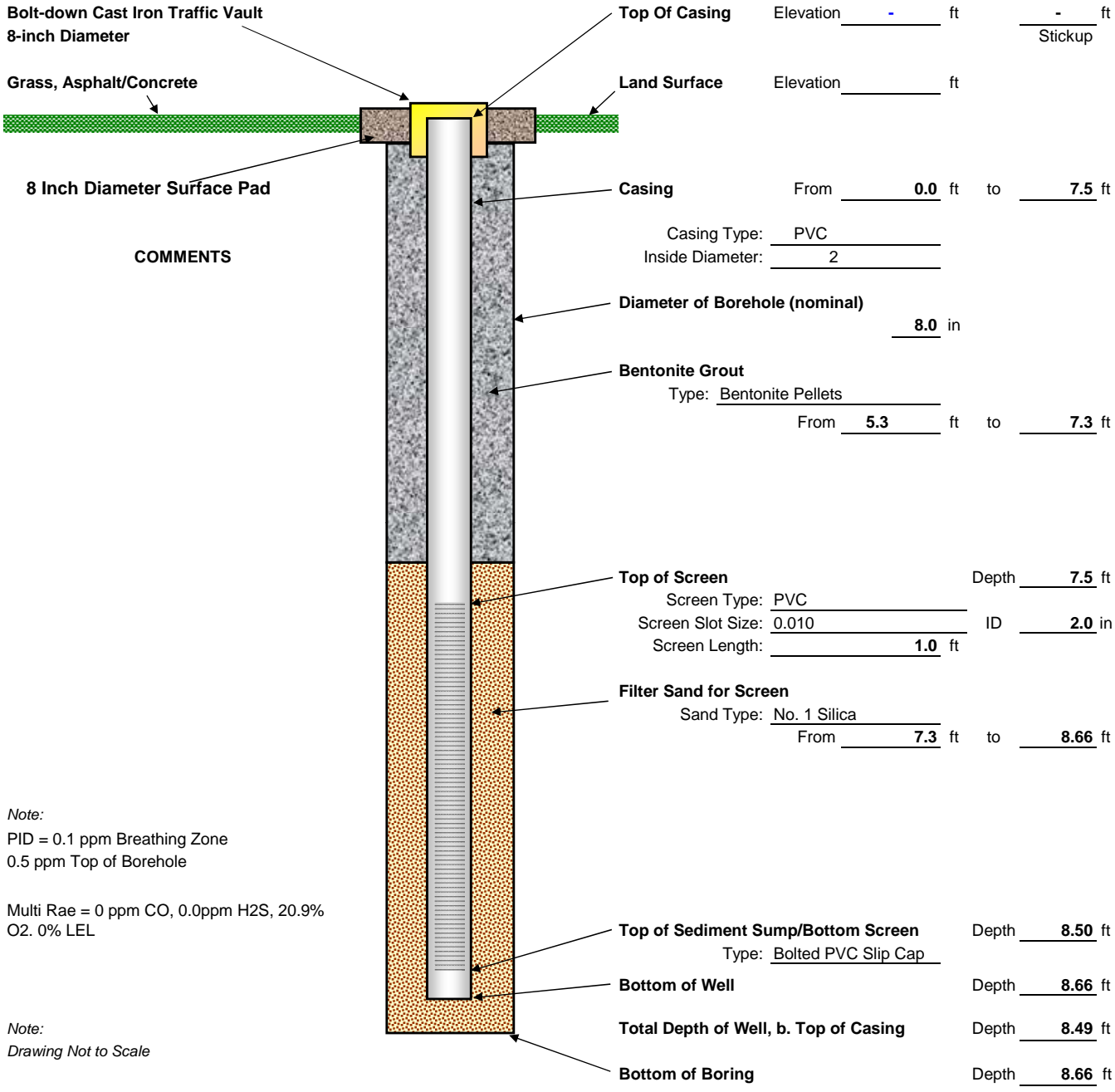
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-03D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



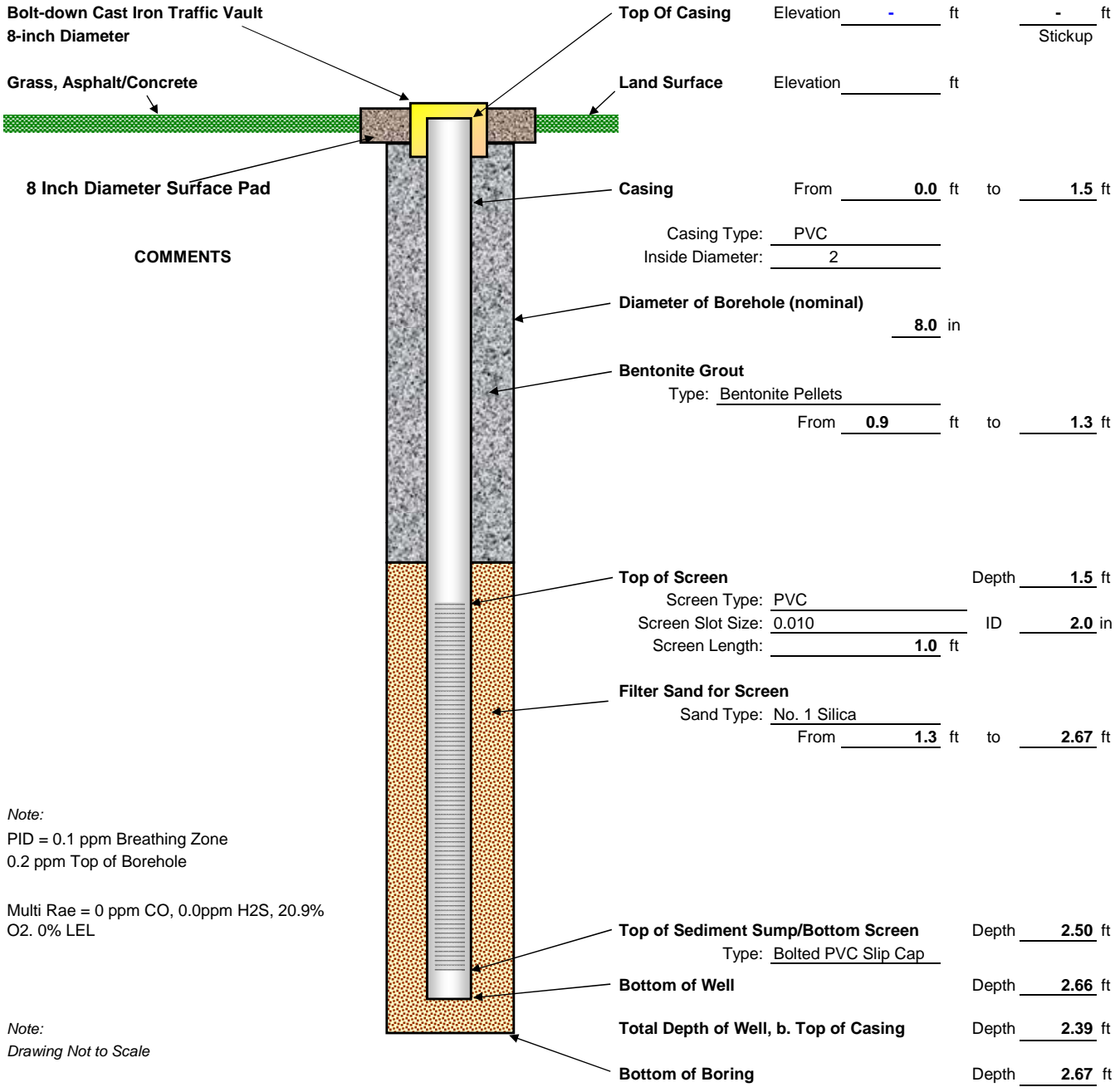
Note:
 PID = 0.1 ppm Breathing Zone
 0.5 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-03S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
 PID = 0.1 ppm Breathing Zone
 0.2 ppm Top of Borehole

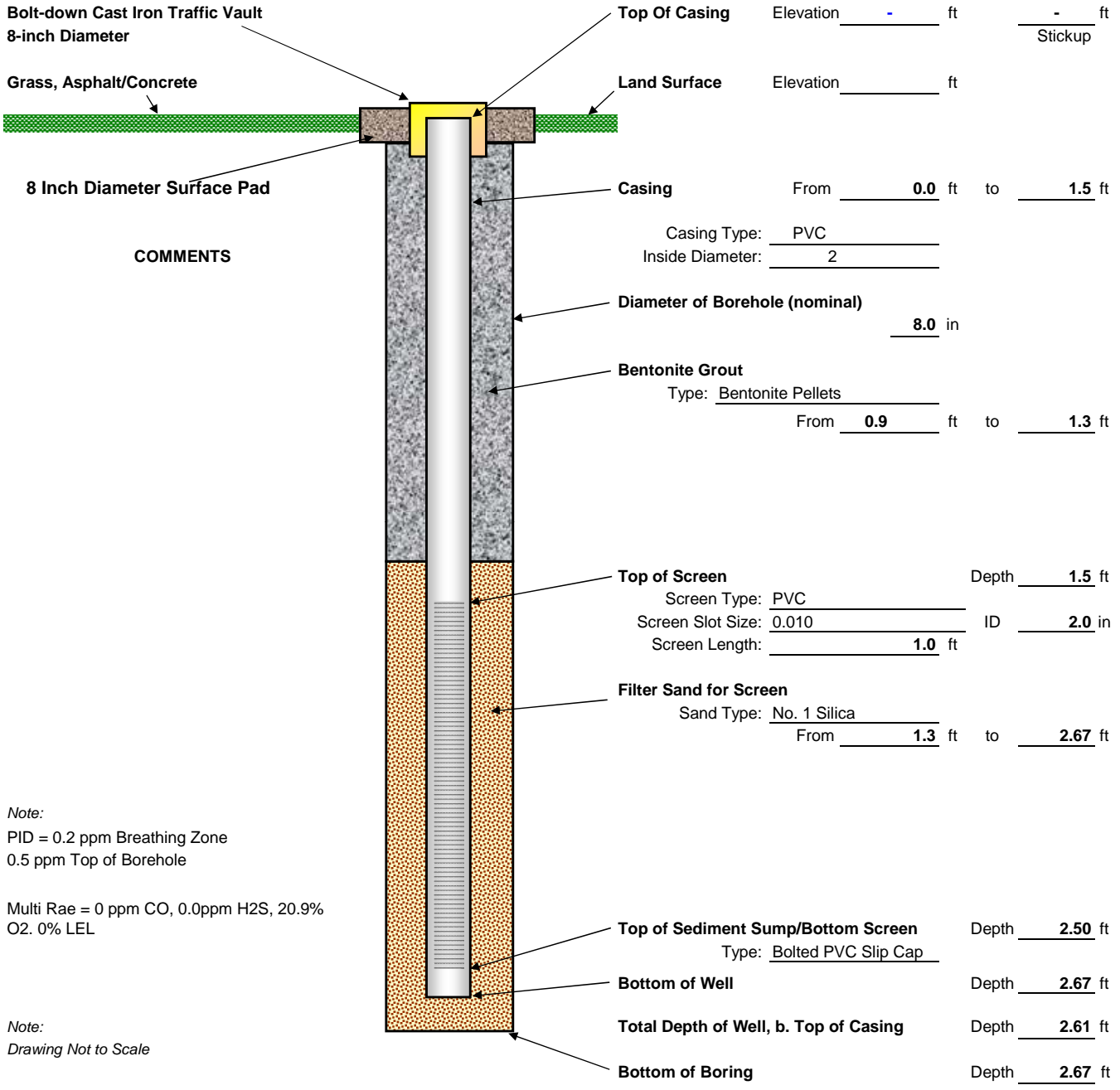
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-03SR
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.2 ppm Breathing Zone
 0.5 ppm Top of Borehole

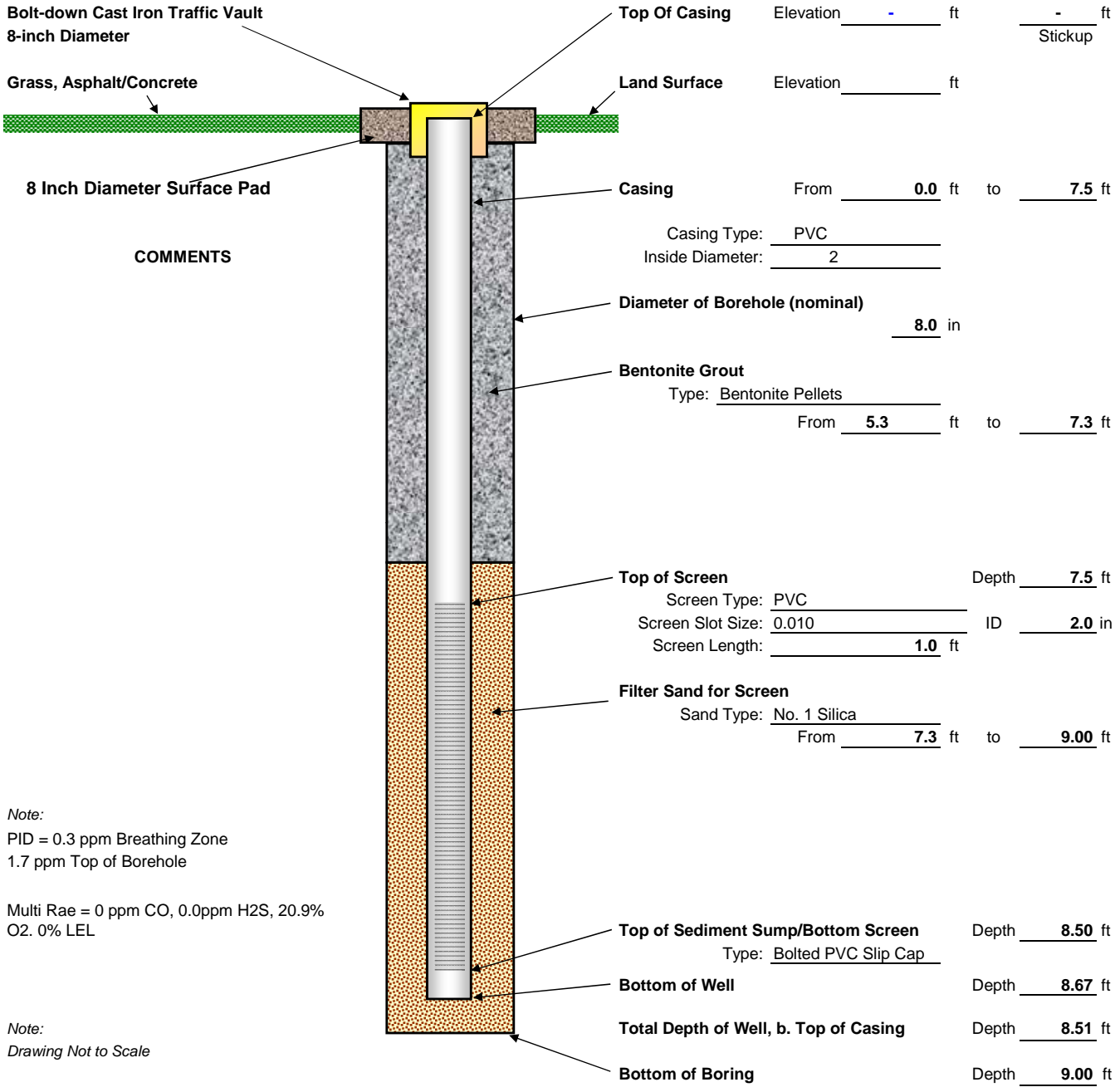
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-04D
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



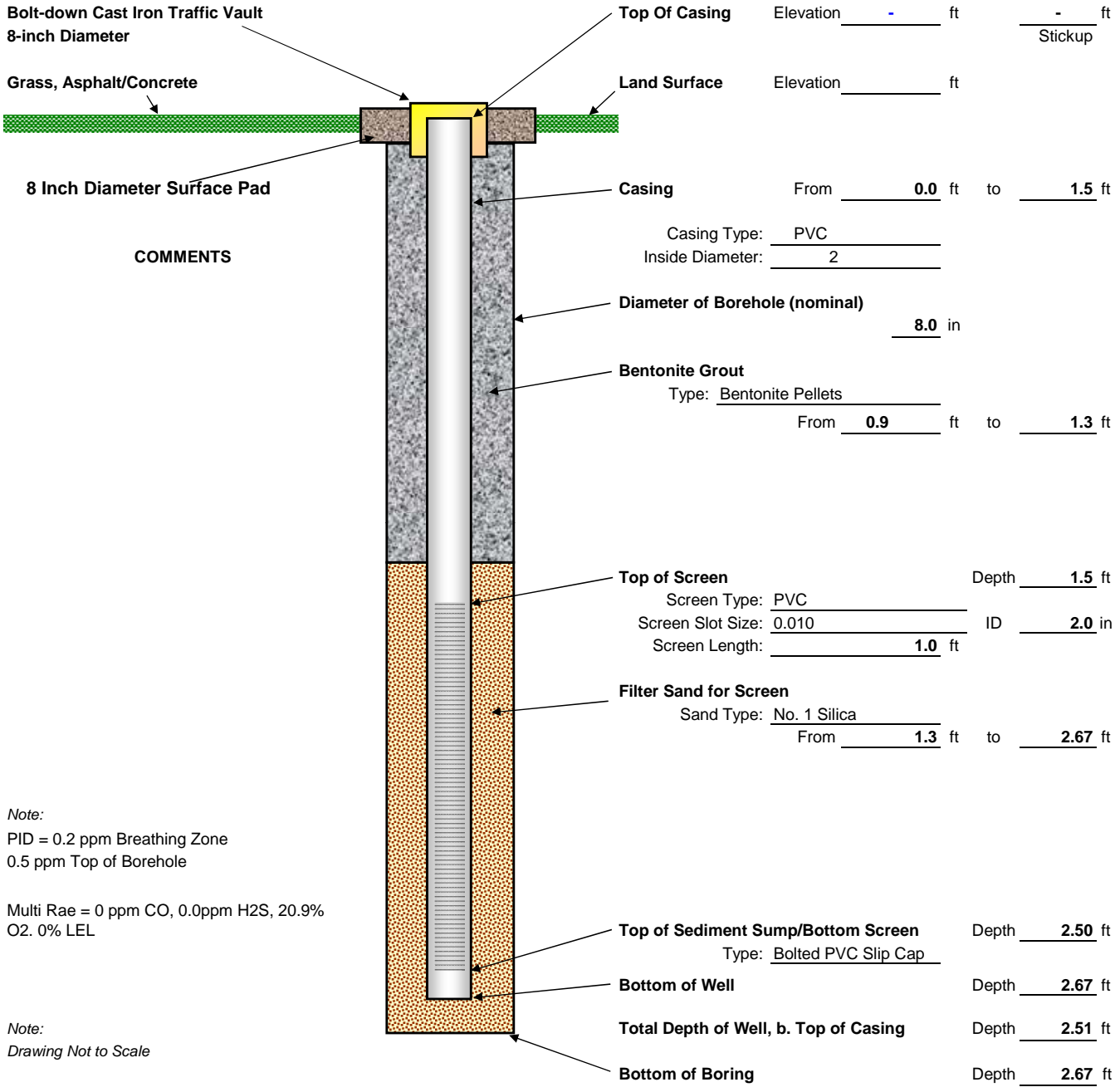
Note:
 PID = 0.3 ppm Breathing Zone
 1.7 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-04S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
 PID = 0.2 ppm Breathing Zone
 0.5 ppm Top of Borehole

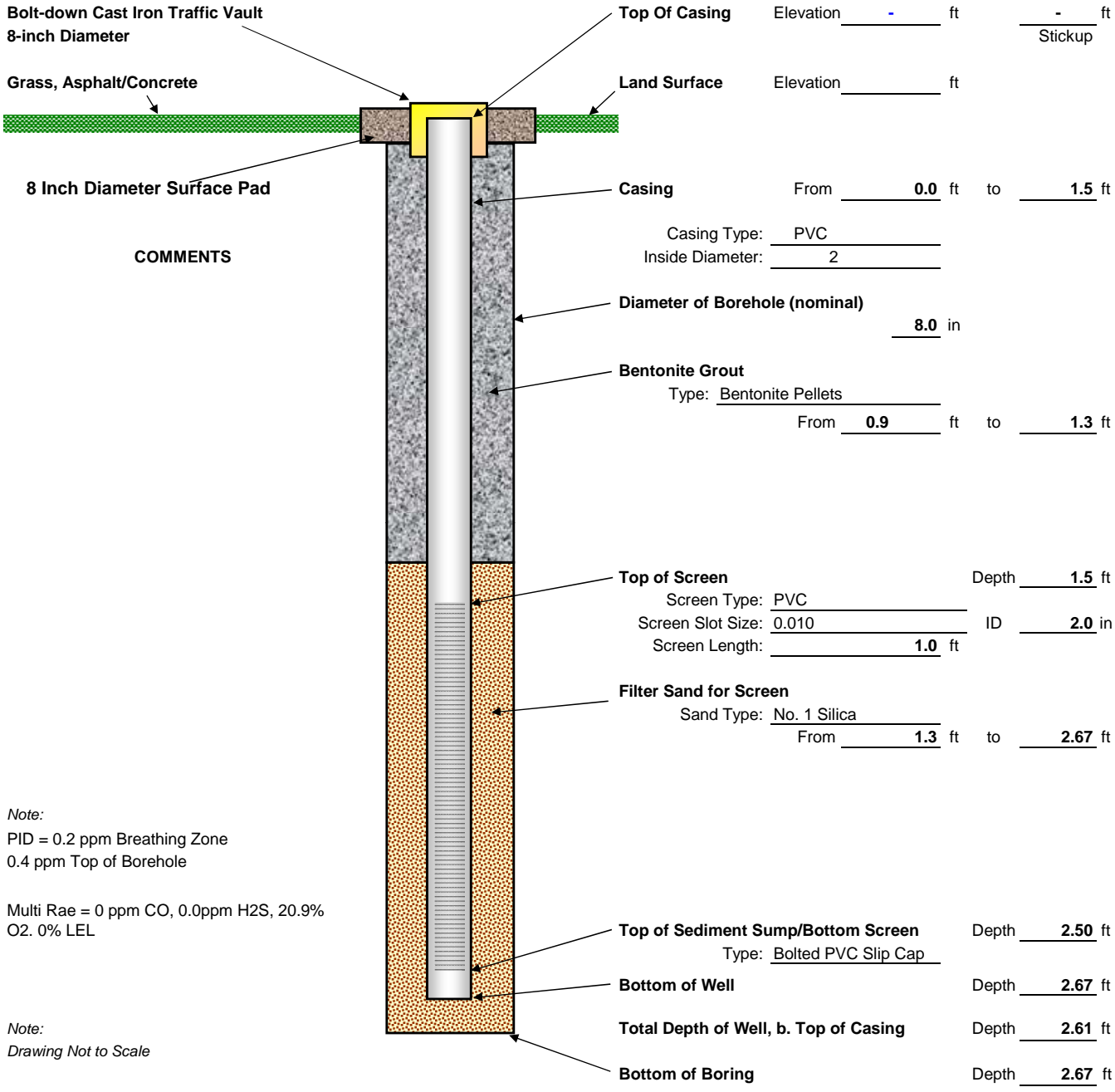
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-04SR
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
 PID = 0.2 ppm Breathing Zone
 0.4 ppm Top of Borehole

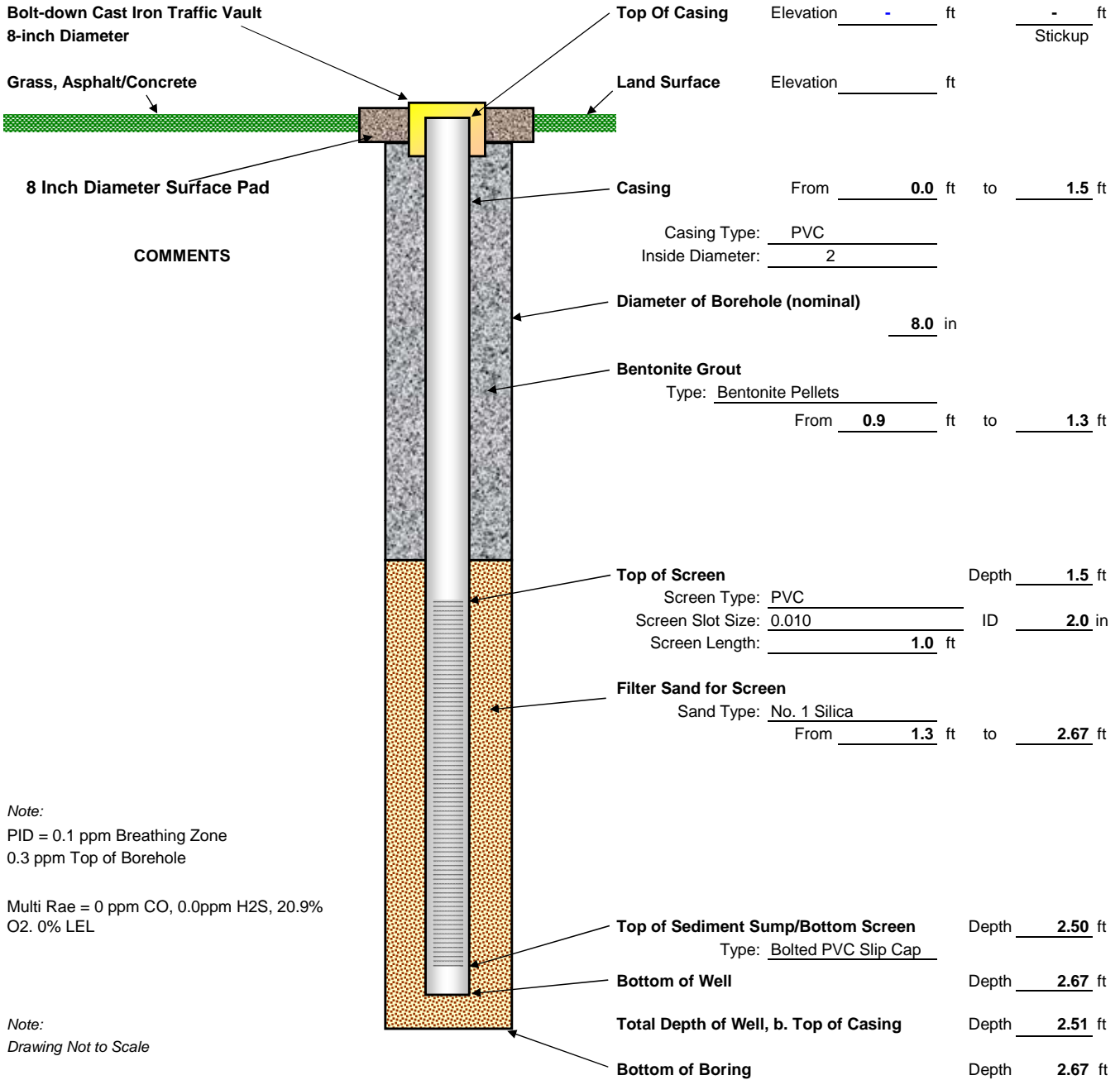
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-05S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



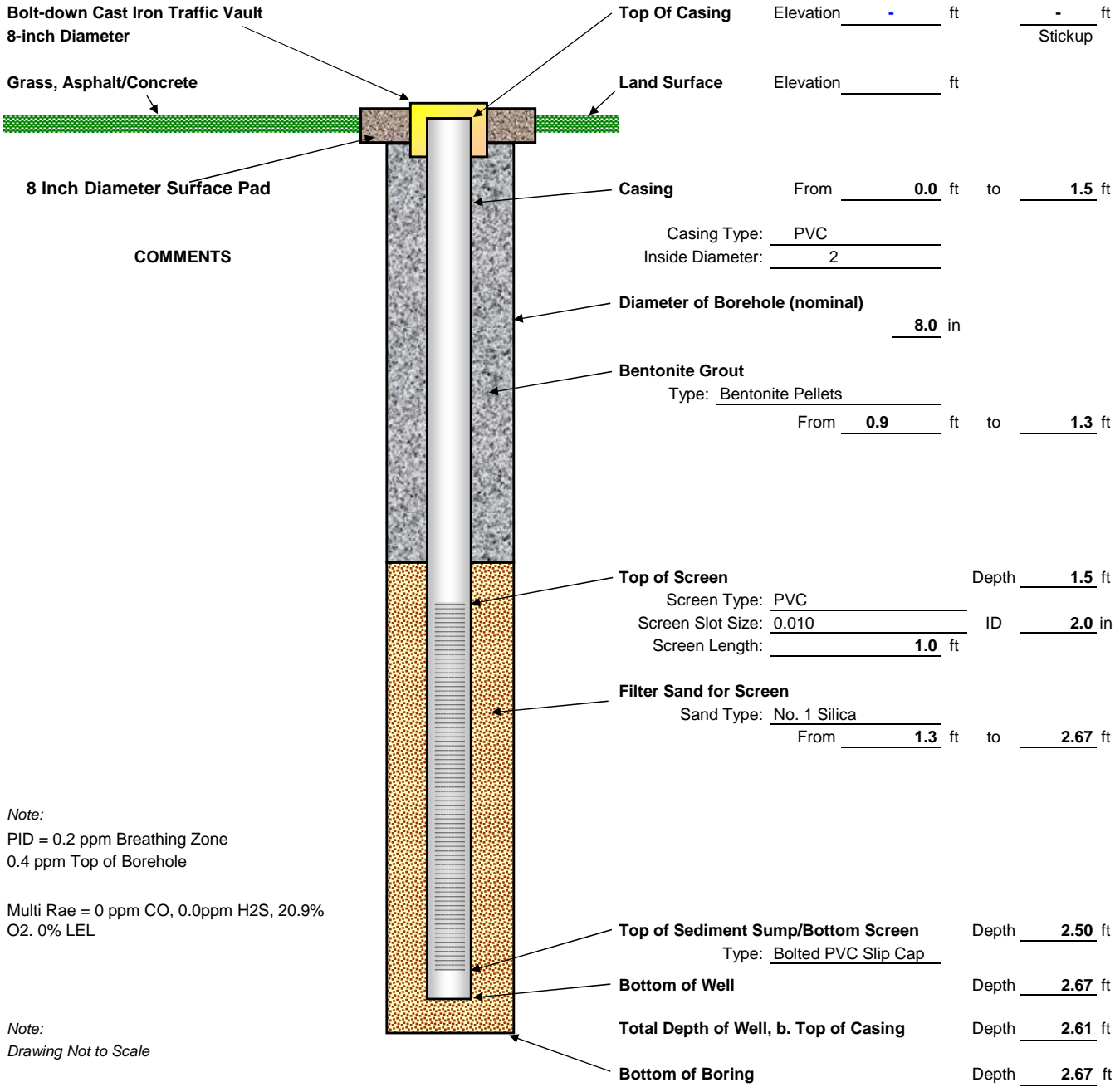
Note:
 PID = 0.1 ppm Breathing Zone
 0.3 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-05SR
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth/M. Herndon **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.2 ppm Breathing Zone
 0.4 ppm Top of Borehole

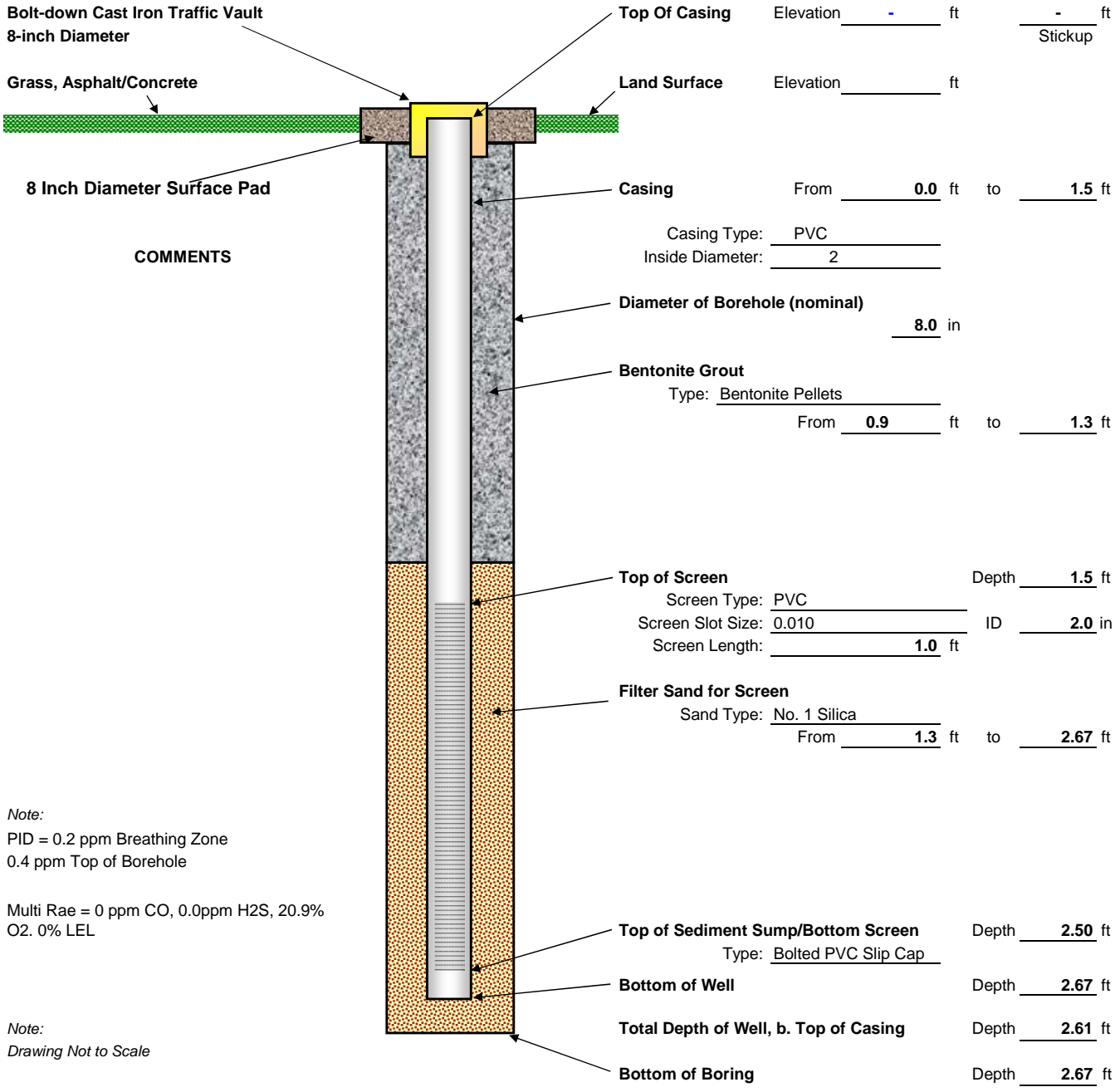
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-06S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
PID = 0.2 ppm Breathing Zone
0.4 ppm Top of Borehole

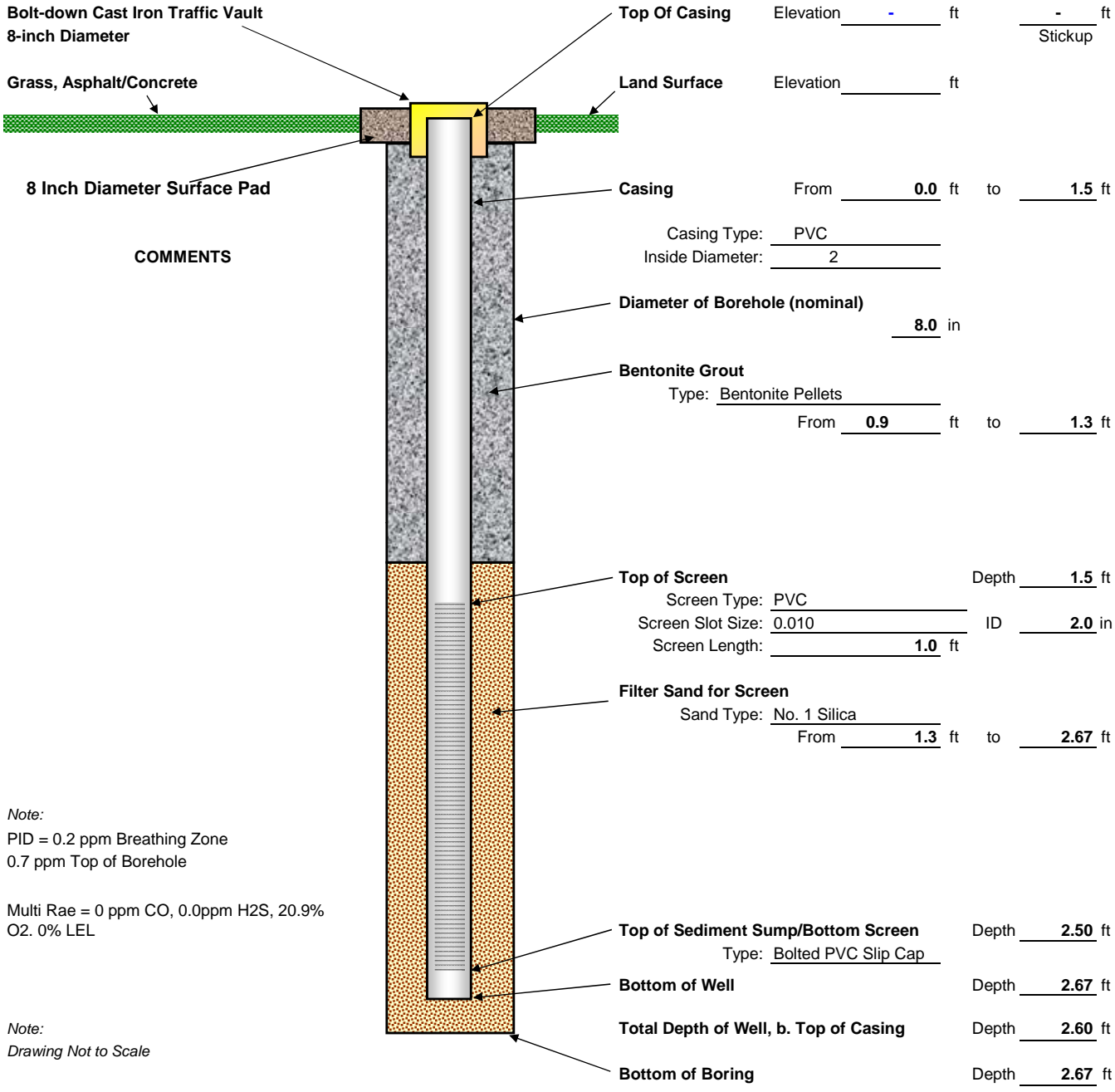
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-07S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 21, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.2 ppm Breathing Zone
 0.7 ppm Top of Borehole

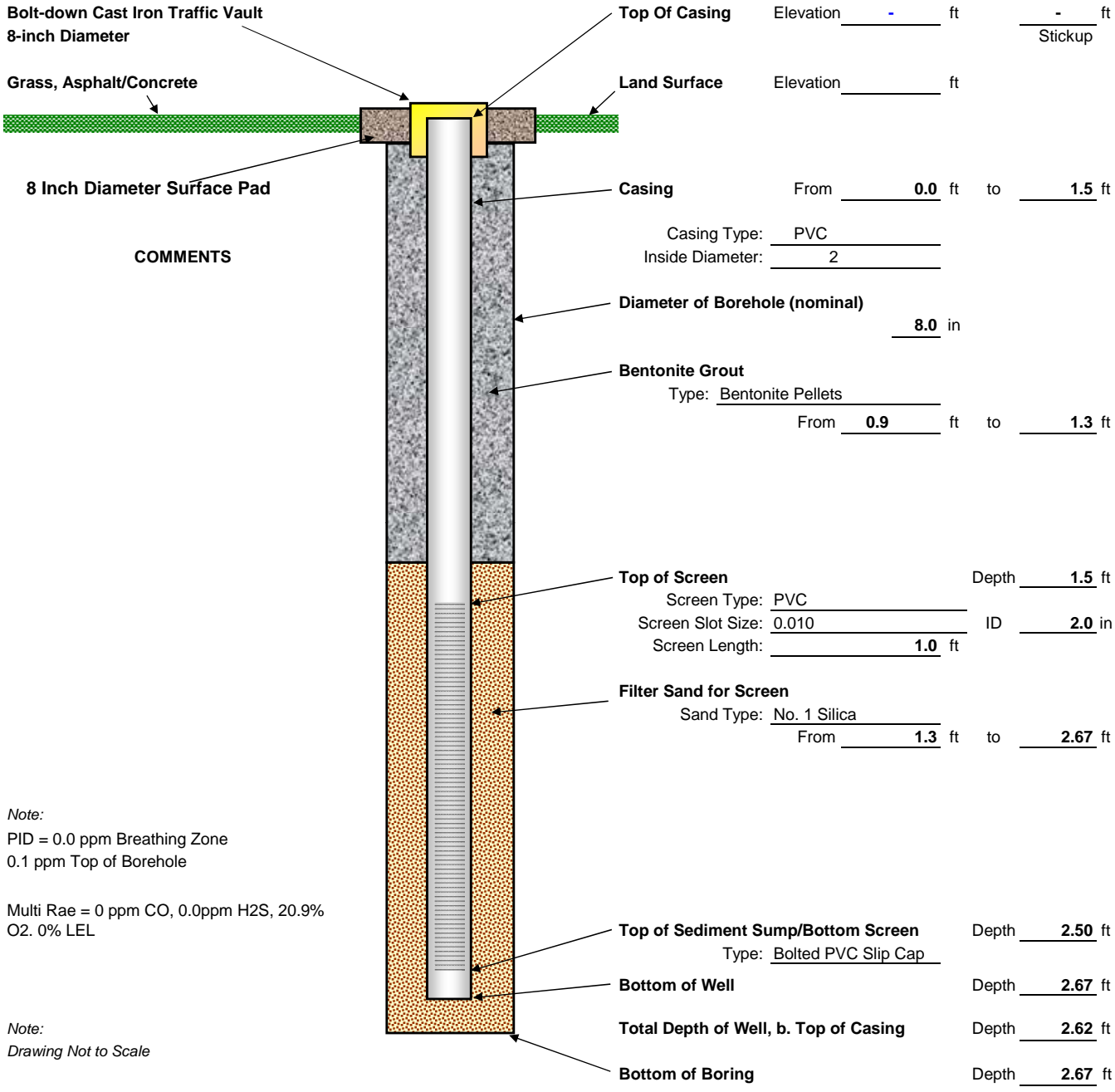
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-08S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 22, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 ppm Breathing Zone
 0.1 ppm Top of Borehole

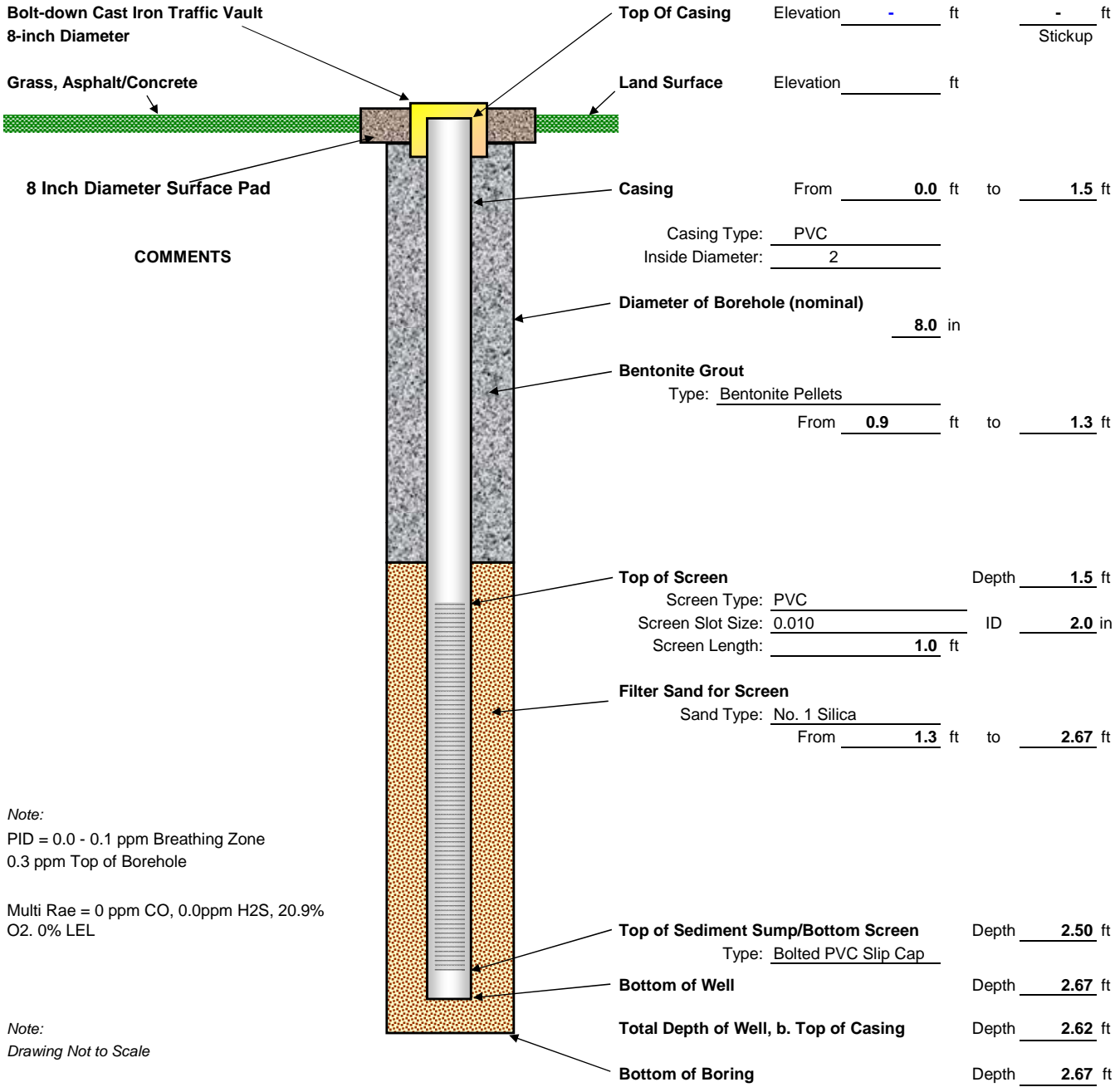
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-09S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 22, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 - 0.1 ppm Breathing Zone
 0.3 ppm Top of Borehole

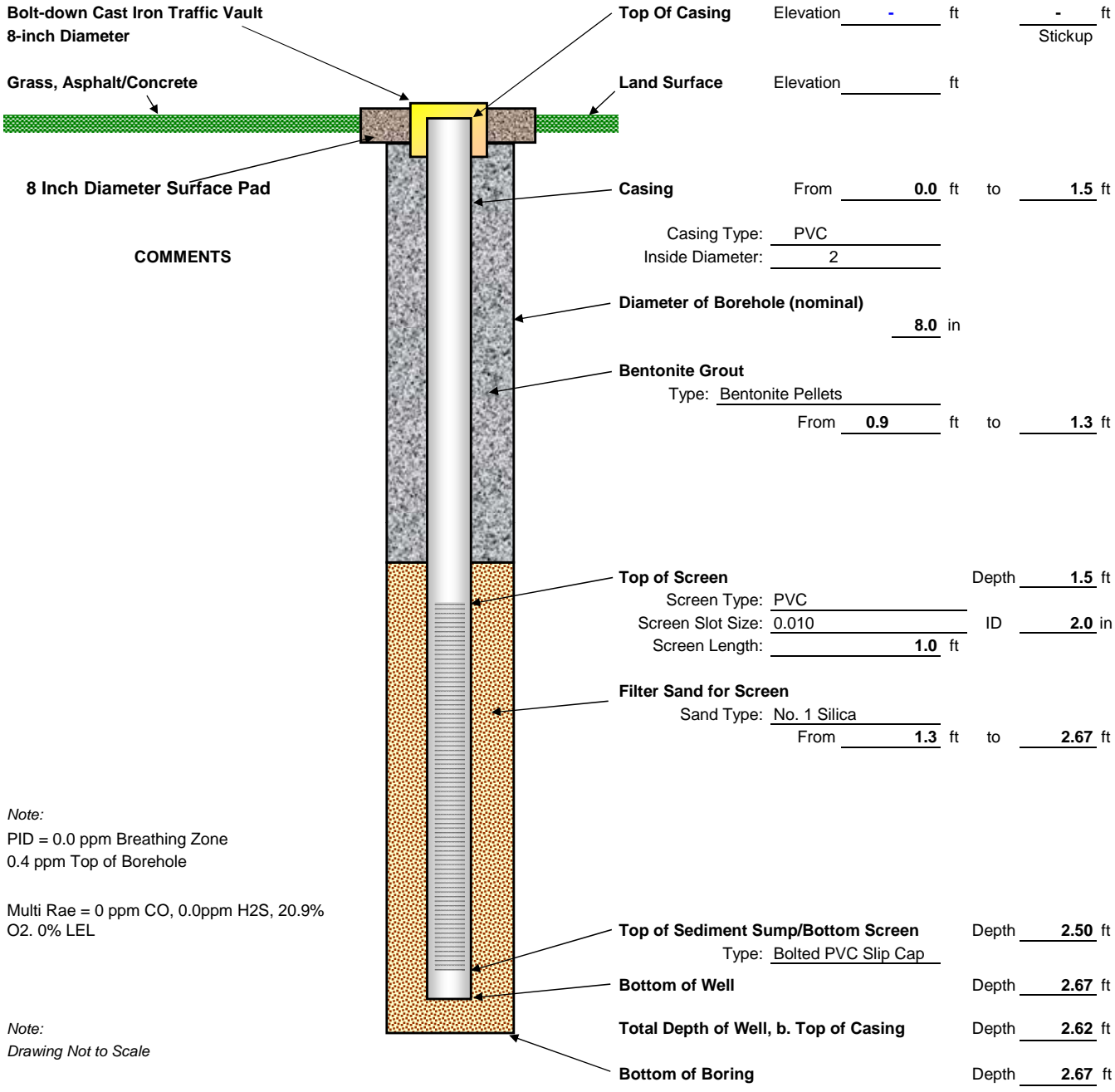
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-10S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 22, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
PID = 0.0 ppm Breathing Zone
0.4 ppm Top of Borehole

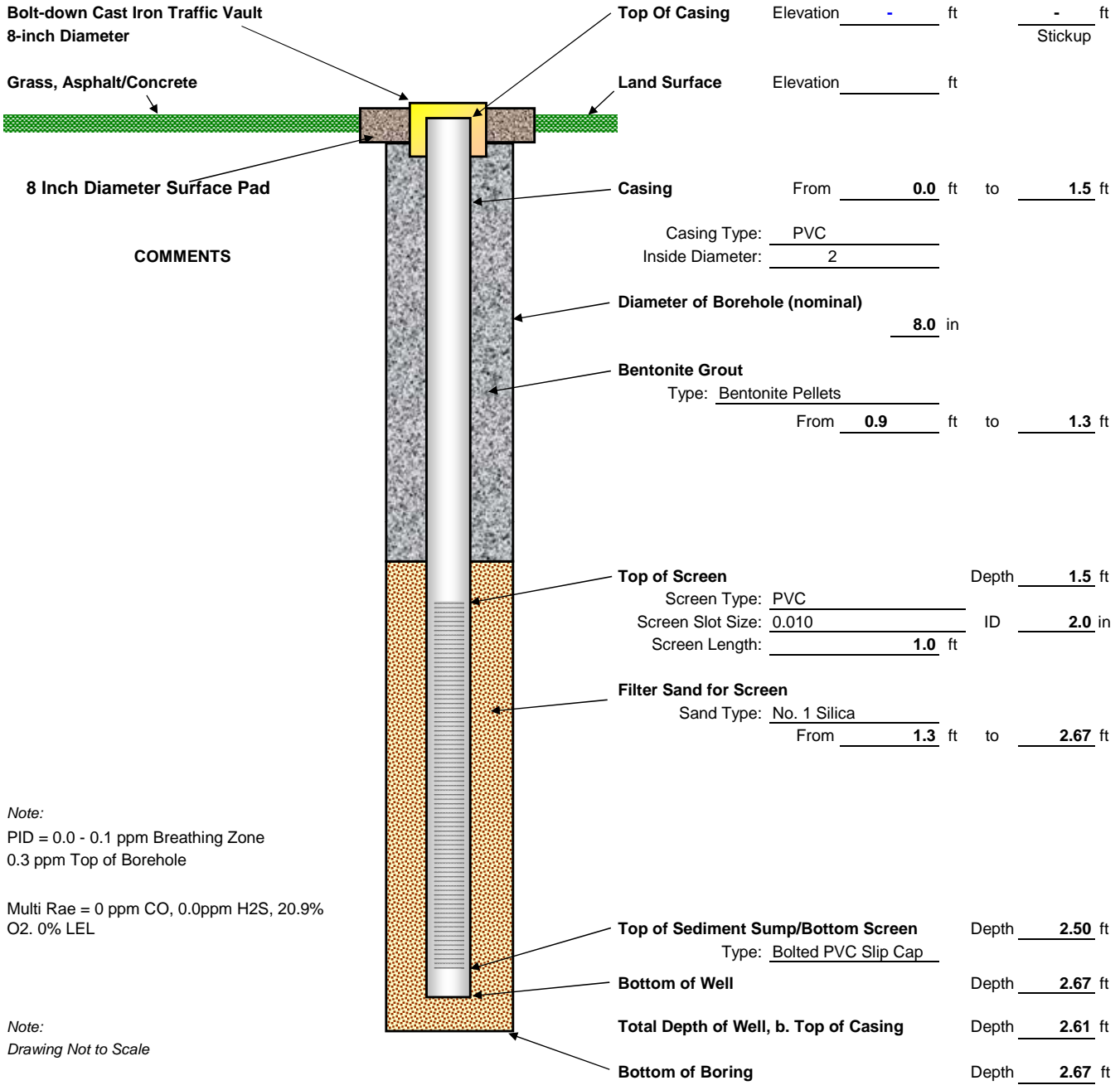
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-11S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 22, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
PID = 0.0 - 0.1 ppm Breathing Zone
0.3 ppm Top of Borehole

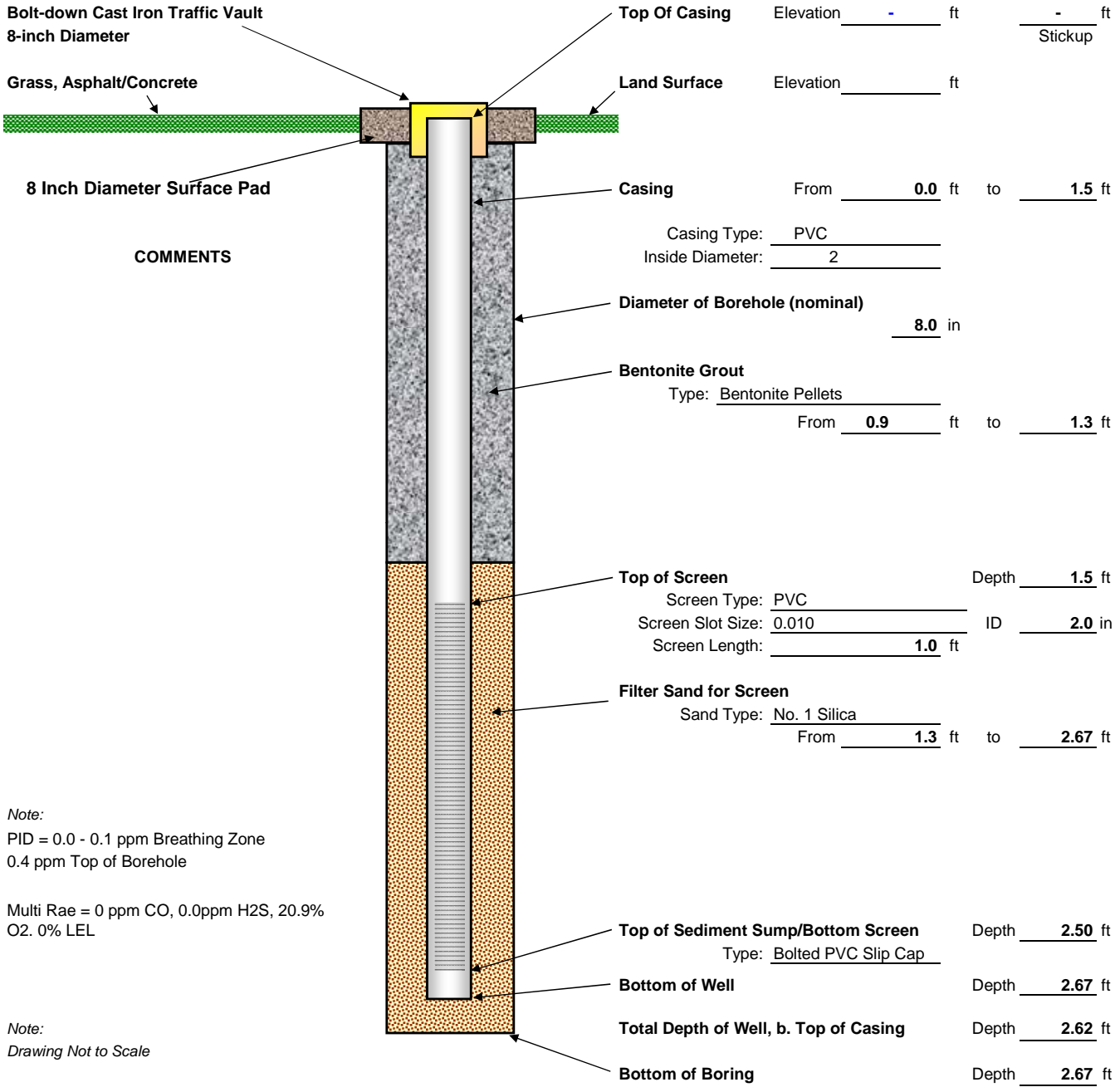
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-12S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 22, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 - 0.1 ppm Breathing Zone
 0.4 ppm Top of Borehole

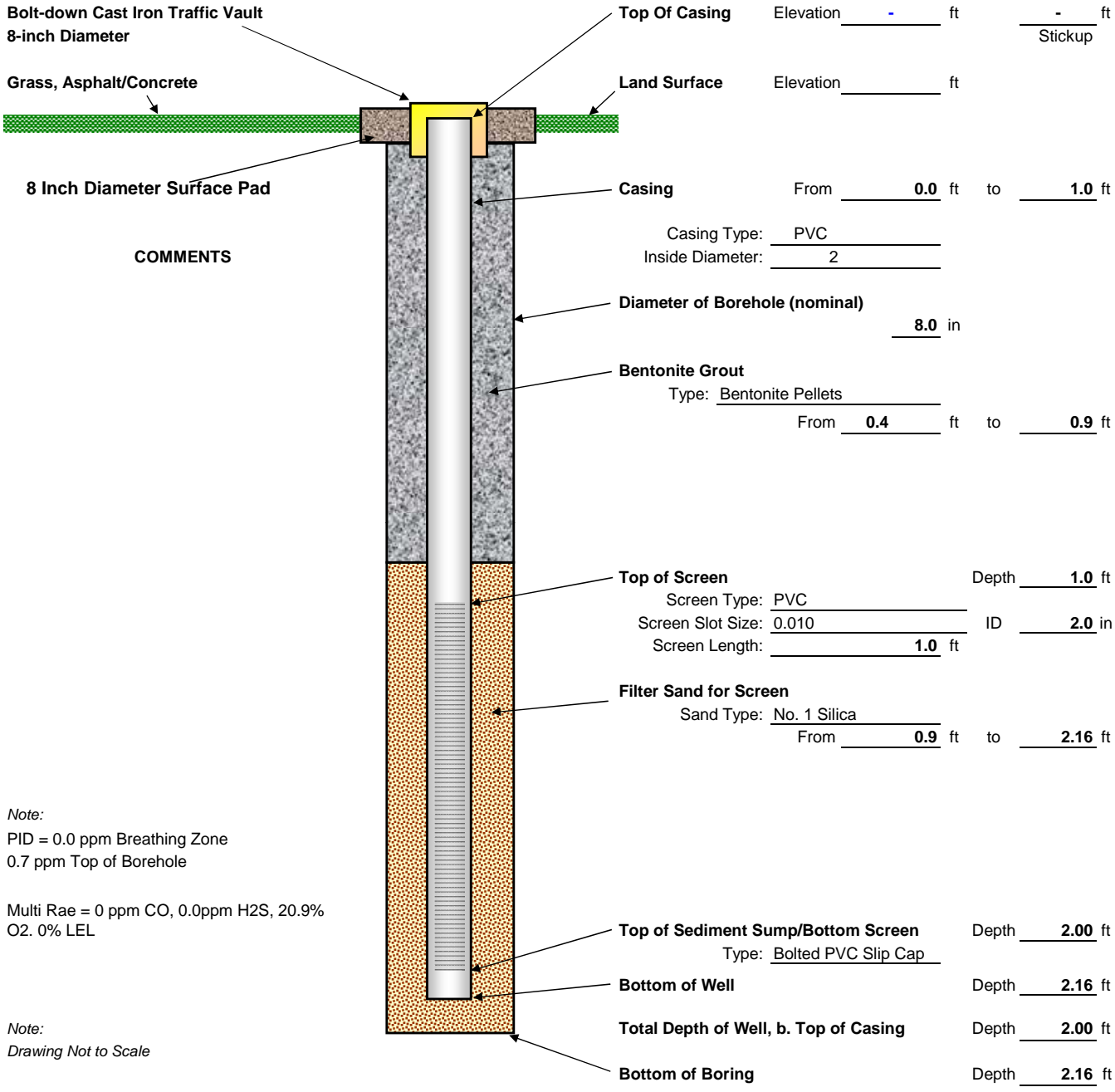
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-13S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



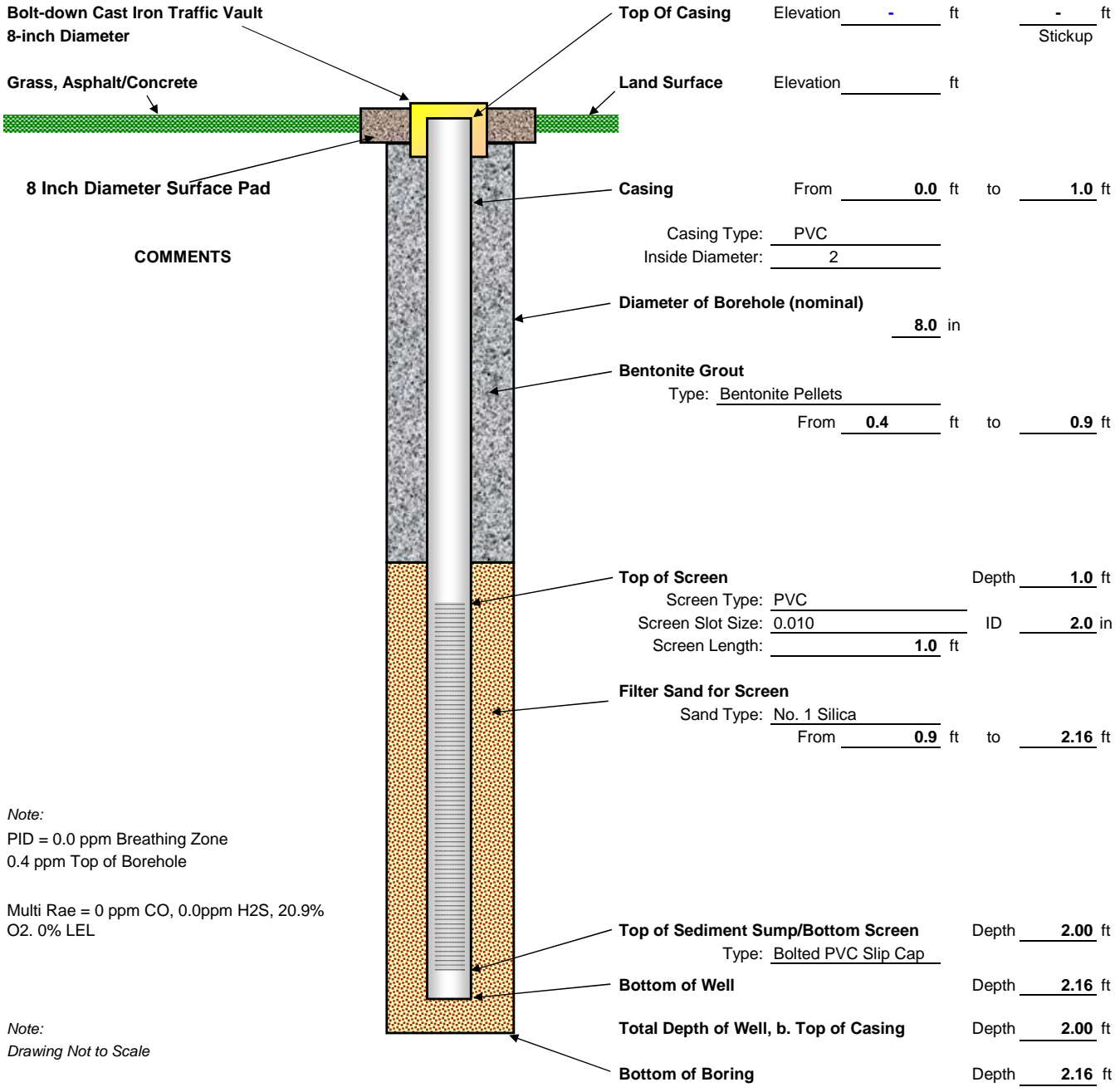
Note:
 PID = 0.0 ppm Breathing Zone
 0.7 ppm Top of Borehole
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-14S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 ppm Breathing Zone
 0.4 ppm Top of Borehole

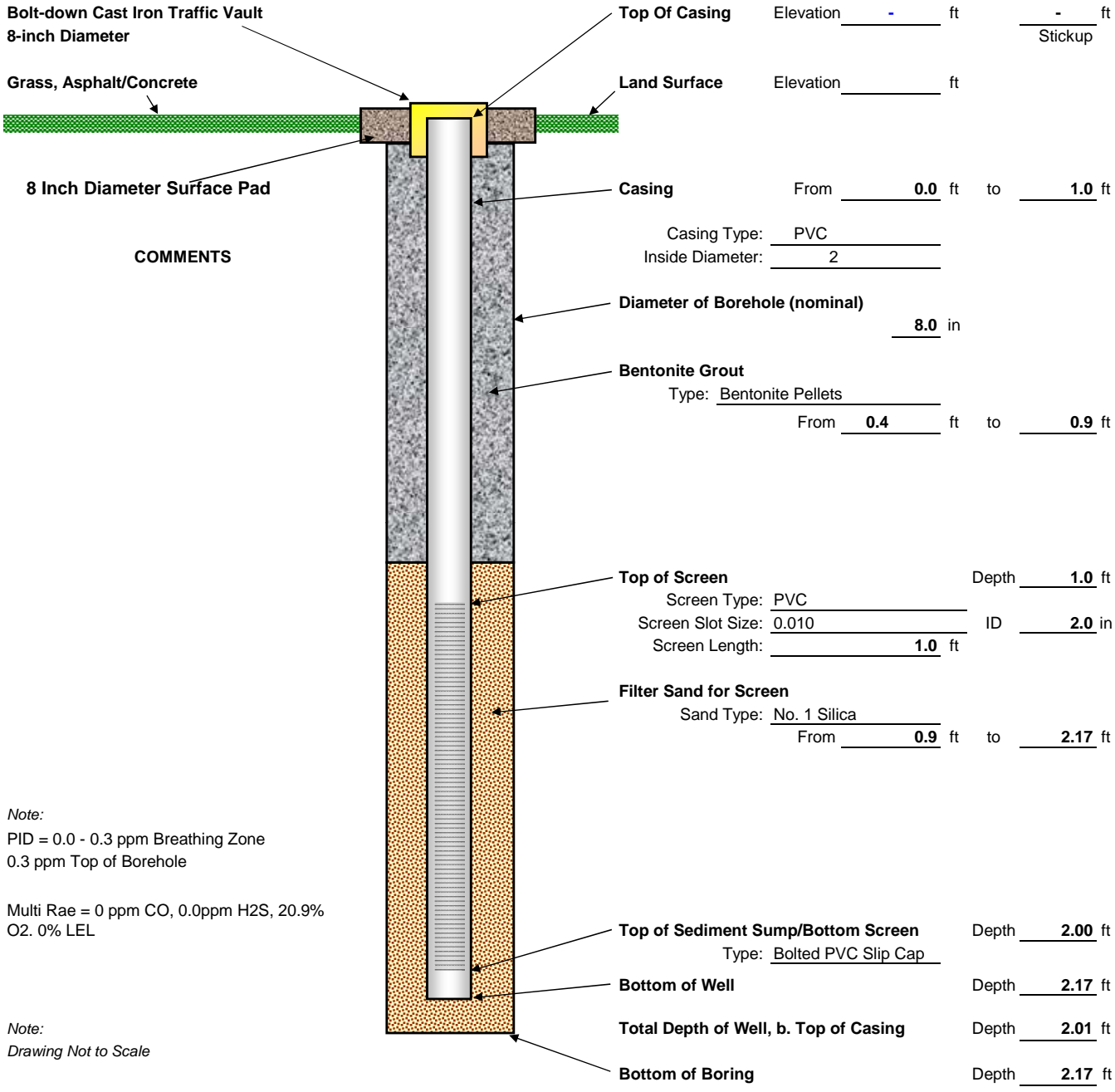
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-15S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 - 0.3 ppm Breathing Zone
 0.3 ppm Top of Borehole

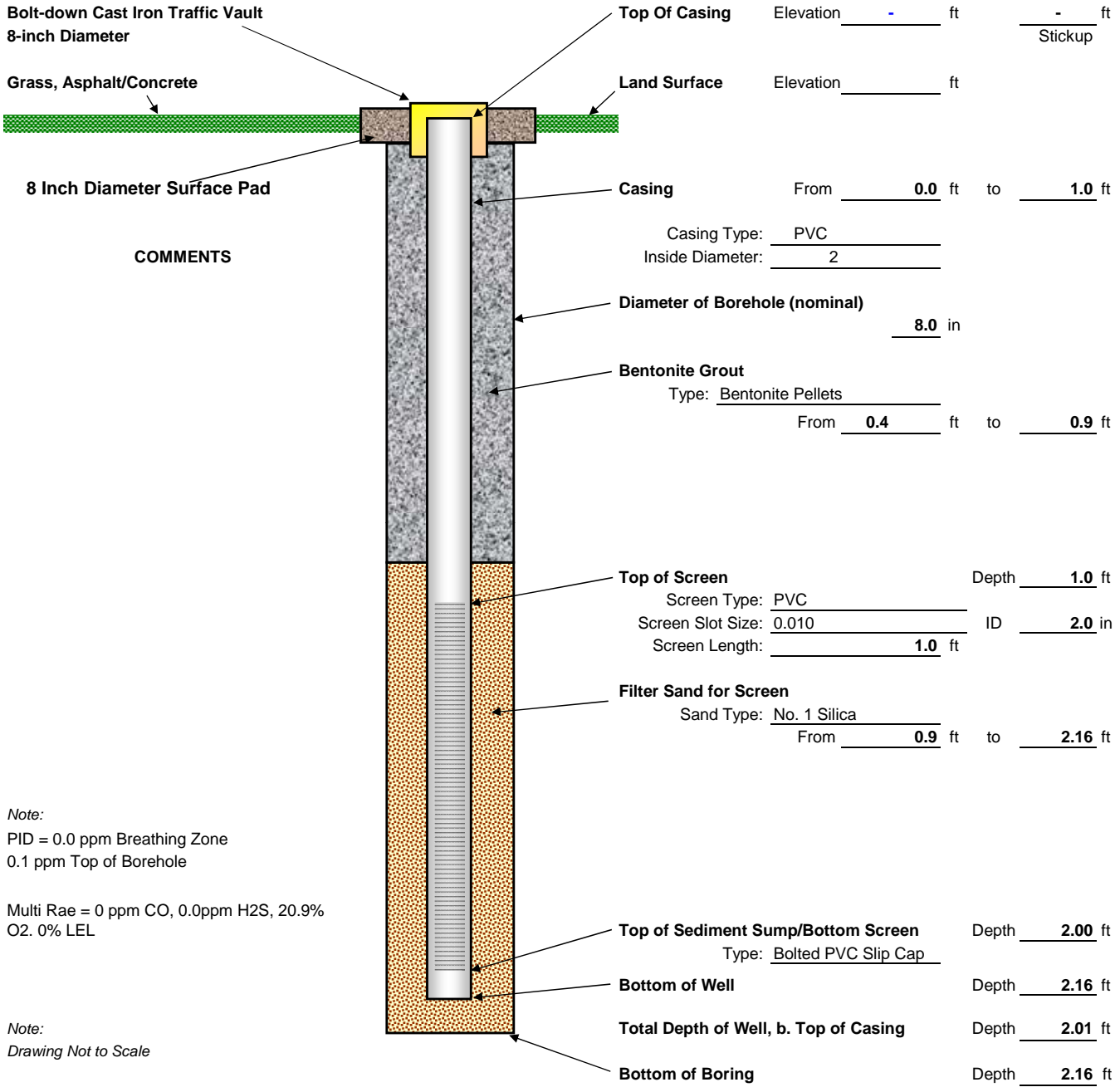
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-16S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.0 ppm Breathing Zone
 0.1 ppm Top of Borehole

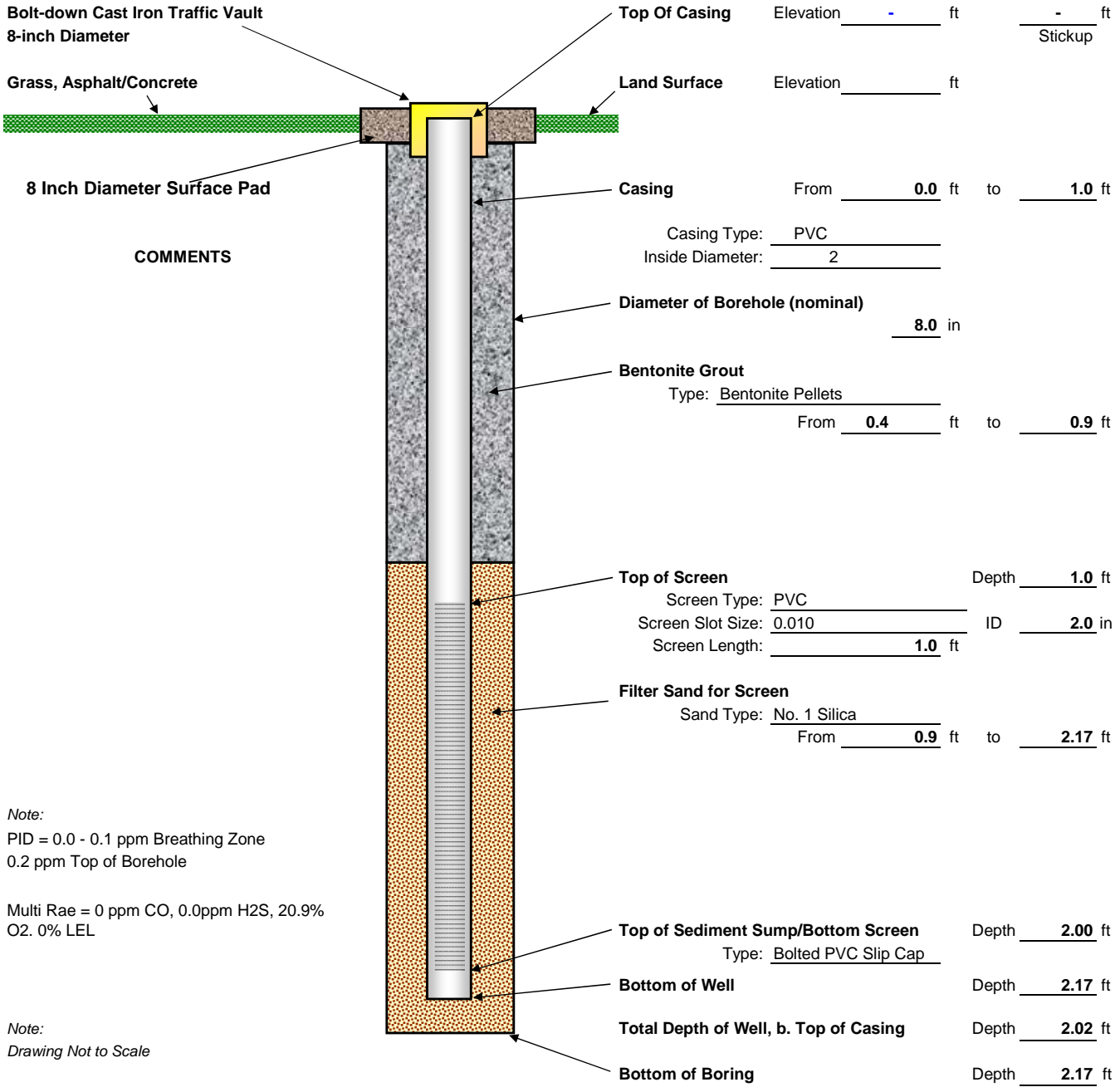
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-17S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
PID = 0.0 - 0.1 ppm Breathing Zone
0.2 ppm Top of Borehole

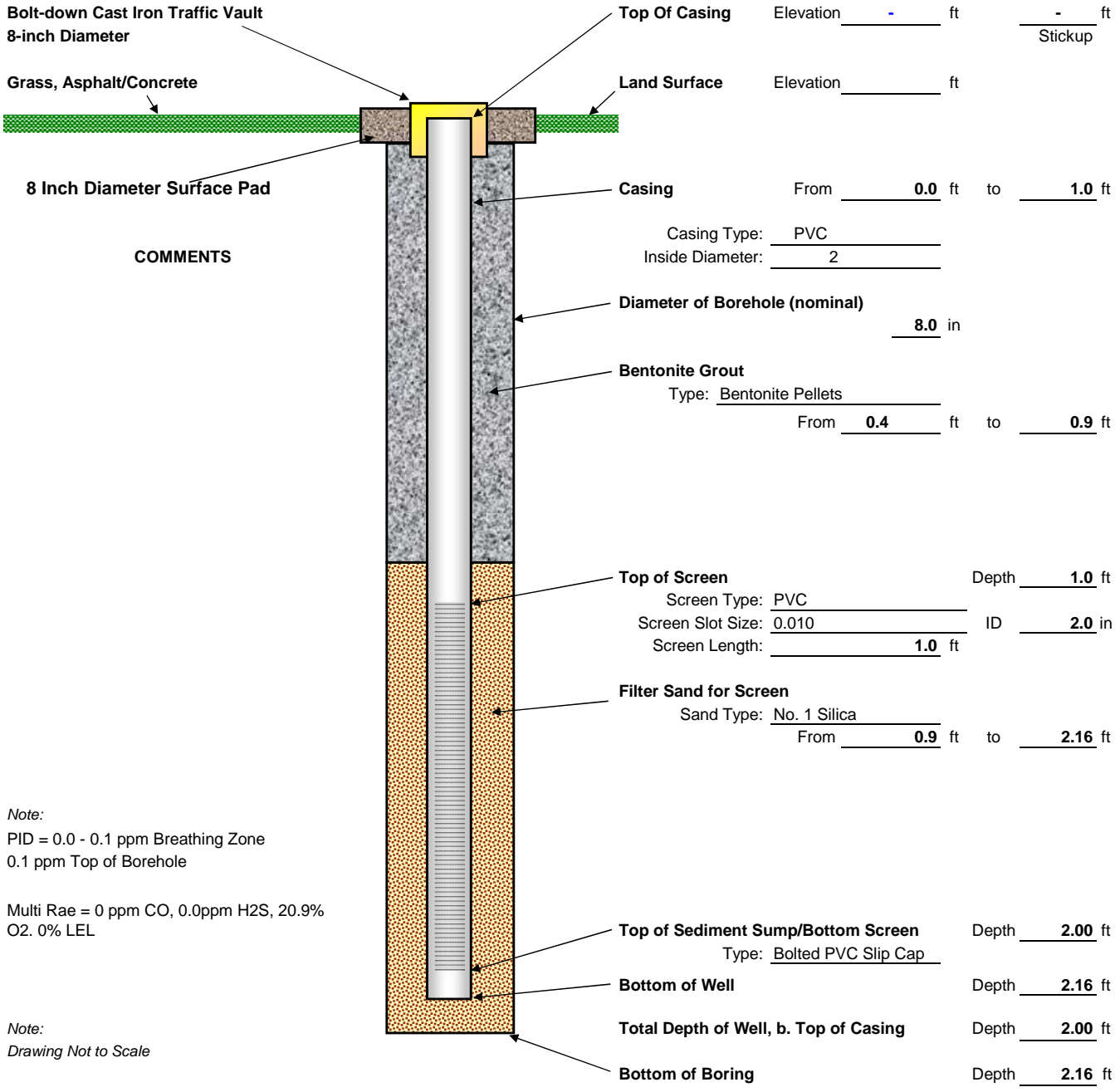
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2. 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-18S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
 PID = 0.0 - 0.1 ppm Breathing Zone
 0.1 ppm Top of Borehole

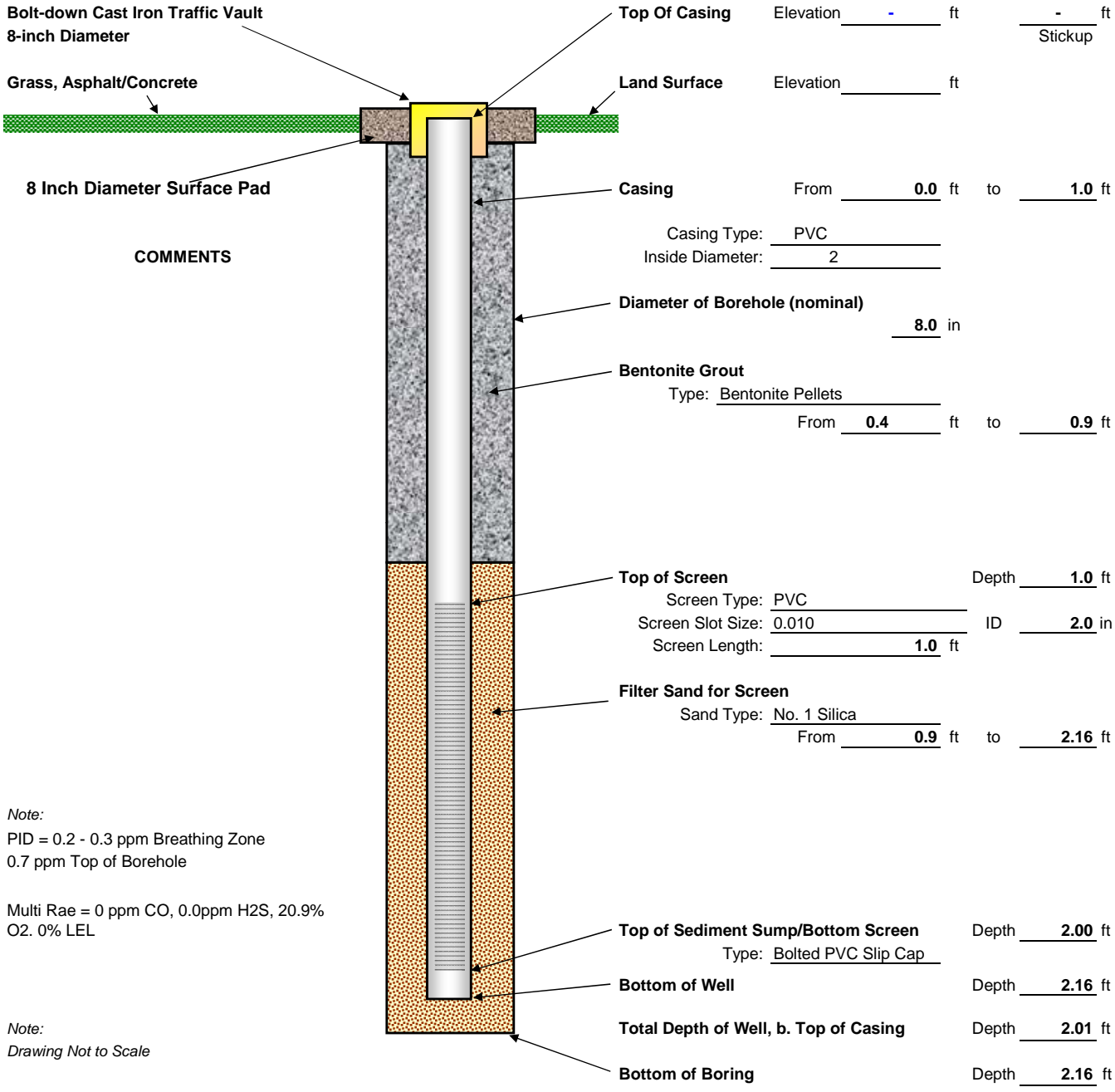
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2. 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-19S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.2 - 0.3 ppm Breathing Zone
 0.7 ppm Top of Borehole

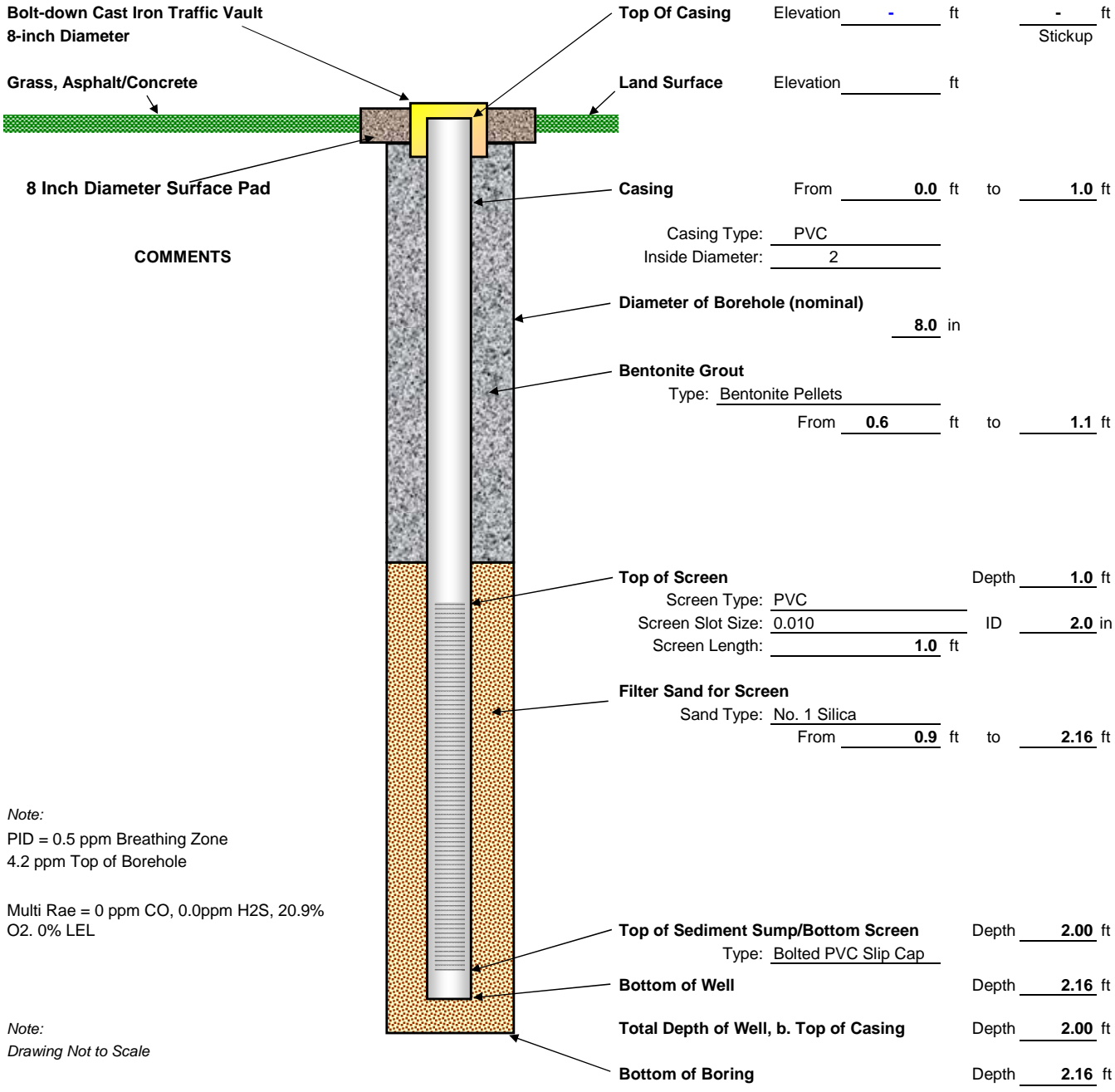
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-20S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
PID = 0.5 ppm Breathing Zone
4.2 ppm Top of Borehole

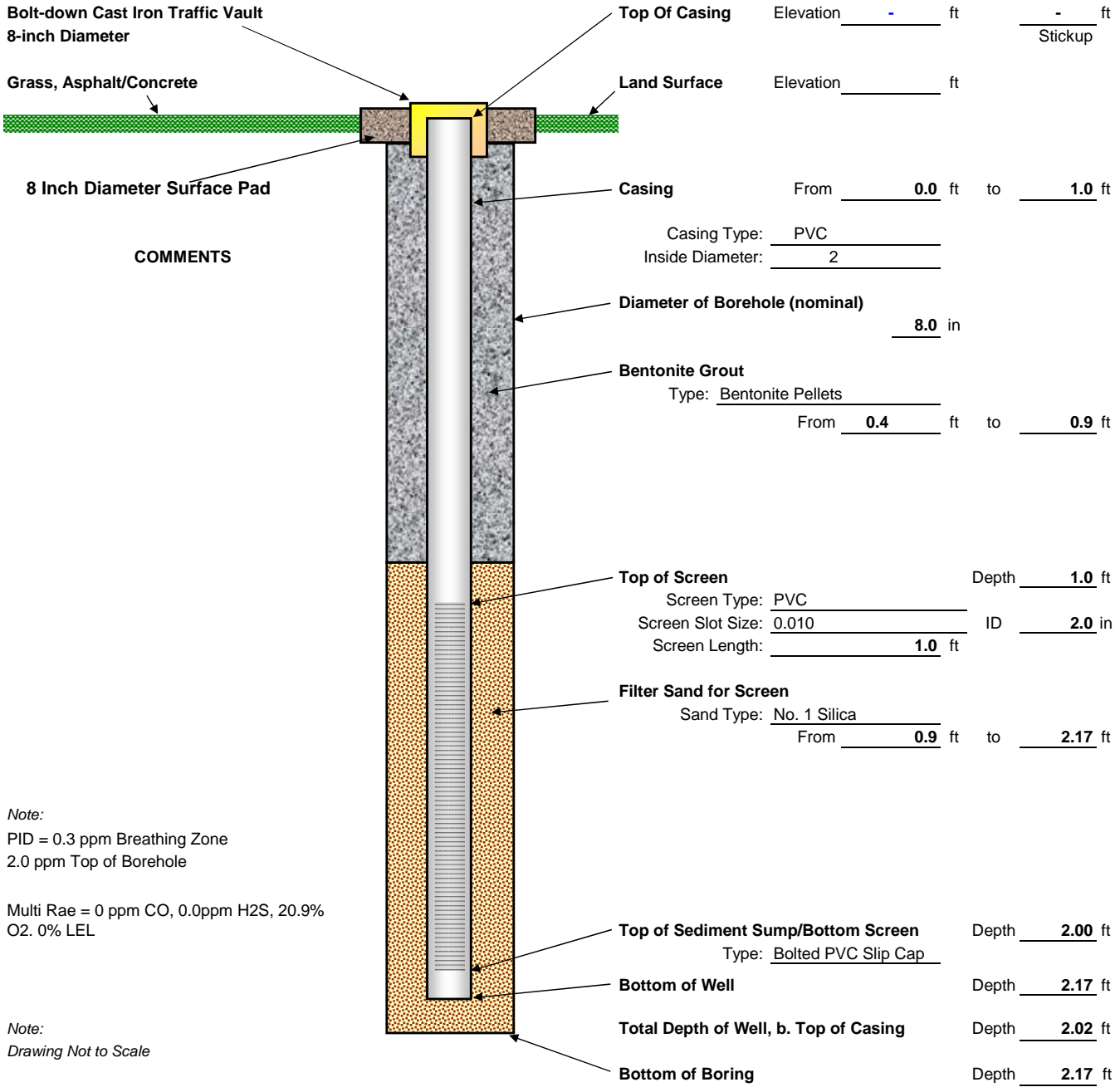
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-21S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.3 ppm Breathing Zone
 2.0 ppm Top of Borehole

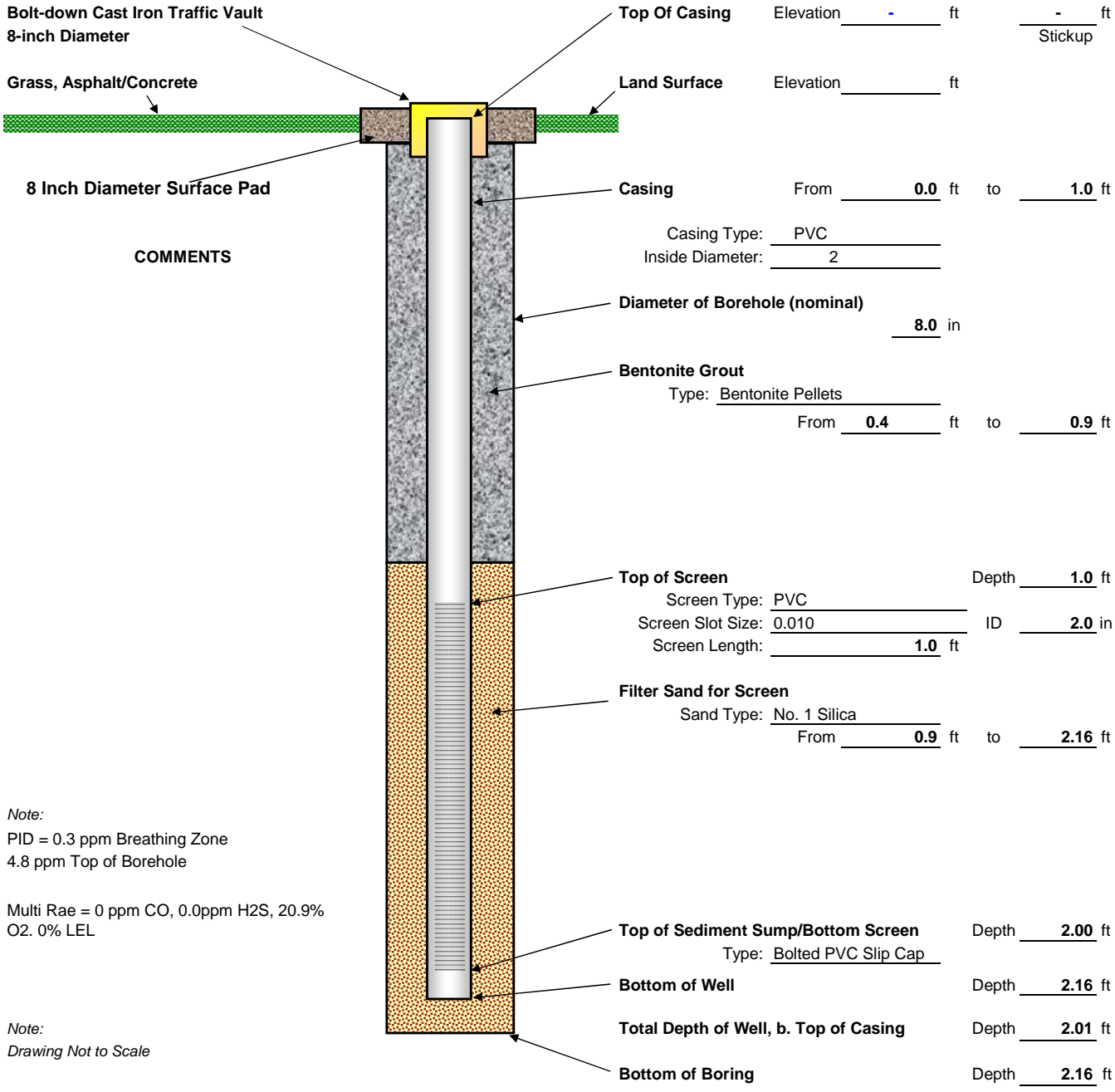
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-22S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
 PID = 0.3 ppm Breathing Zone
 4.8 ppm Top of Borehole

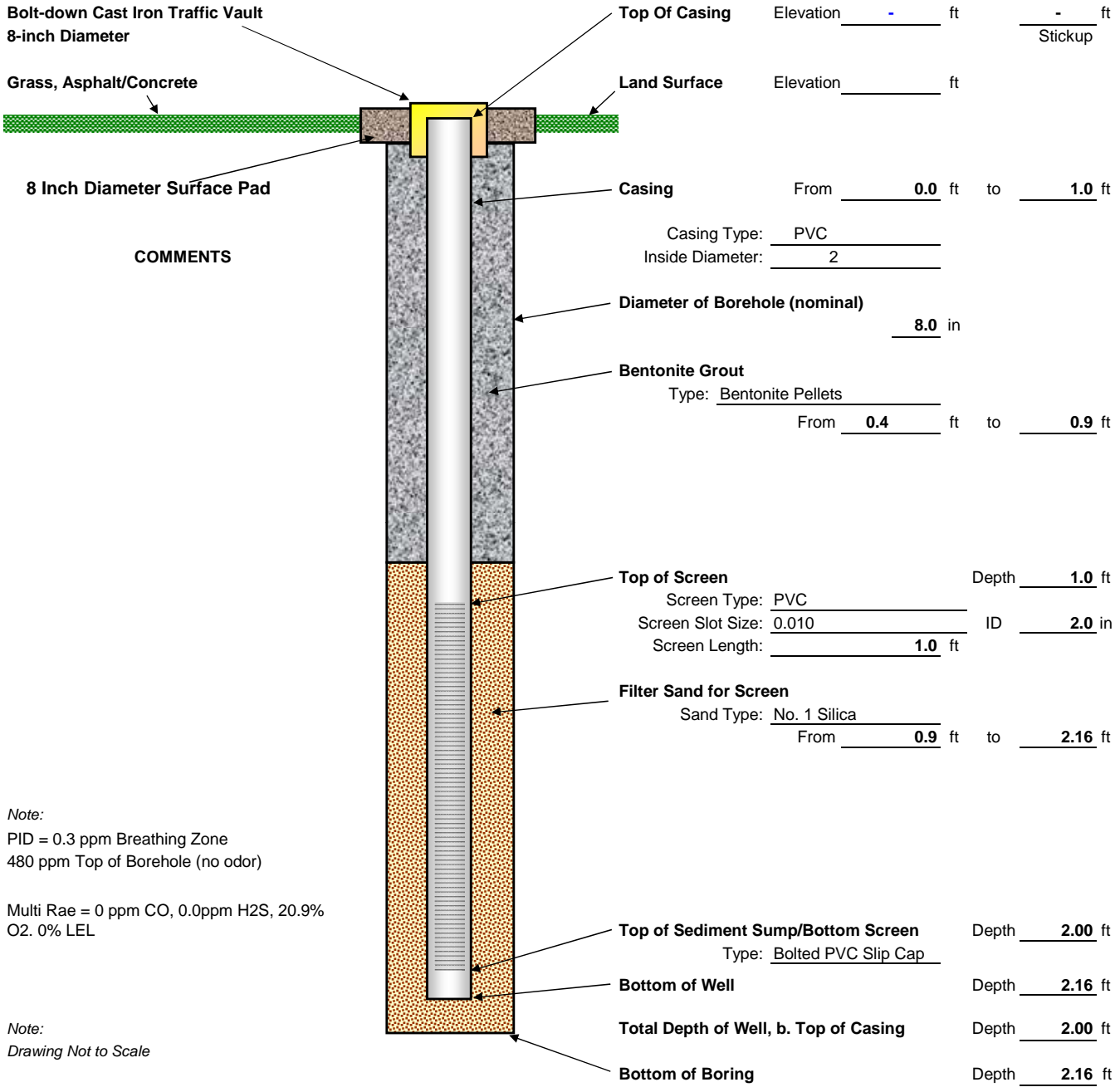
 Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-23S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 15, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



Note:
 PID = 0.3 ppm Breathing Zone
 480 ppm Top of Borehole (no odor)

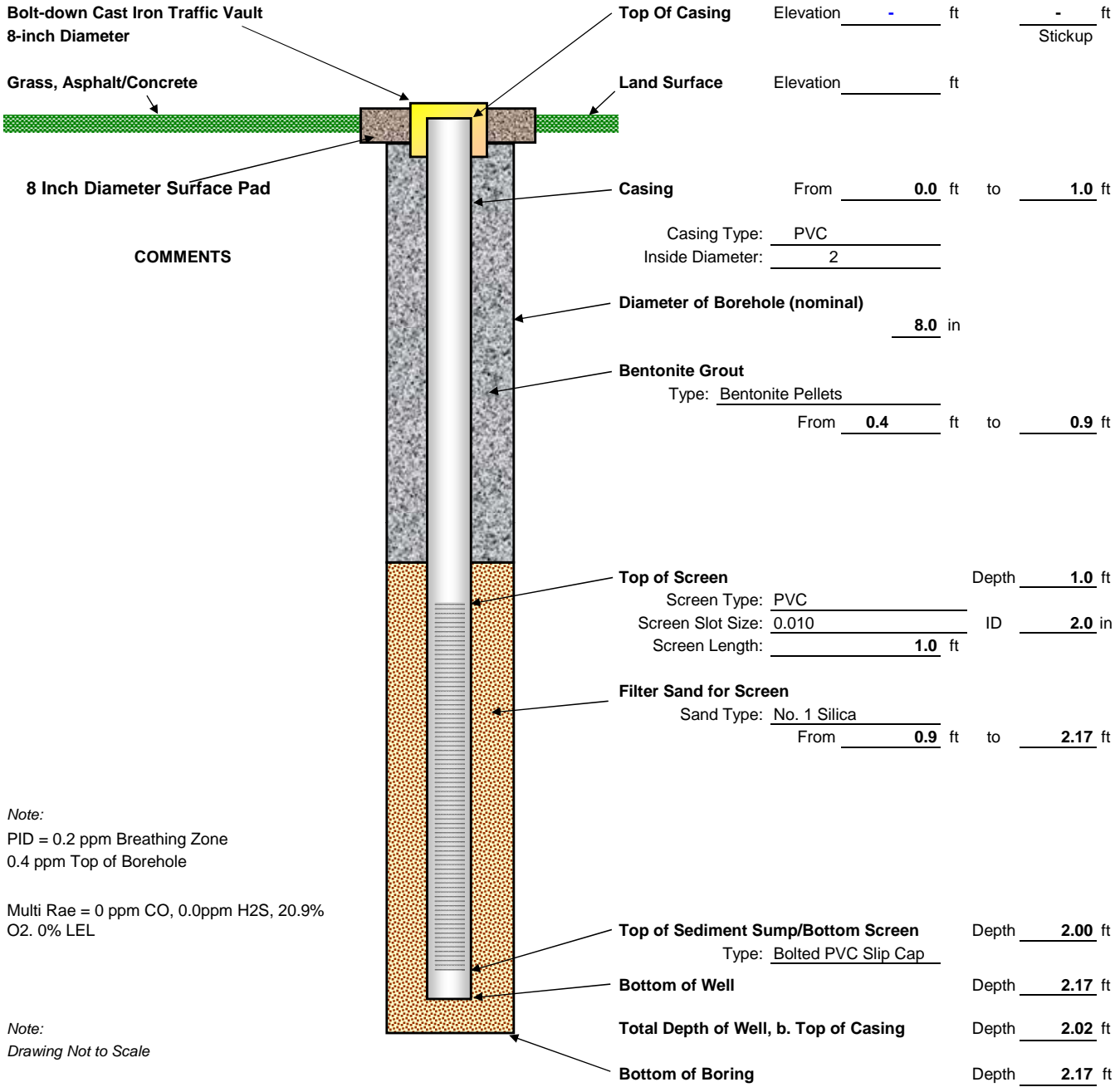
Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
 Drawing Not to Scale

All Depths Referenced to Ground Surface

Figure 3 Soil Gas Survey Monitoring Point Installation Details

Project Name: Pinewood Soil Gas Survey **Drilling Co:** AE Drilling **Well Number:** SG-SECIIA-24S
Location: Pinewood, SC **Driller:** G. Windbourn **Job Number:** 60271027
Client: Kestrel Horizon - DHEC **Drilling Method:** HSA **Date Completed:** January 14, 2013
Geologist: C. Suddeth **Static Water Level:** - **b.TOC** **Survey Datum:** -



COMMENTS

Note:
PID = 0.2 ppm Breathing Zone
0.4 ppm Top of Borehole

Multi Rae = 0 ppm CO, 0.0ppm H2S, 20.9% O2, 0% LEL

Note:
Drawing Not to Scale

All Depths Referenced to Ground Surface

GORE® Survey Chain of Custody



GORE SURVEY PRODUCTS GROUP
 100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
 +1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

GORE[®] Survey Chain of Custody
Soil gas and/or Air Sampling

Production Order #: 22101016

Customer Name: AECOM
 Address: 10 PATEWOOD DRIVE
 BLDG 6, SUITE 500
 GREENVILLE, SC 29615
 USA

Site Name: Pinewood Site Custodial Trust
 Site Address: Pinewood, SC
 Project Manager:

Serial # of GORE Modules Shipped	# of Modules for Installation	73.00	# of Trip Blanks	4
00703259 - 00703294	Total Modules Shipped	77.00	Pieces	
00703301 - 00703341	Total Modules Received	<u>77</u>	Pieces	
	Total Modules Installed	<u>71</u>	Pieces	

Serial # of Trip Blanks (Client Decides)

00703316	
00703317	
00703335	
00703336	

Prepared By: <u>[Signature]</u>	Installation Method: (Circle those that apply) Slide Hammer Hammer Drill Auger Other: <u>Soil Gas Well</u>
Verified By: <u>[Signature]</u>	
Installation Performed By: Name: <u>Meredith Henderson / James Leaphart</u> Company: <u>AECOM</u>	Retrieval Performed By: Name: <u>James Leaphart</u> Company: <u>AECOM</u>
Installation Start Date / Time: <u>3/19/13 1450</u>	Retrieval Start Date / Time: <u>4/4/13 0826</u>
Installation Complete Date / Time: <u>3/20/13 1545</u>	Retrieval Complete Date / Time: <u>4/4/13 1525</u>
Total Modules Retrieved:	<u>71</u>
Total Modules Lost In Field:	<u>0</u>
Total Unused Modules Returned:	<u>2</u>
Relinquished By: <u>[Signature]</u> Date/Time: <u>3-1-13</u>	Received By: _____ Date/Time: _____
Company: <u>W.L.GORE</u> 7:15AM	Company: _____
Relinquished By: <u>[Signature]</u> Date/Time: <u>4/5/13</u>	Received By: _____ Date/Time: _____
Company: <u>AECOM</u> 1015	Company: _____
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____
Company: _____	Company: _____

Water Level Data Summary



WATER LEVEL DATA SUMMARY

PROJECT: <u>Pinemood landfill</u>	JOB NUMBER <u>60271027</u>
LOCATION <u>Pinemood, SC</u>	DATE <u>3-19-13</u>
CLIENT <u>Kestrel Horizon</u>	MEASURED BY <u>MH: JL</u>
SURVEY DATUM: _____	
MEASURING DEVICE: <u>SAMPLE P20 MODEL 6000</u>	

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	PID (ppm) COMMENTS
		Description	Elevation (FT)			
2A-245	1437			1.20		0.5
2A-215	1500			1.20		1.20 Depth to Water = 1.13 ft b7C
2A-235	1514			1.3		0.3
2A-185	1526			No Water		0.5
2A-195	1533			DRY		0.4
2A-155	1541			1.96		0.3
2A-165	1549			DRY		0.5
2A-175	1600			1.94		0.3
2A-135	1608			1.93		3.3
2A-145	1613			1.95		0.4
2A-225	1621			1.29		3.5
2A-205	1630			1.31		0.5
2A-105	1639			1.40		0.3
2A-125	1652			2.56		0.3
2A-115	1657			1.63		0.4
2A-095	1705			2.12		0.1
2A-085	1714			2.55		0.2
2A-075	1721			2.55		0.3
2A-065	1843			2.53		0.2
2A05SR	0850			1.21		0.2
2A-055	0856			0.93		0.1
2A-04SR	0903			2.53		0.0

WATER LEVEL DATA SUMMARY

PROJECT: <u>Pinewood landfill Soil Gas</u>	JOB NUMBER <u>60271027</u>
LOCATION <u>Pinewood SC</u>	DATE <u>3-20-13</u>
CLIENT <u>Kestrel Horizon</u>	MEASURED BY <u>MH: JL</u>
SURVEY DATUM: _____	
MEASURING DEVICE: <u>Sample No Model 6000</u>	

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	PID COMMENTS
		Description	Elevation (FT)			
2A-04S	0909			~ 0.45		0.3
2A-03SR	0916			1.64		0.3
2A-03S	0923			1.23		0.4
2A-02S	0930			1.14		0.2
2A-01S	0936			2.11		0.3
SECI-2A-13D	0946			3.56		0.8
SECI-2A-13S	0957			1.51		0.7
SECI-2A-14S	14S @1003			1.99		0.4
SECI-2A-14D	@1008			DRY		1.4
SECI-01D	1013			7.65		3.8
SECI-01S	1019			1.32		0.3
SECI-02S	1026			0.37		0.6
SECI-03S	1034			1.66		0.4
SECI-04S	1041			1.59		0.7
SECI-04D	1046			DRY		0.0
SECI-05S	1053			1.74		0.5
SECI-05D	1058			DRY		0.6
SECI-06S	1102			1.09		0.0 had an is self w/valve
SECI-06D	1108			8.32		0.6
SECI-07S	1114			2.11		0.3
SECI-07D	1118			8.27		0.6
SECI-08S	1124			DRY		0.3

WATER LEVEL DATA SUMMARY

PROJECT: <u>Pinewood Landfill</u> LOCATION: <u>Pinewood, SC</u> CLIENT: <u>Regret Horizons</u> SURVEY DATUM: _____ MEASURING DEVICE: <u>Sample No Model 6000</u>	JOB NUMBER: <u>60271027</u> DATE: <u>3-20-12</u> MEASURED BY: <u>MH: JL</u>
--	---

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	PID	COMMENTS
		Description	Elevation (FT)				
SEC1-08D	1128			DRY		0.3	
SEC1-09S	1135			0.9'		0.3	
SEC1-09D	1140			8.40		0.8	
SEC1-10S	1144			0.82		0.7	
SEC1-10D	1148			8.58		0.8	
SEC1-27S	1154			2.08		19.4	
SEC1-28S	1202			0.24		0.5	
SEC1-30S	1229			1.19		1.2	
SEC1-31S	1235			Full to TDC		3.4	
SEC1-32S	1243			1.60		Cap was loose	0.8
SEC1-20S	1304			TDC		1.1	
SEC1-25S	1313			0.6		0.9	
SEC1-29S	1330			1.56		27.6	
SEC1-24S	1343			1.08		0.8	
SEC1-21S	1351			1.08 DRY		1.2	
SEC1-18S	1359			1.9		2.2	
SEC1-19S	1409			1.05		2.2	
SEC1-20S	1415			TDC		1.5	
SEC1-22S	1424			DRY		1.0	
SEC1-15S	1431			0.9'		1.0	
SEC1-16S	1441			1.77		0.7	
SEC1-17S	1447			0.85		0.8	

GORE® Survey Installation and Retrieval Log



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
 Elkton, MD USA 21921
 ph: 410-392-7600

GORE Project No: ENV 22101016
 Site Name: Pinewood Site Custodial Trust
 Site Location: Pinewood, SC

Company Name: AECOM

Location:
 Samples collected by:

GORE^(R) Surveys
 Installation & Retrieval Log

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	YES / NO		
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?
00703259	SG-2A-245	FIELD_SAMPLE	3-19-13/1450	4/4/13 0826		MONITORING PZ.	NO	NO	YES
00703260	SG-2A-215	FIELD_SAMPLE	3-19-13/1505	4/4/13 0836		"	NO	NO	YES
00703261	SG-2A-235	FIELD_SAMPLE	3-19-13/1515	4/4/13 0843		"	NO	NO	YES
00703262	SG-2A-185	FIELD_SAMPLE	3-19-13/1526	4/4/13 0850		"	NO	NO	YES
00703263	SG-2A-195	FIELD_SAMPLE	3-19-13/1536	4/4/13 0857		"	NO	NO	NO
00703264	SG-2A-155	FIELD_SAMPLE	3-19-13/1543	4/4/13 0902		"	NO	NO	NO
00703265	SG-2A-165	FIELD_SAMPLE	3-19-13/1550	4/4/13 0908		"	NO	NO	NO
00703266	SG-2A-175	FIELD_SAMPLE	3-19-13/1600	4/4/13 0915		"	NO	NO	YES
00703267	SG-2A-135	FIELD_SAMPLE	3-19-13/1608	4/4/13 0922		"	NO	NO	YES
00703268	SG-2A-145	FIELD_SAMPLE	3-19-13/1614	4/4/13 0927		"	NO	NO	YES
00703269	SG-2A-225	FIELD_SAMPLE	3-19-13/1622	4/4/13 0934		"	NO	NO	YES
00703270	SG-2A-205	FIELD_SAMPLE	3-19-13/1633	4/4/13 0940		"	NO	NO	YES
00703271	SG-2A-105	FIELD_SAMPLE	3-19-13/1640	4/4/13 0949		"	NO	NO	YES
00703272	SG-2A-125	FIELD_SAMPLE	3-19-13/1654	4/4/13 0958		"	NO	NO	YES
00703273	SG-2A-115	FIELD_SAMPLE	3-19-13/1658	4/4/13 1002		"	NO	NO	YES
00703274	SG-2A-095	FIELD_SAMPLE	3-19-13/1707	4/4/13 1007		"	NO	NO	YES
00703275	SG-2A-085	FIELD_SAMPLE	3-19-13/1714	4/4/13 1013		"	NO	NO	YES
00703276	SG-2A-075	FIELD_SAMPLE	3-19-13/1723	4/4/13 1018		"	NO	NO	YES
00703277	SG-2A-065	FIELD_SAMPLE	3-20-13/0845	4/4/13 1022		"	NO	NO	YES
00703278	SG-2A-055R	FIELD_SAMPLE	3-20-13/0852	4/4/13 1027		"	NO	NO	YES



**GORE[®] Surveys
Installation & Retri**

* Optional or as ne

AT MINIMUM PROVIDE SOIL TYPE							
MODULE SERIAL NO.	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
00703259	Clay						
00703260							
00703261							
00703262							
00703263							
00703264							
00703265							
00703266							
00703267							
00703268							
00703269							
00703270							
00703271							
00703272							
00703273							
00703274							
00703275							
00703276							
00703277							
00703278	v						



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
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GORE Project No: ENV 22101016
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 Site Location: Pinewood, SC

Company Name: AECOM

Location:

Samples collected by:

GORE^(R) Surveys
 Installation & Retrieval Log

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	YES / NO		
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?
00703279	SG-2A-05S	FIELD_SAMPLE	3-20-13 / 0858	4/4/13 1032		MONITORING PIER	NO	NO	YES
00703280	SG-2A-04SR	FIELD_SAMPLE	3-20-13 / 0905	4/4/13 1037		"	NO	NO	YES
00703281	SG-2A-04S	FIELD_SAMPLE	3-20-13 / 0910	4/4/13 1041		"	NO	NO	YES
00703282	SG-2A-03SR	FIELD_SAMPLE	3-20-13 / 0918	4/4/13 1045		"	NO	NO	YES
00703283	SG-2A-03S	FIELD_SAMPLE	3-20-13 / 0925	4/4/13 1050		"	NO	NO	YES
00703284	SG-2A-02S	FIELD_SAMPLE	3-20-13 / 0932	4/4/13 1056		"	NO	NO	YES
00703285	SG-2A-01S	FIELD_SAMPLE	3-20-13 / 0938	4/4/13 1102		"	NO	NO	NO
00703286	SG- ^{SECI} 2A-13D	FIELD_SAMPLE	3-20-13 / 0950	4/4/13 1108		"	NO	NO	YES
00703287	SG- ^{SECI} 2A-13S	FIELD_SAMPLE	3-20-13 / 1000	4/4/13 1113		"	NO	NO	YES
00703288	SG-SECI-14S	FIELD_SAMPLE	3-20-13 / 1006	4/4/13 1119		"	NO	NO	YES
00703289	SG-SECI-14D	FIELD_SAMPLE	3-20-13 / 1010	4/4/13 1125		"	NO	NO	NO
00703290	SG-SECI-01D	FIELD_SAMPLE	3-20-13 / 1015	4/4/13 1130		"	NO	NO	NO
00703291	SG-SECI-01S	FIELD_SAMPLE	3-20-13 / 1022	4/4/13 1134		"	NO	NO	YES
00703292	SG-SECI-02S	FIELD_SAMPLE	3-20-13 / 1030	4/4/13 1159		"	NO	NO	YES
00703293	SG-SECI-03S	FIELD_SAMPLE	3-20-13 / 1038	4/4/13 1204		"	NO	NO	YES
00703294	SG-SECI-04S	FIELD_SAMPLE	3-20-13 / 1045	4/4/13 1209		"	NO	NO	YES
00703301	SG-SECI-04D	FIELD_SAMPLE	3-20-13 / 1047	4/4/13 1214		"	NO	NO	NO ^{AL}
00703302	SG-SECI-05S	FIELD_SAMPLE	3-20-13 / 1055	4/4/13 1218		"	NO	NO	YES
00703303	SG-SECI-05D	FIELD_SAMPLE	3-20-13 / 1102	4/4/13 1222		"	NO	NO	NO
00703304	SG-SECI-06S	FIELD_SAMPLE	3-20-13 / 1107	4/4/13 1228		"	NO	NO	YES



**GORE^(R) Surveys
Installation & Retri**

* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE			PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)				
00703279	Clay						
00703280	↓						
00703281							
00703282							
00703283							
00703284							
00703285							
00703286							
00703287							
00703288							
00703289							
00703290							
00703291							
00703292							
00703293							
00703294							
00703301							
00703302							
00703303							
00703304	↓						



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
 Elkton, MD USA 21921
 ph: 410-392-7600

GORE Project No: ENV 22101016
 Site Name: Pinewood Site Custodial Trust
 Site Location: Pinewood, SC

Company Name: AECOM
 Location:
 Samples collected by:

GORE^(R) Surveys
 Installation & Retrieval Log

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	YES / NO		
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?
00703305	SG-SECI-06D	FIELD_SAMPLE	3-20-13 / 1110	4/4/13 1232		monticello PIZ	NO	NO	NO
00703306	SG-SECI-07S	FIELD_SAMPLE	3-20-13 / 1117	4/4/13 1238		"	NO	NO	YES
00703307	SG-SECI-07D	FIELD_SAMPLE	3-20-13 / 1120	4/4/13 1242		"	NO	NO	NO
00703308	SG-SECI-08S	FIELD_SAMPLE	3-20-13 / 1127	4/4/13 1248		"	NO	NO	YES
00703309	SG-SECI-08D	FIELD_SAMPLE	3-20-13 / 1130	4/4/13 1252		"	NO	NO	NO
00703310	SG-SECI-09S	FIELD_SAMPLE	3-20-13 / 1138	4/4/13 1257		"	NO	NO	YES
00703311	SG-SECI-09D	TRIP_BLANK	3-20-13 / 1142	Field Sample 4/4/13	1301	"	NO	NO	NO
00703312	SG-SECI-10S	TRIP_BLANK	3-20-13 / 1147	Field Sample 4/4/13	1306	"	NO	NO	YES
00703313	SG-SECI-10D	FIELD_SAMPLE	3-20-13 / 1150	4/4/13 1311		"	NO	NO	NO
00703314	SG-SECI-27S	FIELD_SAMPLE	3-20-13 / 1155	4/4/13 1316		"	NO	NO	YES
00703315	SG-SECI-28S	FIELD_SAMPLE	3-20-13 / 1205	4/4/13 1322		"	NO	NO	YES
00703316		FIELD_SAMPLE		TRIP-Blank					YES (10)
00703317		FIELD_SAMPLE		TRIP-Blank					YES (11)
00703318	SG-SECI-30S	FIELD_SAMPLE	3-20-13 / 1233	4/4/13 1327			NO	NO	YES
00703319	SG-SECI-31S	FIELD_SAMPLE	3-20-13 / 1237	4/4/13 1332			NO	NO	YES
00703320	SG-SECI-32S	FIELD_SAMPLE	3-20-13 / 1245	4/4/13 1337			NO	NO	YES
00703321	SG-SECI-26S	FIELD_SAMPLE	3-20-13 / 1306	4/4/13 1342			NO	NO	YES
00703322	SG-SECI-25S	FIELD_SAMPLE	3-20-13 / 1315	4/4/13 1348			NO	NO	YES
00703323	SG-SECI-29S	FIELD_SAMPLE	3-20-13 / 1334	4/4/13 1354			NO	NO	YES
00703324	SG-SECI-24S	FIELD_SAMPLE	3-20-13 / 1345	4/4/13 1359			NO	NO	YES



GORE^(R) Surveys
Installation & Retri

* Optional or as ne

AT MINIMUM PROVIDE SOIL TYPE							
MODULE SERIAL NO.	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
00703305	Clay						
00703306	↓						
00703307							
00703308							
00703309							
00703310							
00703311							
00703312							
00703313							
00703314							
00703315		↓					
00703316	n/A						
00703317	n/A						
00703318	Clay						
00703319	↓						
00703320							
00703321							
00703322							
00703323							
00703324		↓					



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
 Elkton, MD USA 21921
 ph: 410-392-7600

GORE Project No:
 Site Name:
 Site Location:

ENV 22101016
 Pinewood Site Custodial Trust
 Pinewood, SC

Company Name:
 Location:
 Samples collected by:

AECOM

GORE^(R) Surveys
 Installation & Retrieval Log

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	YES / NO		
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?
00703325	SG-SEC1-21S	FIELD_SAMPLE	3-20-13 / 1352	4/4/13 1404		Monitoring Piez.	NO	NO	YES
00703326	SG-SEC1-18S	FIELD_SAMPLE	3-20-13 / 1401	4/4/13 1409		"	NO	NO	YES
00703327	SG-SEC1-19S	FIELD_SAMPLE	3-20-13 / 1410	4/4/13 1415		"	NO	NO	YES
00703328	SG-SEC1-20S	FIELD_SAMPLE	3-20-13 / 1417	4/4/13 1421		"	NO	NO	YES
00703329	SG-SEC1-22S	FIELD_SAMPLE	3-20-13 / 1420	4/4/13 1426		"	NO	NO	YES
00703330	SG-SEC1-15S	FIELD_SAMPLE	3-20-13 / 1433	4/4/13 1433		"	NO	NO	YES
00703331	SG-SEC1-16S	FIELD_SAMPLE	3-20-13 / 1442	4/4/13 1439		"	NO	NO	YES
00703332	SG-SEC1-17S	FIELD_SAMPLE	3-20-13 / 1449	4/4/13 1446		"	NO	NO	YES
00703333	SG-SEC1-23S	FIELD_SAMPLE	3-20-13 / 1456	4/4/13 1451		"	NO	NO	YES
00703334	SG-SEC1-12S	FIELD_SAMPLE	3-20-13 / 1522	4/4/13 1505		"	NO	NO	YES
00703335		FIELD_SAMPLE		trip Blank					
00703336		FIELD_SAMPLE		trip Blank					
00703337	SG-SEC1-12D	FIELD_SAMPLE	3-20-13 / 1522	4/4/13 1512		"	NO	NO	NO
00703338	SG-SEC1-11S	FIELD_SAMPLE	3-20-13 / 1540	4/4/13 1518			NO	NO	YES
00703339	SG-SEC1-11D	FIELD_SAMPLE	3-20-13 / 1545	4/4/13 1525			NO	NO	YES
00703340		FIELD_SAMPLE							
00703341		FIELD_SAMPLE							



GORE[®] Surveys
Installation & Retri

* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE			PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)				
00703325	Clay						
00703326	↓						
00703327							
00703328							
00703329							
00703330							
00703331							
00703332							
00703333							
00703334							
00703335		N/A					
00703336	N/A						
00703337	Clay						
00703338	↓						
00703339							
00703340							
00703341							

ATTACHMENT D
SURVEY DATA SUMMARY

Attachment D
Survey Data Summary
Pinewood Landfill
Pinewood, South Carolina

	A	B	C	D	E
1	Location	Northing	Easting	Elevation	Description
2	BM # 1	676595.838	2149120.628	173.202	LINDLER / PK Nail
3	BM #1 CHK.	676595.768	2149120.626	173.195	LINDLER/PKN
4	MW- 134-T	675395.957	2146275.787		
5	MW- 15	676053.219	2145187.136		
6	MW- OC-12	676068.647	2145202.497		
7	MW-21	676461.086	2144309.286		
8	MW-27-AR	677113.418	2143994.761		
9	MW-39P	674925.991	2145601.192		
10	MW-OC9	675014.440	2145538.333		
11	SG-SEC1-01D	675820.446	2145927.922	124.84	Top PVC Casing
12				125.00	Ground
13	SG-SEC1-01S	675817.299	2145931.986	124.69	Top PVC Casing
14				124.91	Ground
15	SG-SEC1-02S	675973.700	2145783.109	127.35	Top PVC Casing
16				127.57	Ground
17	SG-SEC1-03S	676183.772	2145614.243	121.01	Top PVC Casing
18				121.21	Ground
19	SG-SEC1-04D	676259.069	2145443.959	115.29	Top PVC Casing
20				115.42	Ground
21	SG-SEC1-04S	676262.211	2145448.244	115.15	Top PVC Casing
22				115.32	Ground
23	SG-SEC1-05D	676143.157	2145298.769	117.62	Top PVC Casing
24				117.79	Ground
25	SG-SEC1-05S	676146.435	2145302.450	117.72	Top PVC Casing
26				117.81	Ground
27	SG-SEC1-06D	675918.254	2145035.872	116.50	Top PVC Casing
28				116.85	Ground
29	SG-SEC1-06S	675921.406	2145039.549	116.84	Top PVC Casing
30				116.86	Ground
31	SG-SEC1-07D	675521.551	2145143.544	119.06	Top PVC Casing
32				119.33	Ground
33	SG-SEC1-07S	675525.326	2145140.147	119.30	Top PVC Casing
34				119.38	Ground
35	SG-SEC1-08D	675284.328	2145316.018	121.26	Top PVC Casing
36				121.47	Ground
37	SG-SEC1-08S	675287.968	2145313.081	121.24	Top PVC Casing
38				121.38	Ground
39	SG-SEC1-09D	675120.327	2145453.364	122.74	Top PVC Casing
40				122.85	Ground
41	SG-SEC1-09S	675124.193	2145450.716	122.71	Top PVC Casing
42				122.79	Ground

**Attachment D
Survey Data Summary
Pinewood Landfill
Pinewood, South Carolina**

	A	B	C	D	E
43	SG-SEC1-10D	675004.040	2145541.685	123.27	Top PVC Casing
44				123.49	Ground
45	SG-SEC1-10S	675007.753	2145538.869	123.24	Top PVC Casing
46				123.51	Ground
47	SG-SEC1-11D	674928.543	2145910.851	133.78	Top PVC Casing
48				133.93	Ground
49	SG-SEC1-11S	674931.558	2145915.143	133.93	Top PVC Casing
50				134.08	Ground
51	SG-SEC1-12D	675073.324	2146077.604	134.37	Top PVC Casing
52				134.67	Ground
53	SG-SEC1-12S	675076.195	2146081.750	134.64	Top PVC Casing
54				134.74	Ground
55	SG-SEC1-13D	675342.205	2146308.703	129.88	Top PVC Casing
56				129.89	Ground
57	SG-SEC1-13S	675345.636	2146305.582	129.75	Top PVC Casing
58				129.96	Ground
59	SG-SEC1-14D	675580.421	2146115.375	123.51	Top PVC Casing
60				123.65	Ground
61	SG-SEC1-14S	675584.478	2146112.454	123.62	Top PVC Casing
62				123.63	Ground
63	SG-SEC1-15S	675717.529	2145180.956	129.57	Top PVC Casing
64				129.77	Ground
65	SG-SEC1-16S	675962.904	2145240.701	126.59	Top PVC Casing
66				126.74	Ground
67	SG-SEC1-17S	676066.013	2145580.157	129.87	Top PVC Casing
68				129.95	Ground
69	SG-SEC1-18S	675530.250	2145350.780	134.04	Top PVC Casing
70				134.16	Ground
71	SG-SEC1-19S	675647.046	2145390.025	138.06	Top PVC Casing
72				138.30	Ground
73	SG-SEC1-20S	675842.868	2145516.406	137.93	Top PVC Casing
74				138.02	Ground
75	SG-SEC1-21S	675389.967	2145392.179	130.70	Top PVC Casing
76				130.89	Ground
77	SG-SEC1-22S	675660.296	2145704.441	138.61	Top PVC Casing
78				138.63	Ground
79	SG-SEC1-23S	675818.007	2145708.829	135.90	Top PVC Casing
80				136.02	Ground
81	SG-SEC1-24S	675245.165	2145508.803	130.20	Top PVC Casing
82				130.39	Ground
83	SG-SEC1-25S	675473.203	2145785.267	139.80	Top PVC Casing
84				139.86	Ground

**Attachment D
Survey Data Summary
Pinewood Landfill
Pinewood, South Carolina**

	A	B	C	D	E
85	SG-SEC1-26S	675636.660	2145901.208	132.92	Top PVC Casing
86				133.04	Ground
87	SG-SEC1-27S	675128.657	2145577.419	130.17	Top PVC Casing
88				130.27	Ground
89	SG-SEC1-28S	675000.756	2145720.948	131.30	Top PVC Casing
90				131.40	Ground
91	SG-SEC1-29S	675309.974	2145726.731	138.31	Top PVC Casing
92				138.38	Ground
93	SG-SEC1-30S	675134.062	2145885.507	135.15	Top PVC Casing
94				135.30	Ground
95	SG-SEC1-31S	675257.262	2145972.051	135.04	Top PVC Casing
96				135.22	Ground
97	SG-SEC1-32S	675440.864	2146078.873	130.83	Top PVC Casing
98				130.98	Ground
99	SG-SECIIA-01S	676881.667	2145397.061	144.67	Top PVC Casing
100				144.83	Ground
101	SG-SECIIA-02S	676772.256	2145259.898	134.85	Top PVC Casing
102				134.91	Ground
103	SG-SECIIA-03S	676667.657	2145040.624	133.16	Top PVC Casing
104				133.17	Ground
105	SG-SECIIA-03SR	676668.183	2145102.780	131.34	Top PVC Casing
106				131.46	Ground
107	SG-SECIIA-04S	676576.820	2144926.119	129.00	Top PVC Casing
108				129.12	Ground
109	SG-SECIIA-04SR	676544.555	2144928.024	127.58	Top PVC Casing
110				127.92	Ground
111	SG-SECIIA-05S	676515.398	2144685.504	129.02	Top PVC Casing
112				129.12	Ground
113	SG-SECIIA-05SR	676467.419	2144700.139	125.60	Top PVC Casing
114				125.78	Ground
115	SG-SECIIA-06S	676440.658	2144502.285	126.03	Top PVC Casing
116				126.18	Ground
117	SG-SECIIA-07S	676465.146	2144290.676	127.37	Top PVC Casing
118				127.59	Ground
119	SG-SECIIA-08S	676551.615	2144079.761	129.74	Top PVC Casing
120				129.95	Ground
121	SG-SECIIA-09S	676707.996	2143920.088	129.01	Top PVC Casing
122				129.10	Ground
123	SG-SECIIA-10S	676923.614	2143957.08	130.62	Top PVC Casing
124				130.82	Ground
125	SG-SECIIA-11S	677054.924	2143985.908	130.85	Top PVC Casing
126				131.05	Ground

**Attachment D
Survey Data Summary
Pinewood Landfill
Pinewood, South Carolina**

	A	B	C	D	E
127	SG-SECIIA-12S	677188.007	2144028.143	131.22	Top PVC Casing
128				131.35	Ground
129	SG-SECIIA-13S	677021.904	2144255.215	145.26	Top PVC Casing
130				145.33	Ground
131	SG-SECIIA-14S	676966.027	2144499.070	161.59	Top PVC Casing
132				161.71	Ground
133	SG-SECIIA-15S	676899.451	2144774.045	152.78	Top PVC Casing
134				152.91	Ground
135	SG-SECIIA-16S	676846.846	2145009.654	145.44	Top PVC Casing
136				145.47	Ground
137	SG-SECIIA-17S	676884.725	2144322.201	152.08	Top PVC Casing
138				152.19	Ground
139	SG-SECIIA-18S	676815.312	2144598.307	152.91	Top PVC Casing
140				153.06	Ground
141	SG-SECIIA-19S	676819.746	2144822.221	148.34	Top PVC Casing
142				148.47	Ground
143	SG-SECIIA-20S	676796.840	2144147.470	145.69	Top PVC Casing
144				145.81	Ground
145	SG-SECIIA-21S	676695.953	2144203.803	143.32	Top PVC Casing
146				143.46	Ground
147	SG-SECIIA-22S	676672.614	2144419.335	144.95	Top PVC Casing
148				145.11	Ground
149	SG-SECIIA-23S	676658.435	2144691.806	141.82	Top PVC Casing
150				141.91	Ground
151	SG-SECIIA-24S	676632.457	2144945.807	131.97	Top PVC Casing
152				132.12	Ground

ATTACHMENT E
LABORATORY ANALYTICAL DATA



GORE® Surveys

FOR ENVIRONMENTAL

Laboratory Report

Site: Pinewood Site Custodial Trust
Pinewood, SC

Prepared for:

AECOM
10 PATEWOOD DRIVE
BLDG 6, SUITE 500
GREENVILLE, SC
UNITED STATES

Prepared on:
June 03, 2013



GORE® Survey - Laboratory Report

Project Summary and Objective

W. L. Gore & Associates, Inc. (Gore) provided the GORE® Survey (Survey) used at:

Pinewood Site Custodial Trust

Pinewood, SC

The service provided by Gore included delivery of the required quantity of GORE® Modules, analysis by the method described below for the requested organic compounds, reporting of the data, and contour mapping (as needed).

This report includes results for only the samples noted under the Laboratory Sample Report section. If contour maps are part of the project deliverable, the maps will be prepared and issued under a separate report cover, upon receipt of a usable sitemap (electronic) and compound choices for contouring.

Written/submitted by:

Jim E Whetzel

Project Manager

Reviewed/approved by:

Jay W Hodny

Project Manager

Analytical data approved by:

Jasmine R. Smith

Chemist



GORE® Survey - Laboratory Report

Quality Assurance Statement

The Survey Products Group laboratory, at W. L. Gore & Associates' facility in Elkton, MD USA, operates under the guidelines of its ISO Standard 17025 DoD ELAP accreditation, and its Quality Assurance Manual, Operating Procedures, and Methods (SPG-SOP-0462).

For this project, the analytical method, results, and observations reported do [] do not [√] fall within the scope of W. L. Gore's ISO 17025 accreditation.

Screening/Concentration Method

The GORE® Modules are analyzed at Gore's fixed laboratory using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260 (SPG-WI-0292) which includes the following:

- **BFB Tuning Frequency:** A BFB tune is analyzed at the start of each analytical run and after every 30 samples.
- **Initial Calibration:** A minimum of a five point calibration curve is analyzed prior to the analysis of samples.
- **Linearity of Target Compounds:** If the RSD of any target analyte is less than or equal to 25% then average response factor can be used for quantitation. If the RSD exceeds 25% for a target compound a regression equation can be used for quantitation.
- **Continuing Calibration Verification:** After every 10 samples, and at the end of each analytical batch, and a second-source Reference Standard is analyzed near the mid point of the calibration curve. The acceptance criteria for all target analytes in the reference standards are +/- 50% of the true value.
- **Method Blank:** Analyzed prior to the analysis of field samples and every 30 samples.

Note: Analyte levels reported for the field-deployed GORE® Modules that exceed trip and method blank levels, and/or method detection limit, are more likely to have originated from on-site sources.

Media Sampled:	SOIL GAS
Chemist - sample analysis:	Kelly J Stringham
Chemist - data processor:	Kelly J Stringham
Chemist - data review:	Jasmine R. Smith

Method deviations: (1) Removed highest mass level response for Acenaphthylene from calibration curve due to poor linearity. (2) Method blanks and trip blanks were found to have levels of TPH, GRPH, and DRPH levels above the reporting limit due to increased instrument noise. Values observed in the field installed samples at levels twice the maximum blank level are more likely be from sources located on the site and not instrument noise.

Please note that data file names ending with R are rerun samples using the second pair of sorbers, in which the original results were not reported. Data file names ending in D are duplicate analysis results for the second set of sorbers from the same module, and are reported.



Additional Report Information

- Comments
- Laboratory Sample Report
- Chain of Custody
- Installation and Retrieval Log
- Data Table(s)
- Concentration Calculation Method Summary (as applicable)
- Total Ion Chromatograms

Project Specific Comments

None.

Survey period ¹

GORE Modules were deployed on March 19, 20 and retrieved on April 4, 2013, for an exposure period of approximately 15-16 days.

Tamper seal intact:

Yes

Date received:

4/8/2013 11:25PM

By: Clarence W Whigham

COC returned:

Yes

Comments:

None.

¹ - Installation start to end of retrieval, as reported. See installation and retrieval log for individual deployment and retrieval dates and times (i.e., sampler exposure time).

General Comments

Analytical QA/QC

Laboratory instrumentation consists of gas chromatographs equipped with mass selective detectors, coupled with automated thermal desorption units. Sample preparation involves cutting the tip off the bottom of the GORE® Module, and transferring one or more "sorbents" to a thermal desorption tube for analysis. The insertion/retrieval cord prevents soil, water and other interferences from coming in contact with the adsorbent. No further sample preparation is required. Any replicate sorbents not consumed in the initial analysis will be discarded fifteen (15) days from the date of the laboratory report.

Data are archived and stored in a secure manner as per Gore's Quality Assurance program (SPG-SOP-0462).

Total petroleum hydrocarbons (TPH), gasoline-range petroleum hydrocarbons (GRPH), and/or diesel range petroleum hydrocarbons (DRPH), when reported, are calculated using the area under the peaks observed in m/z 55 and 57 selected ion chromatograms. Quantitation of the mass values was performed using the response factor for a specific alkane (present in the calibration standards). TPH values include the entire chromatogram and provide estimates for aliphatic hydrocarbon ranges of C4 to C20. GRPH and DRPH include only the relevant regions of the chromatograms and provide estimates for C4 to C10 and C10 to C20 aliphatic hydrocarbons, respectively.

Trip blanks were provided to document potential exposures that were not part of the signal of interest (e.g., impact during sampler shipment, installation and/or retrieval, and storage). The trip blanks are identically manufactured and packaged GORE® Modules to those modules deployed in the field. The trip blanks remain unopened during all phases of the project. Levels reported on the trip blanks may indicate potential impact to the modules other than the contaminant source of interest.

Unresolved peak envelopes (UPEs) are represented as a series of compound peaks clustered together around a central gas chromatograph elution time in the total ion chromatogram. UPEs may be indicative of complex fluid mixtures. UPEs observed early in the chromatograms are considered to indicate presence of more volatile fluids, while UPEs observed later in the chromatogram may indicate the presence of less volatile fluids. Multiple UPEs may indicate the presence of multiple complex fluids.

Total ion chromatograms (TICs) are included in the Attachments. The eight-digit serial number of each module is incorporated in the TIC identification (e.g., 12345678.D represents GORE® Module 12345678).

General Comments

Soil Gas Sampling

For soil gas sampling, the GORE® Survey reports mass levels migrating through the open pore spaces of the soil and diffusing through the sampler membrane for sorption by the engineered, hydrophobic adsorbents, housed within the membrane tube. During the migration of the soil gas away from the source to the GORE® Module, the vapors are subject to a variety of attenuation factors. The soil gas masses reported on the modules compare favorably with the concentrations reported in the soil or groundwater (e.g., where soil gas levels are reported at greater levels to other sampled locations on the site, the matrix data should reveal the same pattern, and vice versa). However, due to a variety of factors, a perfect comparison between matrix data and soil gas levels can rarely be achieved.

Soil gas concentrations ($\mu\text{g}/\text{m}^3$) are calculated following the method described in the Additional Report Information section.

Soil gas signals reported by this method cannot be correlated specifically to soil adsorbed, groundwater, and/or free-phase contamination. The soil gas signal reported from each GORE® Module can evolve from all of these sources. Differentiation between soil and groundwater contamination can only be achieved with prior knowledge of the site history (i.e., the site is known to have groundwater contamination only).

Air Sampling

For indoor, outdoor, and crawlspace air sampling, the GORE® Survey reports mass levels present in the air and diffusing through the sampler membrane for sorption by the engineered adsorbents housed within the membrane tube.

Air concentrations ($\mu\text{g}/\text{m}^3$) are calculated following the method described in the Additional Report Information section.

Groundwater and Sediment Porewater Sampling

For groundwater and sediment porewater sampling, the GORE® Survey reports the mass levels of compounds present in the water which, when coming in contact with the sampler membrane, partitions out of solution, and diffuses through the sampler membrane for sorption by the engineered adsorbents.

Water concentrations ($\mu\text{g}/\text{L}$) are calculated using the quantified mass, exposure period and the compound specific uptake rate. The rates were measured under controlled experimental conditions. The uptake rates are corrected for water pressure (depth of the GORE® Module below the water table), water temperature and the aquifer flow rate.



GORE® Survey - Laboratory Report

LABORATORY SAMPLE REPORT

Project: ENV 22101016

Site Name: Pinewood Site Custodial Trust

Module Type: SPG0001

Module ID	Sample Type	Field ID
00703259	FIELD_SAMPLE	SG-2A-24S
00703260	FIELD_SAMPLE	SG-2A-21S
00703261	FIELD_SAMPLE	SG-2A-23S
00703262	FIELD_SAMPLE	SG-2A-18S
00703263	FIELD_SAMPLE	SG-2A-19S
00703264	FIELD_SAMPLE	SG-2A-15S
00703265	FIELD_SAMPLE	SG-2A-16S
00703266	FIELD_SAMPLE	SG-2A-17S
00703267	FIELD_SAMPLE	SG-2A-13S
00703268	FIELD_SAMPLE	SG-2A-14S
00703269	FIELD_SAMPLE	SG-2A-22S
00703270	FIELD_SAMPLE	SG-2A-20S
00703271	FIELD_SAMPLE	SG-2A-10S
00703272	FIELD_SAMPLE	SG-2A-12S
00703273	FIELD_SAMPLE	SG-2A-11S
00703274	FIELD_SAMPLE	SG-2A-09S
00703275	FIELD_SAMPLE	SG-2A-08S
00703276	FIELD_SAMPLE	SG-2A-07S
00703277	FIELD_SAMPLE	SG-2A-06S
00703278	FIELD_SAMPLE	SG-2A-05SR
00703279	FIELD_SAMPLE	SG-2A-05S
00703280	FIELD_SAMPLE	SG-2A-04SR
00703281	FIELD_SAMPLE	SG-2A-04S
00703282	FIELD_SAMPLE	SG-2A-03SR
00703283	FIELD_SAMPLE	SG-2A-03S
00703284	FIELD_SAMPLE	SG-2A-02S
00703285	FIELD_SAMPLE	SG-2A-01S
00703286	FIELD_SAMPLE	SG-SEC1-13D
00703287	FIELD_SAMPLE	SG-SEC1-13S
00703288	FIELD_SAMPLE	SG-SEC1-14S
00703289	FIELD_SAMPLE	SG-SEC1-14D
00703290	FIELD_SAMPLE	SG-SEC1-01D
00703291	FIELD_SAMPLE	SG-SEC1-01S
00703292	FIELD_SAMPLE	SG-SEC1-02S
00703293	FIELD_SAMPLE	SG-SEC1-03S
00703294	FIELD_SAMPLE	SG-SEC1-04S
00703301	FIELD_SAMPLE	SG-SEC1-04D
00703302	FIELD_SAMPLE	SG-SEC1-05S
00703303	FIELD_SAMPLE	SG-SEC1-05D
00703304	FIELD_SAMPLE	SG-SEC1-06S
00703305	FIELD_SAMPLE	SG-SEC1-06D
00703306	FIELD_SAMPLE	SG-SEC1-07S
00703307	FIELD_SAMPLE	SG-SEC1-07D
00703308	FIELD_SAMPLE	SG-SEC1-08S
00703309	FIELD_SAMPLE	SG-SEC1-08D



GORE® Survey - Laboratory Report

00703310	FIELD_SAMPLE	SG-SEC1-09S
00703311	FIELD_SAMPLE	SG-SEC1-09D
00703312	FIELD_SAMPLE	SG-SEC1-10S
00703313	FIELD_SAMPLE	SG-SEC1-10D
00703314	FIELD_SAMPLE	SG-SEC1-27S
00703315	FIELD_SAMPLE	SG-SEC1-28S
00703316	TRIP_BLANK	Trip Blank
00703317	TRIP_BLANK	Trip Blank
00703318	FIELD_SAMPLE	SG-SEC1-30S
00703319	FIELD_SAMPLE	SG-SEC1-31S
00703320	FIELD_SAMPLE	SG-SEC1-32S
00703321	FIELD_SAMPLE	SG-SEC1-26S
00703322	FIELD_SAMPLE	SG-SEC1-25S
00703323	FIELD_SAMPLE	SG-SEC1-29S
00703324	FIELD_SAMPLE	SG-SEC1-24S
00703325	FIELD_SAMPLE	SG-SEC1-21S
00703326	FIELD_SAMPLE	SG-SEC1-18S
00703327	FIELD_SAMPLE	SG-SEC1-19S
00703328	FIELD_SAMPLE	SG-SEC1-20S
00703329	FIELD_SAMPLE	SG-SEC1-22S
00703330	FIELD_SAMPLE	SG-SEC1-15S
00703331	FIELD_SAMPLE	SG-SEC1-16S
00703332	FIELD_SAMPLE	SG-SEC1-17S
00703333	FIELD_SAMPLE	SG-SEC1-23S
00703334	FIELD_SAMPLE	SG-SEC1-12S
00703335	TRIP_BLANK	Trip Blank
00703336	TRIP_BLANK	Trip Blank
00703337	FIELD_SAMPLE	SG-SEC1-12D
00703338	FIELD_SAMPLE	SG-SEC1-11S
00703339	FIELD_SAMPLE	SG-SEC1-11D
00703340	UNUSED	Not Provided
00703341	UNUSED	Not Provided

**Total #
"FIELD SAMPLES"**

71

**Total #
"TRIP BLANKS"**

4

**Total #
"UNUSED"**

2

**Total #
"LOST"**

0

Duplicate samples: 0



GORE SURVEY PRODUCTS GROUP
 100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
 +1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

GORE® Survey Chain of Custody
Soil gas and/or Air Sampling

Production Order #: 22101016

Customer Name: AECOM
 Address: 10 PATEWOOD DRIVE
 BLDG 6, SUITE 500
 GREENVILLE, SC 29615
 USA

Site Name: Pinewood Site Custodial Trust
 Site Address: Pinewood, SC
 Project Manager:

Serial # of GORE Modules Shipped	# of Modules for Installation	73.00	# of Trip Blanks	4
00703259 - 00703294	Total Modules Shipped	77.00	Pieces	
00703301 - 00703341	Total Modules Received	<u>77</u>	Pieces	
	Total Modules Installed	<u>71</u>	Pieces	

Serial # of Trip Blanks (Client Decides)

00703316
00703317
00703335
00703336

Prepared By: <u>[Signature]</u>	Installation Method: (Circle those that apply) Slide Hammer Hammer Drill Auger Other: <u>Soil Gas Well</u>
Verified By: <u>[Signature]</u>	Retrieval Performed By: <u>[Signature]</u>
Installation Performed By: Name: <u>Meredith Henderson / James Campbell</u> Company: <u>AECOM</u>	Name: <u>James Campbell</u> Company: <u>AECOM</u>
Installation Start Date / Time: <u>3/19/13 1450</u>	Retrieval Start Date / Time: <u>4/4/13 0826</u>
Installation Complete Date / Time: <u>3/20/13 1545</u>	Retrieval Complete Date / Time: <u>4/4/13 1525</u>
Total Modules Retrieved: <u>71</u>	
Total Modules Lost In Field: <u>0</u>	
Total Unused Modules Returned: <u>2</u>	
Relinquished By: <u>[Signature]</u> Date/Time: <u>3-1-13</u>	Received By: _____ Date/Time: _____
Company: <u>W.L. GORE</u> 7:15AM	Company: _____
Relinquished By: <u>[Signature]</u> Date/Time: <u>4/5/13</u>	Received By: _____ Date/Time: _____
Company: <u>AECOM</u> 1015	Company: _____
Relinquished By: _____ Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: <u>4/8/12</u>
Company: _____	Company: <u>W.L. Gore</u> 11:25



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
 Elkton, MD USA 21921
 ph: 410-392-7600

GORE Project No:
 Site Name:
 Site Location:

GORE[®] Surveys
 Installation & Retrieval Log

Company Name:
 Location:
 Samples collected by:

AECOM

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	YES / NO	
								ODOR ?	WATER IN INSTALLATION HOLE?
00703259	SG-2A-245	FIELD_SAMPLE	3-19-13/1450	4/4/13 0826		MONITORABLE REL.	NO	NO	YES
00703260	SG-2A-215	FIELD_SAMPLE	3-19-13/1505	4/4/13 0836		"	NO	NO	YES
00703261	SG-2A-235	FIELD_SAMPLE	3-19-13/1515	4/4/13 0843		"	NO	NO	YES
00703262	SG-2A-185	FIELD_SAMPLE	3-19-13/1526	4/4/13 0850		"	NO	NO	YES
00703263	SG-2A-195	FIELD_SAMPLE	3-19-13/1530	4/4/13 0857		"	NO	NO	NO
00703264	SG-2A-155	FIELD_SAMPLE	3-19-13/1543	4/4/13 0902		"	NO	NO	NO
00703265	SG-2A-165	FIELD_SAMPLE	3-19-13/1550	4/4/13 0908		"	NO	NO	NO
00703266	SG-2A-175	FIELD_SAMPLE	3-19-13/1600	4/4/13 0915		"	NO	NO	YES
00703267	SG-2A-135	FIELD_SAMPLE	3-19-13/1608	4/4/13 0922		"	NO	NO	YES
00703268	SG-2A-145	FIELD_SAMPLE	3-19-13/1614	4/4/13 0927		"	NO	NO	YES
00703269	SG-2A-225	FIELD_SAMPLE	3-19-13/1622	4/4/13 0934		"	NO	NO	YES
00703270	SG-2A-205	FIELD_SAMPLE	3-19-13/1633	4/4/13 0940		"	NO	NO	YES
00703271	SG-2A-105	FIELD_SAMPLE	3-19-13/1640	4/4/13 0949		"	NO	NO	YES
00703272	SG-2A-125	FIELD_SAMPLE	3-19-13/1654	4/4/13 0958		"	NO	NO	YES
00703273	SG-2A-115	FIELD_SAMPLE	3-19-13/1658	4/4/13 1002		"	NO	NO	YES
00703274	SG-2A-095	FIELD_SAMPLE	3-19-13/1707	4/4/13 1007		"	NO	NO	YES
00703275	SG-2A-085	FIELD_SAMPLE	3-19-13/1714	4/4/13 1013		"	NO	NO	YES
00703276	SG-2A-075	FIELD_SAMPLE	3-19-13/1723	4/4/13 1018		"	NO	NO	YES
00703277	SG-2A-065	FIELD_SAMPLE	3-20-13/0845	4/4/13 1022		"	NO	NO	YES
00703278	SG-2A-055R	FIELD_SAMPLE	3-20-13/0852	4/4/13 1027		"	NO	NO	YES

06/03/2013 GORE Survey Laboratory Report 22-101016 Revised 10 of 18



**GORE[®] Surveys
Installation & Retri**

* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE				PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)					
00703259	Clay							
00703260								
00703261								
00703262								
00703263								
00703264								
00703265								
00703266								
00703267								
00703268								
00703269								
00703270								
00703271								
00703272								
00703273								
00703274								
00703275								
00703276								
00703277								
00703278								



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
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 ph: 410-392-7600

GORE Project No:
 Site Name:
 Site Location:

GORE® Surveys
 Installation & Retrieval Log

Company Name:
 Location:
 Samples collected by:

AECOM

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	YES / NO	
								ODOR ?	WATER IN INSTALLATION HOLE?
00703279	SG-2A-05S	FIELD_SAMPLE	3-20-13 / 0858	4/4/13 1032		MONITORING P.E.Z.	NO	NO	YES
00703280	SG-2A-04SR	FIELD_SAMPLE	3-20-13 / 0905	4/4/13 1037		"	NO	NO	YES
00703281	SG-2A-04S	FIELD_SAMPLE	3-20-13 / 0910	4/4/13 1041		"	NO	NO	YES
00703282	SG-2A-03SR	FIELD_SAMPLE	3-20-13 / 0918	4/4/13 1045		"	NO	NO	YES
00703283	SG-2A-03S	FIELD_SAMPLE	3-20-13 / 0925	4/4/13 1050		"	NO	NO	YES
00703284	SG-2A-02S	FIELD_SAMPLE	3-20-13 / 0932	4/4/13 1056		"	NO	NO	YES
00703285	SG-2A-01S	FIELD_SAMPLE	3-20-13 / 0938	4/4/13 1102		"	NO	NO	YES
00703286	SG-SEC-13D	FIELD_SAMPLE	3-20-13 / 0950	4/4/13 1108		"	NO	NO	YES
00703287	SG-SEC-13S	FIELD_SAMPLE	3-20-13 / 1000	4/4/13 1113		"	NO	NO	YES
00703288	SG-SEC-14S	FIELD_SAMPLE	3-20-13 / 1006	4/4/13 1119		"	NO	NO	YES
00703289	SG-SEC-14D	FIELD_SAMPLE	3-20-13 / 1010	4/4/13 1125		"	NO	NO	NO
00703290	SG-SEC-01D	FIELD_SAMPLE	3-20-13 / 1015	4/4/13 1130		"	NO	NO	NO
00703291	SG-SEC-01S	FIELD_SAMPLE	3-20-13 / 1022	4/4/13 1134		"	NO	NO	YES
00703292	SG-SEC-02S	FIELD_SAMPLE	3-20-13 / 1030	4/4/13 1159		"	NO	NO	YES
00703293	SG-SEC-03S	FIELD_SAMPLE	3-20-13 / 1038	4/4/13 1204		"	NO	NO	YES
00703294	SG-SEC-04S	FIELD_SAMPLE	3-20-13 / 1045	4/4/13 1209		"	NO	NO	YES
00703301	SG-SEC-04D	FIELD_SAMPLE	3-20-13 / 1047	4/4/13 1214		"	NO	NO	YES
00703302	SG-SEC-05S	FIELD_SAMPLE	3-20-13 / 1055	4/4/13 1218		"	NO	NO	YES
00703303	SG-SEC-05D	FIELD_SAMPLE	3-20-13 / 1102	4/4/13 1222		"	NO	NO	NO
00703304	SG-SEC-06S	FIELD_SAMPLE	3-20-13 / 1107	4/4/13 1228		"	NO	NO	YES

06/03/2013 GORE Survey Laboratory Report 22101016 Revised 12 of 18



**GORE[®] Surveys
Installation & Retri**

* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE				PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)					
00703279	Clay							
00703280								
00703281								
00703282								
00703283								
00703284								
00703285								
00703286								
00703287								
00703288								
00703289								
00703290								
00703291								
00703292								
00703293								
00703294								
00703301								
00703302								
00703303								
00703304								



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 ph: 410-392-7600

GORE Project No:
 Site Name:
 Site Location:

GORE® Surveys
 Installation & Retrieval Log

Company Name:
 Location:

AECOM

Samples collected by:

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS NTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	YES / NO	
								ODOR?	WATER IN INSTALLATION HOLE?
00703305	SG-SEC-010D	FIELD_SAMPLE	3-20-13 / 1110	4/4/13 1232		None Sample Pres.	NO	NO	NO
00703306	SG-SEC-07S	FIELD_SAMPLE	3-20-13 / 1117	4/4/13 1238		"	NO	NO	YES
00703307	SG-SEC-07D	FIELD_SAMPLE	3-20-13 / 1120	4/4/13 1242		"	NO	NO	NO
00703308	SG-SEC-08S	FIELD_SAMPLE	3-20-13 / 1127	4/4/13 1248		"	NO	NO	YES
00703309	SG-SEC-08D	FIELD_SAMPLE	3-20-13 / 1130	4/4/13 1252		"	NO	NO	NO
00703310	SG-SEC-09S	FIELD_SAMPLE	3-20-13 / 1138	4/4/13 1257		"	NO	NO	YES
00703311	SG-SEC-09D	TRIP_BLANK	3-20-13 / 1142	Field Sample 4/4/13	1301	"	NO	NO	NO
00703312	SG-SEC-10S	TRIP_BLANK	3-20-13 / 1147	Field Sample 4/4/13	1306	"	NO	NO	YES
00703313	SG-SEC-10D	FIELD_SAMPLE	3-20-13 / 1150	4/4/13 1311		"	NO	NO	NO
00703314	SG-SEC-27S	FIELD_SAMPLE	3-20-13 / 1155	4/4/13 1316		"	NO	NO	YES
00703315	SG-SEC-28S	FIELD_SAMPLE	3-20-13 / 1205	4/4/13 1322		"	NO	NO	YES
00703316		FIELD_SAMPLE		TRIP - BLANK					YES
00703317		FIELD_SAMPLE		TRIP - BLANK					YES
00703318	SG-SEC-30S	FIELD_SAMPLE	3-20-13 / 1223	4/4/13 1327			NO	NO	YES
00703319	SG-SEC-31S	FIELD_SAMPLE	3-20-13 / 1237	4/4/13 1332			NO	NO	YES
00703320	SG-SEC-32S	FIELD_SAMPLE	3-20-13 / 1245	4/4/13 1337			NO	NO	YES
00703321	SG-SEC-20S	FIELD_SAMPLE	3-20-13 / 1300	4/4/13 1342			NO	NO	YES
00703322	SG-SEC-25S	FIELD_SAMPLE	3-20-13 / 1315	4/4/13 1348			NO	NO	YES
00703323	SG-SEC-29S	FIELD_SAMPLE	3-20-13 / 1334	4/4/13 1354			NO	NO	YES
00703324	SG-SEC-24S	FIELD_SAMPLE	3-20-13 / 1345	4/4/13 1359			NO	NO	YES

06/03/2013 GORE Survey Laboratory Report 22101016 Revised 14 of 18



GORE[®] Surveys
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* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE				WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)							
00703305	Clay								
00703306									
00703307									
00703308									
00703309									
00703310									
00703311									
00703312									
00703313									
00703314									
00703315									
00703316	n/a								
00703317	n/a								
00703318	Clay								
00703319									
00703320									
00703321									
00703322									
00703323									
00703324									



W. L. Gore & Associates, Inc.
 100 Chesapeake Boulevard
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 ph: 410-392-7600

GORE Project No:
 Site Name:
 Site Location:

ENV 22101016
 Pinewood Site Custodial Trust
 Pinewood, SC

GORE® Surveys
Installation & Retrieval Log

Company Name:
 Location:
 Samples collected by:

AECOM

* Optional or as needed

MODULE SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)	YES/NO		
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR?	WATER IN INSTALLATION HOLE?
00703325	SG-SEC-215	FIELD_SAMPLE	3-20-13 / 1352	4/4/13 1404		Asphalt & Ptz.	NO	NO	YES
00703326	SG-SEC-185	FIELD_SAMPLE	3-20-13 / 1401	4/4/13 1409		"	NO	NO	YES
00703327	SG-SEC-195	FIELD_SAMPLE	3-20-13 / 1410	4/4/13 1416		"	NO	NO	YES
00703328	SG-SEC-205	FIELD_SAMPLE	3-20-13 / 1417	4/4/13 1421		"	NO	NO	YES
00703329	SG-SEC-225	FIELD_SAMPLE	3-20-13 / 1420	4/4/13 1426		"	NO	NO	YES
00703330	SG-SEC-155	FIELD_SAMPLE	3-20-13 / 1433	4/4/13 1433		"	NO	NO	YES
00703331	SG-SEC-165	FIELD_SAMPLE	3-20-13 / 1442	4/4/13 1439		"	NO	NO	YES
00703332	SG-SEC-175	FIELD_SAMPLE	3-20-13 / 1449	4/4/13 1446		"	NO	NO	YES
00703333	SG-SEC-235	FIELD_SAMPLE	3-20-13 / 1450	4/4/13 1451		"	NO	NO	YES
00703334	SG-SEC-125	FIELD_SAMPLE	3-20-13 / 1522	4/4/13 1505		"	NO	NO	YES
00703335		FIELD_SAMPLE		trip Blank					
00703336		FIELD_SAMPLE		trip Blank					
00703337	SG-SEC-120	FIELD_SAMPLE	3-20-13 / 1522	4/4/13 1512		"	NO	NO	NO
00703338	SG-SEC-115	FIELD_SAMPLE	3-20-13 / 1540	4/4/13 1518		"	NO	NO	YES
00703339	SG-SEC-110	FIELD_SAMPLE	3-20-13 / 1545	4/4/13 1525		"	NO	NO	YES
00703340		FIELD_SAMPLE							
00703341		FIELD_SAMPLE							



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* Optional or as ne

MODULE SERIAL NO.	AT MINIMUM PROVIDE SOIL TYPE				PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)					
00703325	Clay							
00703326	↓							
00703327								
00703328								
00703329								
00703330								
00703331								
00703332								
00703333								
00703334								
00703335		N/A						
00703336	N/A							
00703337	Clay							
00703338	↓							
00703339								
00703340								
00703341								



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703259 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:16:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.04	0.02
trans-1,2-Dichloroethene	156-60-5	0.19	0.02
1,1-Dichloroethane	75-34-3	1.80	0.02
cis-1,2-Dichloroethene	156-59-2	0.26	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.08	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.03	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703259 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:16:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		9.85	0.50
BTEX		0.08	0.02
GRPH		2.56	0.50
DRPH		7.43	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703260 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:00:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.12	0.02
trans-1,2-Dichloroethene	156-60-5	0.12	0.02
1,1-Dichloroethane	75-34-3	4.77	0.02
cis-1,2-Dichloroethene	156-59-2	0.95	0.02
Chloroform	67-66-3	0.06	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	2.32	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.13	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703260 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:00:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.55	0.50
BTEX		0.05	0.02
GRPH		2.27	0.50
DRPH		3.41	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703261 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 5:03:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.12	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703261 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 5:03:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.85	0.50
BTEX		0.04	0.02
GRPH		2.37	0.50
DRPH		3.61	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703262 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:52:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.34	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.42	0.02
trans-1,2-Dichloroethene	156-60-5	0.35	0.02
1,1-Dichloroethane	75-34-3	1.66	0.02
cis-1,2-Dichloroethene	156-59-2	0.47	0.02
Chloroform	67-66-3	0.11	0.02
1,1,1-Trichloroethane	71-55-6	0.89	0.02
1,2-Dichloroethane	107-06-2	0.23	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.51	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	1.04	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703262 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:52:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.65	0.50
BTEX		0.06	0.02
GRPH		2.05	0.50
DRPH		3.71	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703263 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:56:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.97	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.05	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	1.05	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703263 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:56:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.11	0.50
BTEX		0.04	0.02
GRPH		1.80	0.50
DRPH		3.40	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703264 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:58:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.02	0.02
trans-1,2-Dichloroethene	156-60-5	0.04	0.02
1,1-Dichloroethane	75-34-3	0.98	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.03	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.15	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703264 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:58:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.88	0.50
BTEX		0.03	0.02
GRPH		2.31	0.50
DRPH		3.70	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703265 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:30:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	0.02	0.02
1,1-Dichloroethane	75-34-3	0.19	0.02
cis-1,2-Dichloroethene	156-59-2	0.03	0.02
Chloroform	67-66-3	0.04	0.02
1,1,1-Trichloroethane	71-55-6	0.08	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.05	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.38	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703265 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:30:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.12	0.50
BTEX		0.04	0.02
GRPH		2.41	0.50
DRPH		3.84	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703266 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:18:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.03	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.30	0.02
cis-1,2-Dichloroethene	156-59-2	0.03	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.16	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.36	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703266 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:18:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.29	0.50
BTEX		0.05	0.02
GRPH		1.91	0.50
DRPH		3.48	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703267 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:01:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	2.73	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.75	0.02
trans-1,2-Dichloroethene	156-60-5	0.89	0.02
1,1-Dichloroethane	75-34-3	5.87	0.02
cis-1,2-Dichloroethene	156-59-2	18.94	0.02
Chloroform	67-66-3	2.23	0.02
1,1,1-Trichloroethane	71-55-6	1.27	0.02
1,2-Dichloroethane	107-06-2	0.05	0.02
Benzene	71-43-2	0.09	0.02
Carbon Tetrachloride	56-23-5	13.75	0.02
Trichloroethene	79-01-6	20.85	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	3.74	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703267 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:01:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.85	0.50
BTEX		0.09	0.02
GRPH		2.18	0.50
DRPH		3.79	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703268 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:00:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.06	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.09	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703268 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:00:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.48	0.50
BTEX		0.04	0.02
GRPH		2.63	0.50
DRPH		3.99	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703269 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:55:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	1.05	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.37	0.02
trans-1,2-Dichloroethene	156-60-5	0.22	0.02
1,1-Dichloroethane	75-34-3	55.52	0.02
cis-1,2-Dichloroethene	156-59-2	1.46	0.02
Chloroform	67-66-3	26.19	0.02
1,1,1-Trichloroethane	71-55-6	0.03	0.02
1,2-Dichloroethane	107-06-2	0.13	0.02
Benzene	71-43-2	0.12	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	13.80	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.51	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703269 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:55:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.44	0.50
BTEX		0.12	0.02
GRPH		2.17	0.50
DRPH		3.39	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703270 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:27:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.16	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	10.64	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.36	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.06	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703270 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:27:00AM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.44	0.50
BTEX		0.05	0.02
GRPH		1.84	0.50
DRPH		2.70	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703271 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 10:52:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703271 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 10:52:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.50	0.50
BTEX		0.06	0.02
GRPH		2.03	0.50
DRPH		3.58	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703272 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:46:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703272 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:46:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.30	0.50
BTEX		0.03	0.02
GRPH		1.86	0.50
DRPH		3.54	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703273 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:32:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703273 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:32:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.28	0.50
BTEX		0.03	0.02
GRPH		2.56	0.50
DRPH		3.87	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703274 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 10:21:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.09	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



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100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703274 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 10:21:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		10.88	0.50
BTEX		0.09	0.02
GRPH		3.10	0.50
DRPH		7.95	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703275 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:09:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.03	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703275 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:09:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.85	0.50
BTEX		0.03	0.02
GRPH		2.43	0.50
DRPH		5.55	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703276 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:50:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.03	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.19	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703276 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:50:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.19	0.50
BTEX		0.05	0.02
GRPH		2.24	0.50
DRPH		5.07	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703277 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 6:14:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.04	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.09	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703277 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 6:14:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.89	0.50
BTEX		0.05	0.02
GRPH		1.98	0.50
DRPH		4.01	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703278 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 11:20:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.05	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.03	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.23	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703278 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 11:20:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.96	0.50
BTEX		0.06	0.02
GRPH		1.88	0.50
DRPH		4.18	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703279 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:56:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703279 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:56:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.91	0.50
BTEX		0.04	0.02
GRPH		2.53	0.50
DRPH		5.51	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703280 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:09:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.03	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703280 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:09:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.90	0.50
BTEX		0.04	0.02
GRPH		2.11	0.50
DRPH		3.91	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703281 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:59:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703281 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:59:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.28	0.50
BTEX		0.03	0.02
GRPH		2.02	0.50
DRPH		2.37	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703282 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:26:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703282 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:26:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		8.03	0.50
BTEX		0.03	0.02
GRPH		2.85	0.50
DRPH		5.34	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703283 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 1:11:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	0.07	0.02
1,1-Dichloroethane	75-34-3	1.46	0.02
cis-1,2-Dichloroethene	156-59-2	0.26	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	0.05	0.02
1,2-Dichloroethane	107-06-2	0.93	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.21	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.12	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703283 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 1:11:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.21	0.50
BTEX		0.06	0.02
GRPH		1.67	0.50
DRPH		2.63	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703284 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 11:17:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703284 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 11:17:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.64	0.50
BTEX		0.04	0.02
GRPH		4.04	0.50
DRPH		3.82	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703285 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:05:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.04	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.43	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.03	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703285 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:05:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.91	0.50
BTEX		0.03	0.02
GRPH		2.45	0.50
DRPH		4.59	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703286 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:33:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703286 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:33:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.73	0.50
BTEX		0.06	0.02
GRPH		2.40	0.50
DRPH		4.46	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703287 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 10:48:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703287 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 10:48:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.53	0.50
BTEX		0.03	0.02
GRPH		2.09	0.50
DRPH		2.55	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703288 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:08:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703288 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:08:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.16	0.50
BTEX		0.06	0.02
GRPH		2.22	0.50
DRPH		4.06	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703289 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 12:37:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703289 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 12:37:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		10.02	0.50
BTEX		0.04	0.02
GRPH		3.86	0.50
DRPH		6.37	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703290 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 12:09:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703290 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 12:09:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		22.67	0.50
BTEX		0.04	0.02
GRPH		13.34	0.50
DRPH		10.06	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703291 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:23:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703291 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:23:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.14	0.50
BTEX		0.04	0.02
GRPH		1.79	0.50
DRPH		2.45	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703292 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:33:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703292 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:33:00PM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.32	0.50
BTEX		0.05	0.02
GRPH		1.71	0.50
DRPH		2.70	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703293 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 7:26:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703293 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 7:26:00PM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.76	0.50
BTEX		0.02	0.02
GRPH		2.32	0.50
DRPH		4.56	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703294 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:05:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.09	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.03	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.03	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703294 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:05:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.40	0.50
BTEX		0.09	0.02
GRPH		2.81	0.50
DRPH		4.75	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703301 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 9:19:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	0.60	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	2.08	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	3.44	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.94	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.18	0.02
Octane	111-65-9	0.23	0.02
Tetrachloroethene	127-18-4	0.51	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	0.16	0.02
m,p-Xylene	108-38-3/106-42-3	0.10	0.02
o-Xylene	95-47-6	0.06	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	0.08	0.02
1,2,4-Trimethylbenzene	95-63-6	0.07	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	3.33	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	1.29	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703301 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 9:19:00PM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		290.07	0.50
BTEX		3.94	0.02
GRPH		58.81	0.50
DRPH		234.46	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703302 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:34:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703302 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:34:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.95	0.50
BTEX		0.06	0.02
GRPH		2.59	0.50
DRPH		5.49	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703303 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:46:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.43	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.28	0.02
trans-1,2-Dichloroethene	156-60-5	4.04	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	20.57	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.69	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	3.05	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.15	0.02
Octane	111-65-9	0.38	0.02
Tetrachloroethene	127-18-4	2.65	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	0.04	0.02
m,p-Xylene	108-38-3/106-42-3	0.06	0.02
o-Xylene	95-47-6	0.05	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	0.07	0.02
1,2,4-Trimethylbenzene	95-63-6	0.07	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	7.25	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	7.39	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	0.71	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703303 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:46:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		567.46	0.50
BTEX		0.98	0.02
GRPH		25.61	0.50
DRPH		543.25	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703304 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:39:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703304 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:39:00PM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.33	0.50
BTEX		0.04	0.02
GRPH		2.64	0.50
DRPH		3.84	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703305 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:42:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.04	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	0.04	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.07	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	1.81	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	0.06	0.02
Tetrachloroethene	127-18-4	0.76	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703305 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:42:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		20.09	0.50
BTEX		0.07	0.02
GRPH		11.08	0.50
DRPH		9.62	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703306 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 4:41:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.09	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703306 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 4:41:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.69	0.50
BTEX		0.09	0.02
GRPH		2.60	0.50
DRPH		4.23	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703307 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:28:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.09	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.02	0.02
Octane	111-65-9	0.04	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703307 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:28:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		14.31	0.50
BTEX		0.14	0.02
GRPH		5.97	0.50
DRPH		8.67	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703308 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:37:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.04	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703308 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:37:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.46	0.50
BTEX		0.04	0.02
GRPH		2.19	0.50
DRPH		5.39	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703309 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:04:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703309 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 2:04:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.29	0.50
BTEX		0.03	0.02
GRPH		1.90	0.50
DRPH		3.49	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703310 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 7:54:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703310 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 7:54:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.99	0.50
BTEX		0.05	0.02
GRPH		2.49	0.50
DRPH		3.63	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703311 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:30:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.38	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.07	0.02
trans-1,2-Dichloroethene	156-60-5	0.04	0.02
1,1-Dichloroethane	75-34-3	1.18	0.02
cis-1,2-Dichloroethene	156-59-2	0.25	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.08	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.03	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.06	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703311 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:30:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		9.46	0.50
BTEX		0.14	0.02
GRPH		2.54	0.50
DRPH		7.06	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703312 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:03:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703312 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 3:03:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.48	0.50
BTEX		0.05	0.02
GRPH		2.16	0.50
DRPH		5.43	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703313 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:36:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.07	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703313 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 3:36:00PM

Batch: ENV-130410-2

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		14.41	0.50
BTEX		0.07	0.02
GRPH		5.87	0.50
DRPH		8.87	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703314 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 8:22:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	1.56	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	24.02	0.02
trans-1,2-Dichloroethene	156-60-5	1.38	0.02
1,1-Dichloroethane	75-34-3	17.11	0.02
cis-1,2-Dichloroethene	156-59-2	17.96	0.02
Chloroform	67-66-3	3.89	0.02
1,1,1-Trichloroethane	71-55-6	73.40	0.02
1,2-Dichloroethane	107-06-2	4.91	0.02
Benzene	71-43-2	5.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	141.63	0.02
1,1,2-Trichloroethane	79-00-5	3.58	0.02
Toluene	108-88-3	4.47	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	55.88	0.02
Chlorobenzene	108-90-7	0.05	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	0.17	0.02
m,p-Xylene	108-38-3/106-42-3	0.16	0.02
o-Xylene	95-47-6	0.30	0.02
1,1,2,2-Tetrachloroethane	79-34-5	0.16	0.02
1,3,5-Trimethylbenzene	108-67-8	0.04	0.02
1,2,4-Trimethylbenzene	95-63-6	0.04	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	0.07	0.02
1,2-Dichlorobenzene	95-50-1	0.10	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	0.08	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703314 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 8:22:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		15.48	0.50
BTEX		10.11	0.02
GRPH		5.63	0.50
DRPH		10.16	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703315 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:29:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.99	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703315 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:29:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.61	0.50
BTEX		0.04	0.02
GRPH		2.18	0.50
DRPH		3.54	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703316 TRIP_BLANK

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 5:32:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703316 TRIP_BLANK

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 5:32:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.55	0.50
BTEX		0.03	0.02
GRPH		1.79	0.50
DRPH		2.86	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703317 TRIP_BLANK

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 11:40:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703317 TRIP_BLANK

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 11:40:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.08	0.50
BTEX		0.02	0.02
GRPH		1.62	0.50
DRPH		2.55	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703318 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 11:45:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.56	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	1.37	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	39.87	0.02
cis-1,2-Dichloroethene	156-59-2	0.28	0.02
Chloroform	67-66-3	0.38	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	4.01	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.49	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.12	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703318 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 11:45:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.39	0.50
BTEX		0.04	0.02
GRPH		2.27	0.50
DRPH		3.24	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703319 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 4:04:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.74	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	1.50	0.02
trans-1,2-Dichloroethene	156-60-5	0.40	0.02
1,1-Dichloroethane	75-34-3	53.75	0.02
cis-1,2-Dichloroethene	156-59-2	6.62	0.02
Chloroform	67-66-3	0.13	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.05	0.02
Benzene	71-43-2	0.07	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	5.17	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	13.71	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703319 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 4:04:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.97	0.50
BTEX		0.07	0.02
GRPH		2.62	0.50
DRPH		3.49	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703320 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 11:12:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.67	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	13.43	0.02
cis-1,2-Dichloroethene	156-59-2	0.29	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.03	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.06	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703320 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 11:12:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.77	0.50
BTEX		0.06	0.02
GRPH		2.59	0.50
DRPH		5.32	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703321 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:27:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.83	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.19	0.02
trans-1,2-Dichloroethene	156-60-5	0.05	0.02
1,1-Dichloroethane	75-34-3	21.69	0.02
cis-1,2-Dichloroethene	156-59-2	0.29	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.06	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.04	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703321 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:27:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.88	0.50
BTEX		0.06	0.02
GRPH		2.59	0.50
DRPH		4.43	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703322 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:18:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.08	0.02
trans-1,2-Dichloroethene	156-60-5	0.05	0.02
1,1-Dichloroethane	75-34-3	6.70	0.02
cis-1,2-Dichloroethene	156-59-2	0.30	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.10	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.04	0.02
1,1,2-Trichloroethane	79-00-5	0.03	0.02
Toluene	108-88-3	0.03	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703322 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:18:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.68	0.50
BTEX		0.08	0.02
GRPH		2.68	0.50
DRPH		4.14	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703323 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:57:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	3.27	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	5.53	0.02
trans-1,2-Dichloroethene	156-60-5	4.37	0.02
1,1-Dichloroethane	75-34-3	45.85	0.02
cis-1,2-Dichloroethene	156-59-2	70.32	0.02
Chloroform	67-66-3	12.19	0.02
1,1,1-Trichloroethane	71-55-6	0.70	0.02
1,2-Dichloroethane	107-06-2	0.44	0.02
Benzene	71-43-2	7.83	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	126.12	0.02
1,1,2-Trichloroethane	79-00-5	69.18	0.02
Toluene	108-88-3	0.77	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	92.02	0.02
Chlorobenzene	108-90-7	0.79	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	0.07	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	0.05	0.02
1,1,2,2-Tetrachloroethane	79-34-5	24.68	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	0.06	0.02
1,4-Dichlorobenzene	106-46-7	0.35	0.02
1,2-Dichlorobenzene	95-50-1	0.60	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703323 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 6:57:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		10.94	0.50
BTEX		8.72	0.02
GRPH		4.51	0.50
DRPH		6.68	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703324 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:06:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.99	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	2.12	0.02
trans-1,2-Dichloroethene	156-60-5	0.37	0.02
1,1-Dichloroethane	75-34-3	26.73	0.02
cis-1,2-Dichloroethene	156-59-2	4.80	0.02
Chloroform	67-66-3	0.62	0.02
1,1,1-Trichloroethane	71-55-6	0.11	0.02
1,2-Dichloroethane	107-06-2	0.12	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	1.23	0.02
1,1,2-Trichloroethane	79-00-5	0.04	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.40	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703324 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 4:06:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.99	0.50
BTEX		0.06	0.02
GRPH		1.88	0.50
DRPH		3.22	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703325 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:37:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.46	0.02
trans-1,2-Dichloroethene	156-60-5	0.03	0.02
1,1-Dichloroethane	75-34-3	2.19	0.02
cis-1,2-Dichloroethene	156-59-2	0.04	0.02
Chloroform	67-66-3	0.69	0.02
1,1,1-Trichloroethane	71-55-6	0.03	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	0.06	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.16	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703325 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 5:37:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		8.40	0.50
BTEX		0.05	0.02
GRPH		2.17	0.50
DRPH		6.36	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703326 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:11:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.46	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	2.54	0.02
trans-1,2-Dichloroethene	156-60-5	1.08	0.02
1,1-Dichloroethane	75-34-3	73.82	0.02
cis-1,2-Dichloroethene	156-59-2	6.90	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.71	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	8.42	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	3.34	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703326 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:11:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		8.12	0.50
BTEX		0.04	0.02
GRPH		2.31	0.50
DRPH		5.94	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703327 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 8:51:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	1.05	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.69	0.02
trans-1,2-Dichloroethene	156-60-5	0.68	0.02
1,1-Dichloroethane	75-34-3	14.62	0.02
cis-1,2-Dichloroethene	156-59-2	5.44	0.02
Chloroform	67-66-3	0.63	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	15.15	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	4.99	0.02
1,1,2-Trichloroethane	79-00-5	4.62	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	3.42	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	0.04	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703327 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/15/2013 8:51:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		5.82	0.50
BTEX		0.06	0.02
GRPH		2.55	0.50
DRPH		3.41	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703328 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:44:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.05	0.02
trans-1,2-Dichloroethene	156-60-5	0.10	0.02
1,1-Dichloroethane	75-34-3	1.21	0.02
cis-1,2-Dichloroethene	156-59-2	0.32	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	2.16	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703328 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:44:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.86	0.50
BTEX		0.04	0.02
GRPH		1.81	0.50
DRPH		3.14	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703329 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:13:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	0.13	0.02
cis-1,2-Dichloroethene	156-59-2	0.15	0.02
Chloroform	67-66-3	0.05	0.02
1,1,1-Trichloroethane	71-55-6	0.05	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.04	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.21	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703329 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 12:13:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.30	0.50
BTEX		0.04	0.02
GRPH		1.98	0.50
DRPH		4.43	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703330 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:43:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.15	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	3.15	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.04	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.09	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703330 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 1:43:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.82	0.50
BTEX		0.07	0.02
GRPH		2.47	0.50
DRPH		4.49	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703331 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:28:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.03	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	1.99	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.20	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.19	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703331 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 9:28:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.88	0.50
BTEX		0.05	0.02
GRPH		1.70	0.50
DRPH		3.27	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703332 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:05:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	0.21	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	25.72	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	0.12	0.02
Benzene	71-43-2	0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.06	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703332 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 8:05:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.53	0.50
BTEX		0.02	0.02
GRPH		2.64	0.50
DRPH		4.03	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703333 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:14:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	0.47	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	1.83	0.02
trans-1,2-Dichloroethene	156-60-5	2.93	0.02
1,1-Dichloroethane	75-34-3	34.43	0.02
cis-1,2-Dichloroethene	156-59-2	47.38	0.02
Chloroform	67-66-3	0.04	0.02
1,1,1-Trichloroethane	71-55-6	0.08	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.07	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	14.87	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	0.33	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703333 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 6:14:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.02	0.50
BTEX		0.07	0.02
GRPH		2.75	0.50
DRPH		3.42	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703334 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 10:24:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703334 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 10:24:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.33	0.50
BTEX		0.06	0.02
GRPH		2.43	0.50
DRPH		4.03	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703335 TRIP_BLANK

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:24:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
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PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703335 TRIP_BLANK

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 9:24:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		3.40	0.50
BTEX		<0.02	0.02
GRPH		1.29	0.50
DRPH		2.18	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703336 TRIP_BLANK

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:02:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.03	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703336 TRIP_BLANK

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 2:02:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		4.35	0.50
BTEX		0.03	0.02
GRPH		1.62	0.50
DRPH		2.81	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703337 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 11:48:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.06	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	0.03	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703337 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 11:48:00AM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		14.48	0.50
BTEX		0.10	0.02
GRPH		4.90	0.50
DRPH		9.84	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703338 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:01:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	0.03	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.05	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



GORE SURVEY PRODUCTS GROUP
100 CHESAPEAKE BOULEVARD ELKTON MARYLAND USA
+1 410 392 7600 ENVIRONMENTAL@WLGORE.COM

PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703338 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/17/2013 5:01:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		7.43	0.50
BTEX		0.05	0.02
GRPH		1.85	0.50
DRPH		5.68	0.50



PROJECT NUMBER: ENV 22101016

FOR: AECOM

SITE NAME: Pinewood Site Custodial Trust

GREENVILLE, SC 29615

SITE ADDRESS: Pinewood, SC

USA

MODULE ID: 00703339 FIELD_SAMPLE

Matrix: SOIL GAS

Product: SPG0001

Dilution Factor: 1

Porosity: 0.40

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:59:00PM

Analyst: Kelly J Stringham

Method: SPG-WI-0292

Batch: ENV-130410-2

Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	0.12	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05



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PROJECT NUMBER: ENV 22101016

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SITE NAME: Pinewood Site Custodial Trust

SITE ADDRESS: Pinewood, SC

GREENVILLE, SC 29615

USA

MODULE ID: 00703339 FIELD_SAMPLE

Dilution Factor: 1

Matrix: SOIL GAS

Porosity: 0.40

Product: SPG0001

Water Filled Voids: 0.37

Date Analyzed: 4/16/2013 7:59:00PM

Analyst: Kelly J Stringham

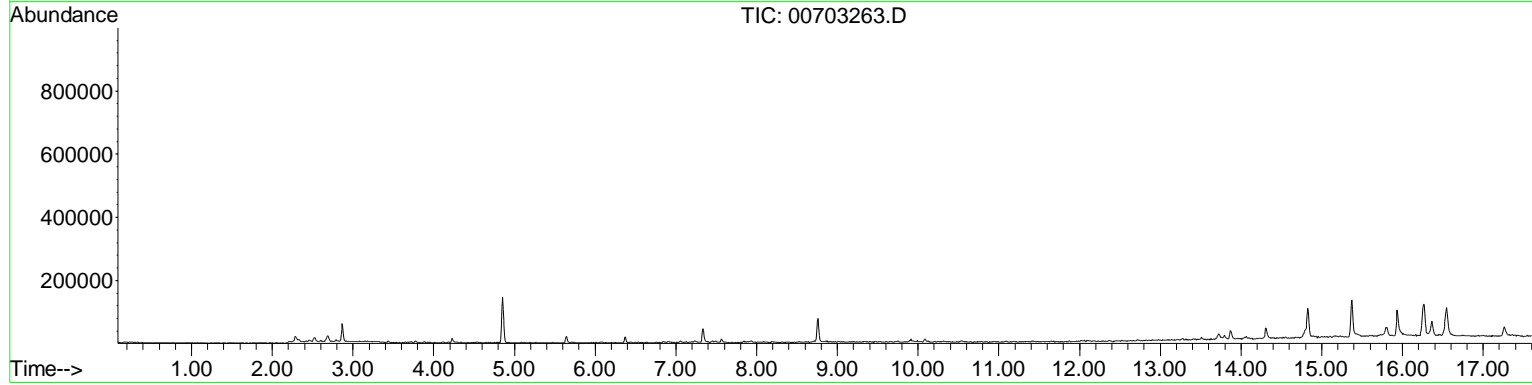
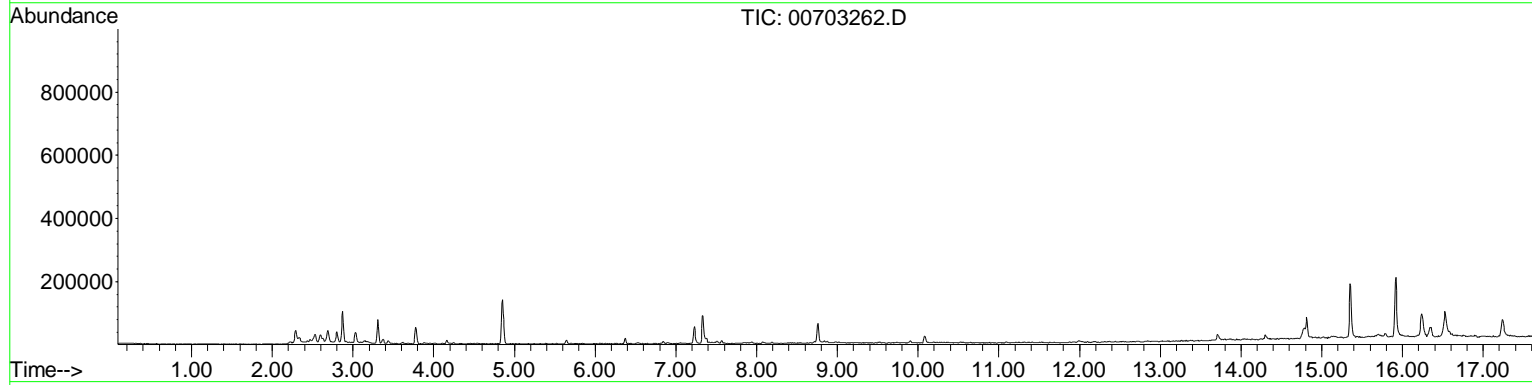
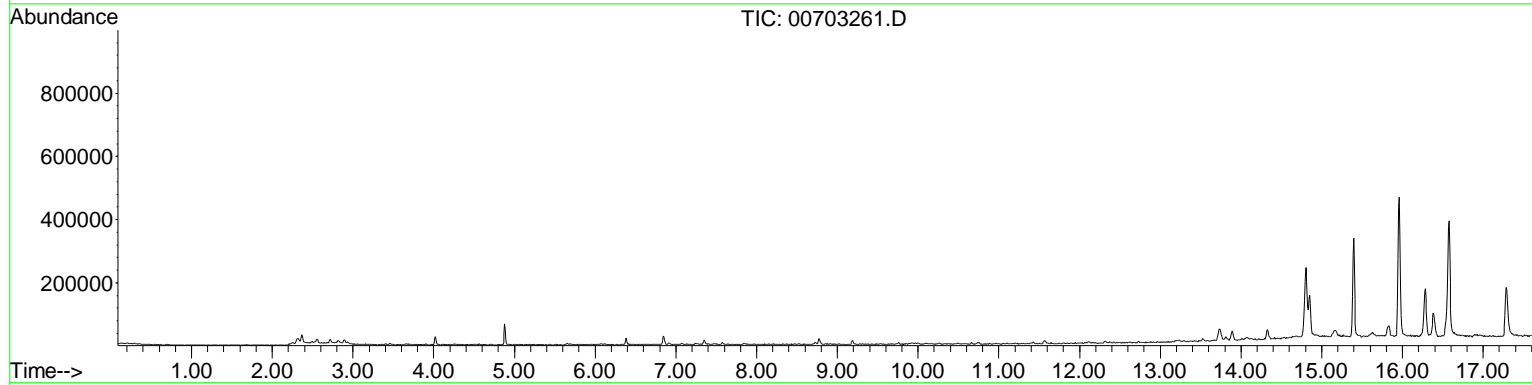
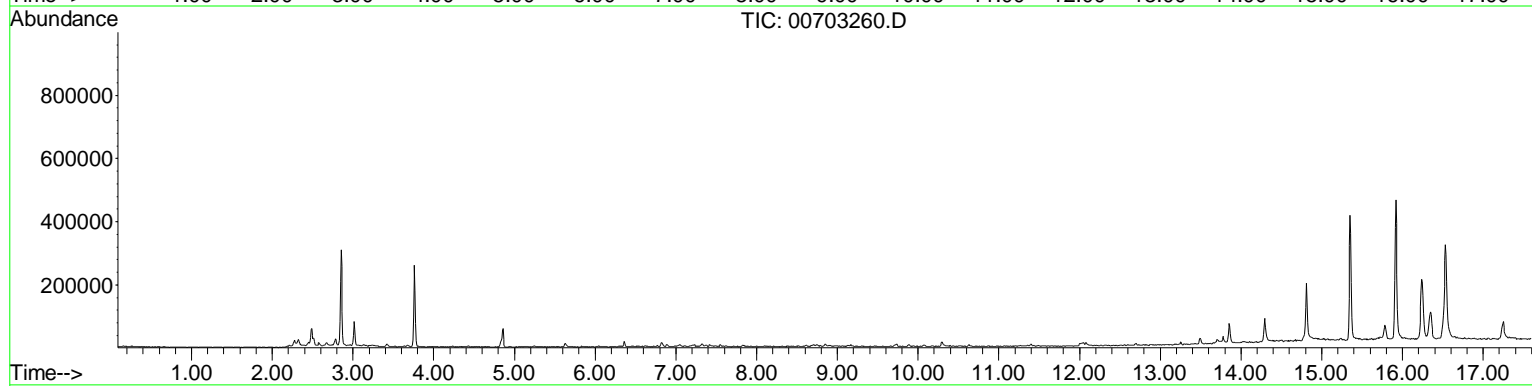
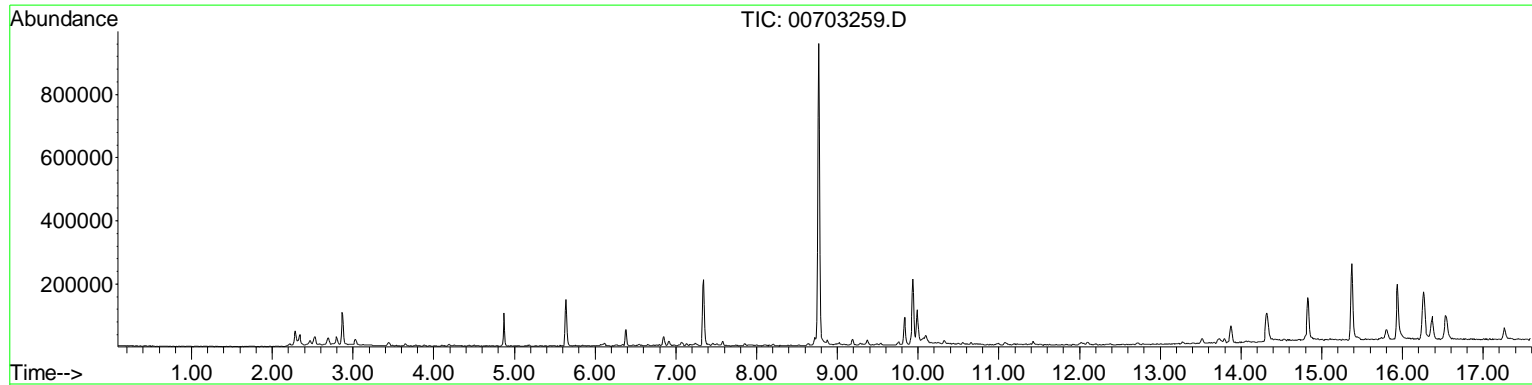
Method: SPG-WI-0292

Batch: ENV-130410-2

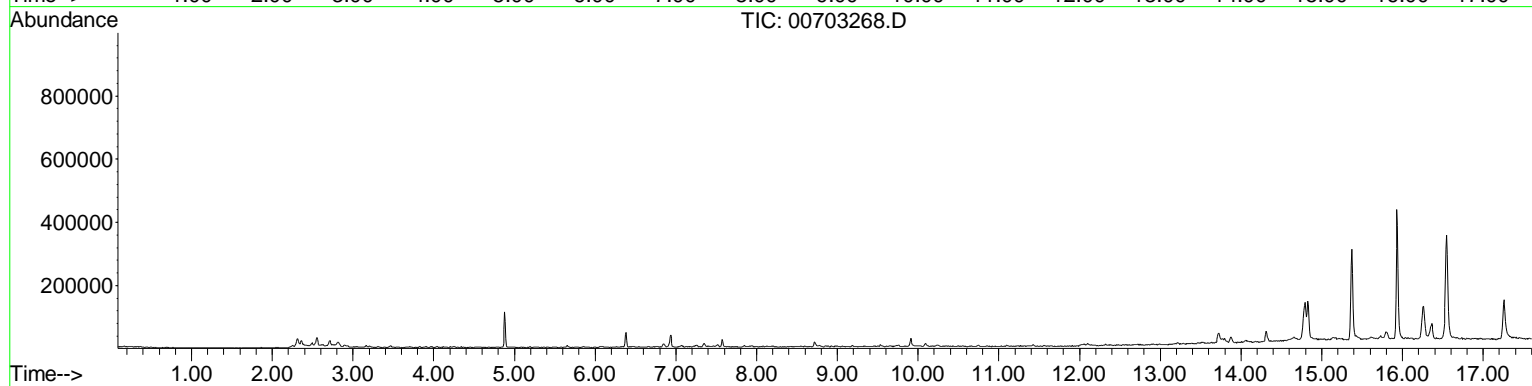
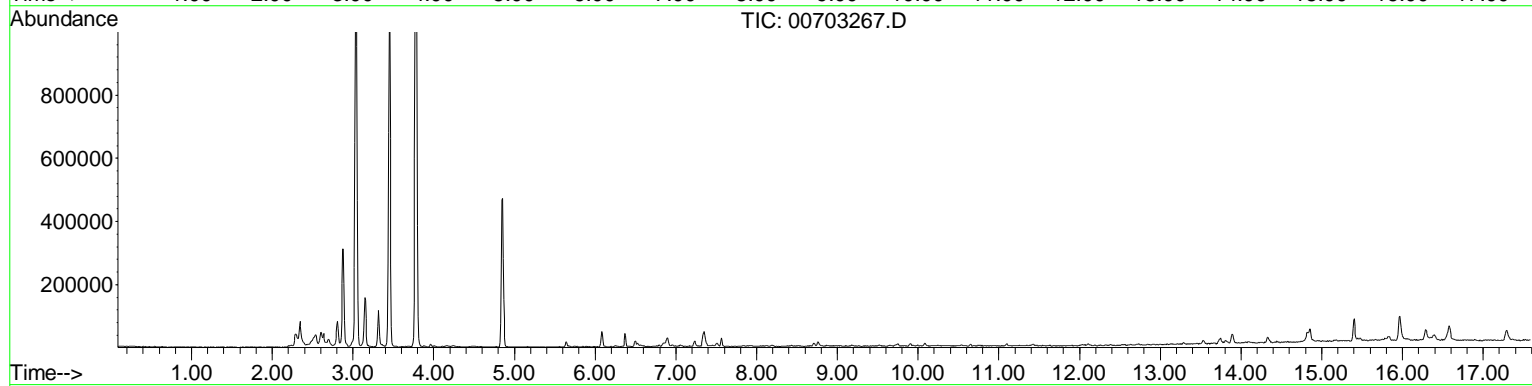
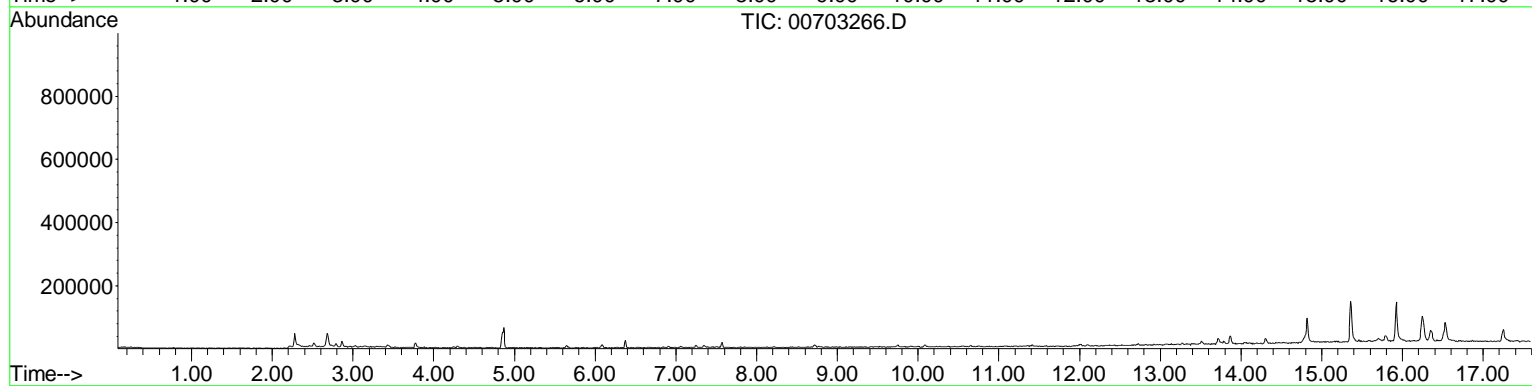
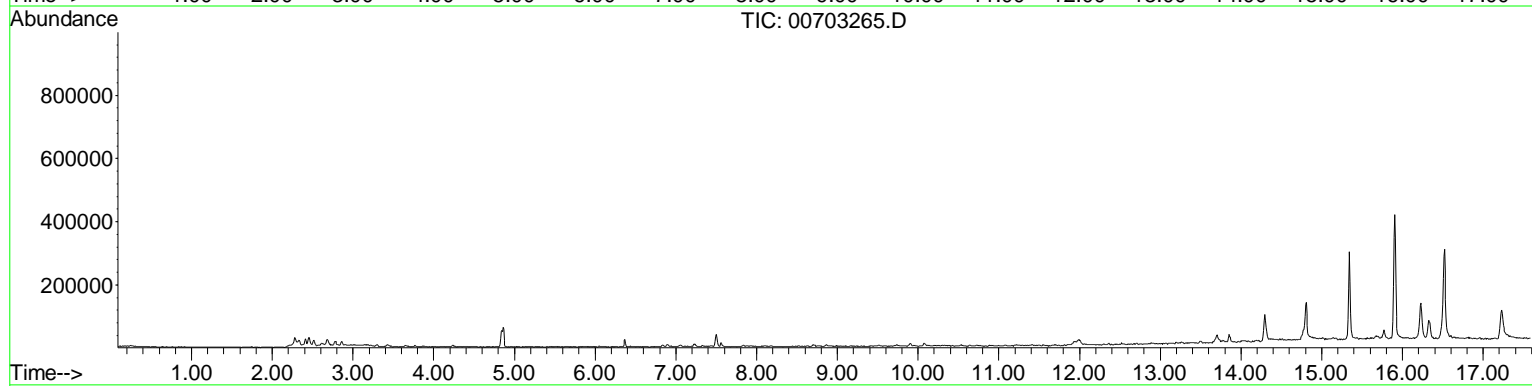
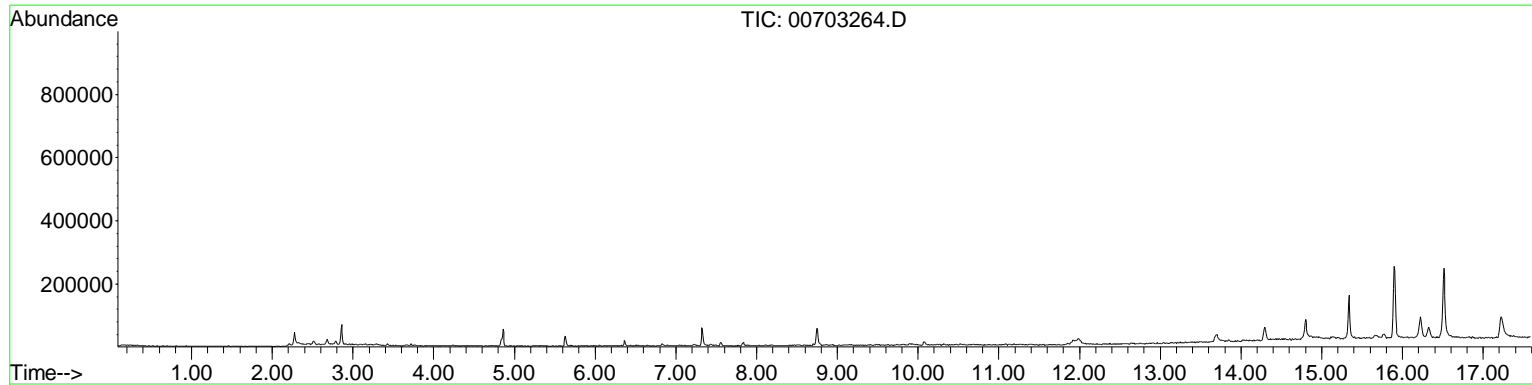
Reviewer: Jasmine R. Smith

Compound	CAS #	Result (ug)	RL (ug)
Fluorene	86-73-7	<0.05	0.05
TPH		6.78	0.50
BTEX		0.12	0.02
GRPH		2.78	0.50
DRPH		4.15	0.50

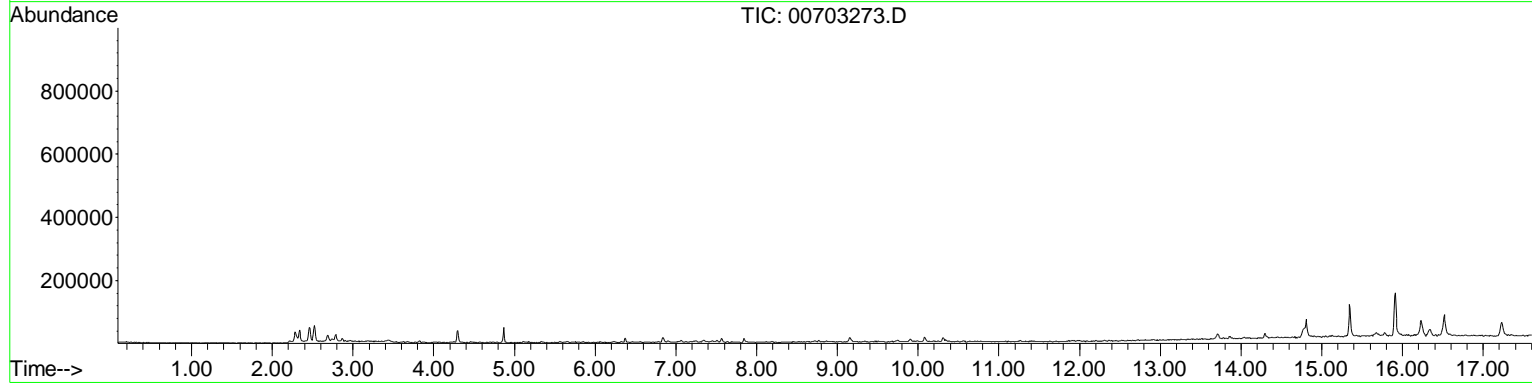
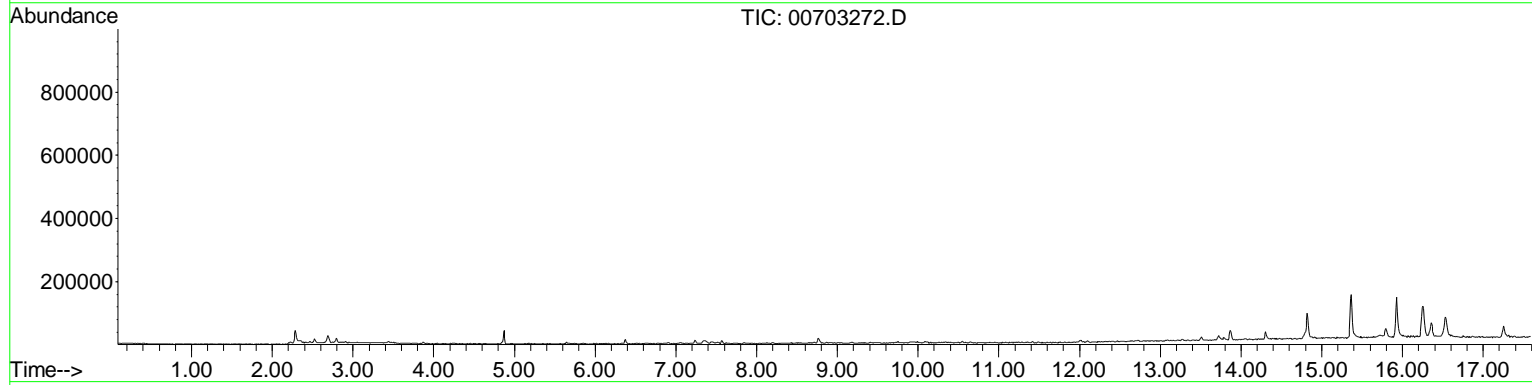
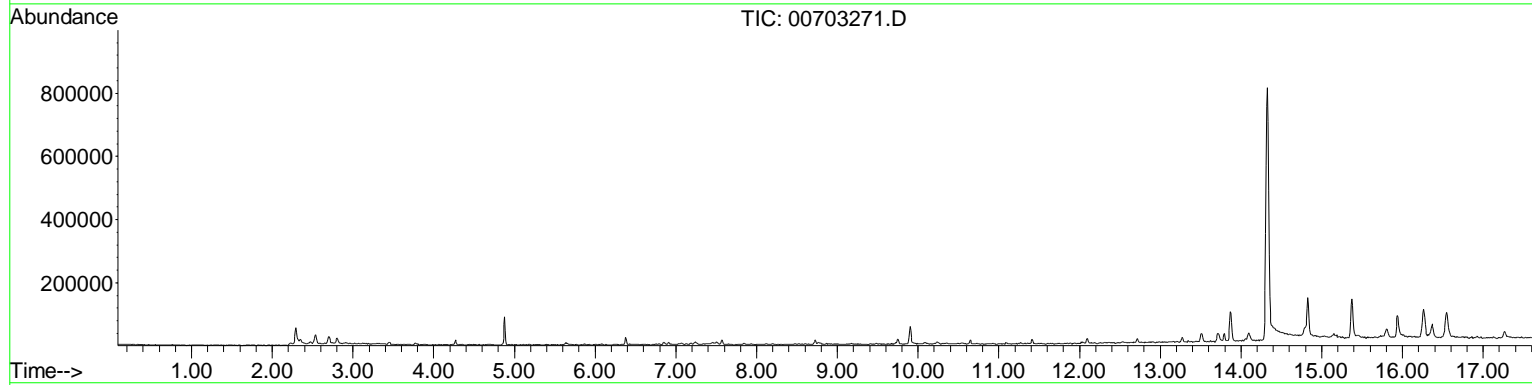
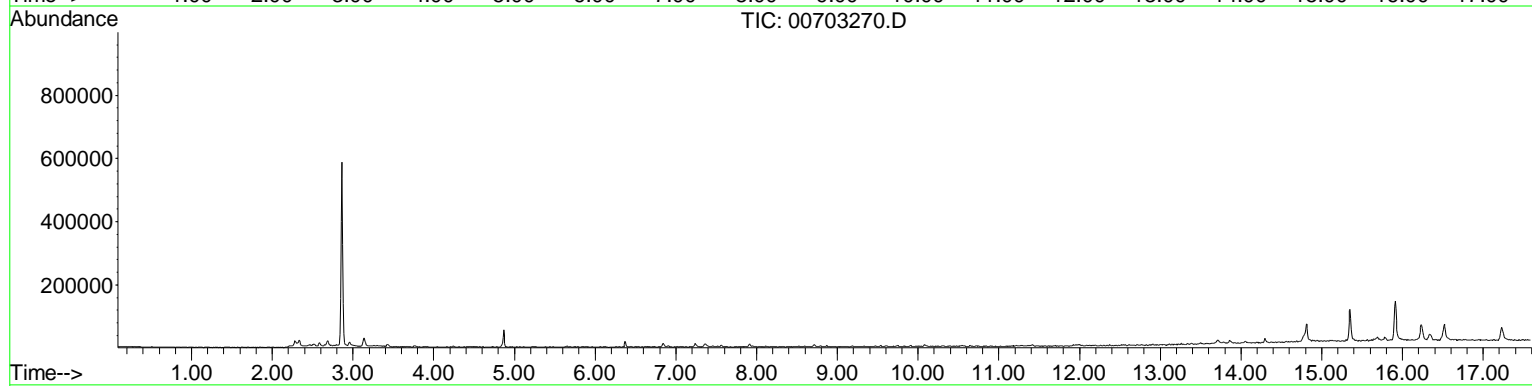
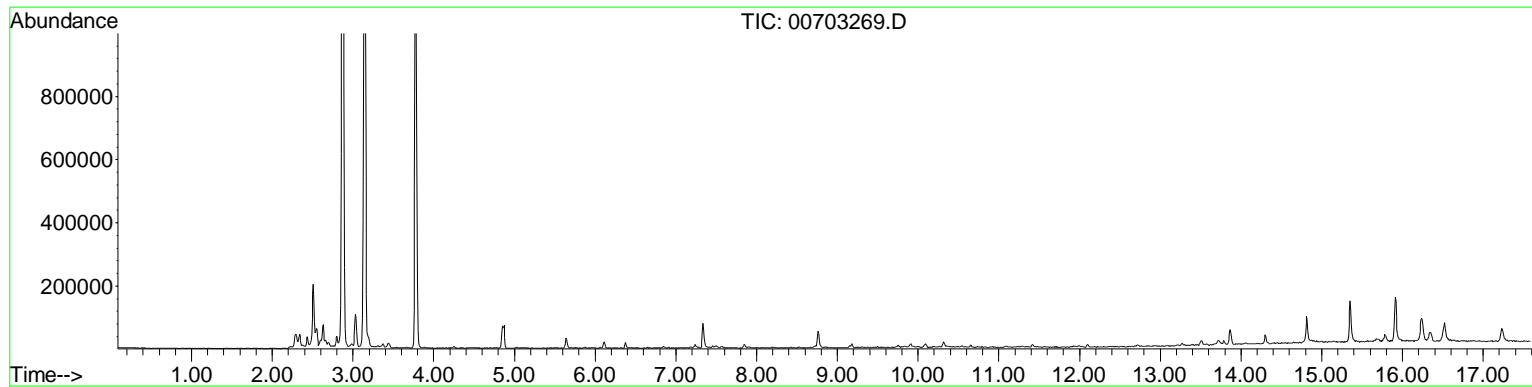
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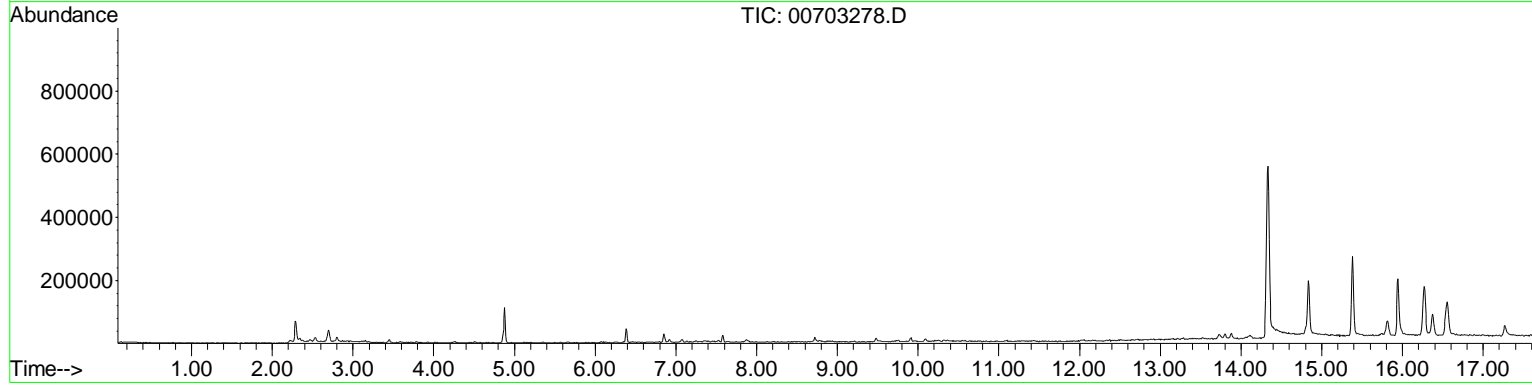
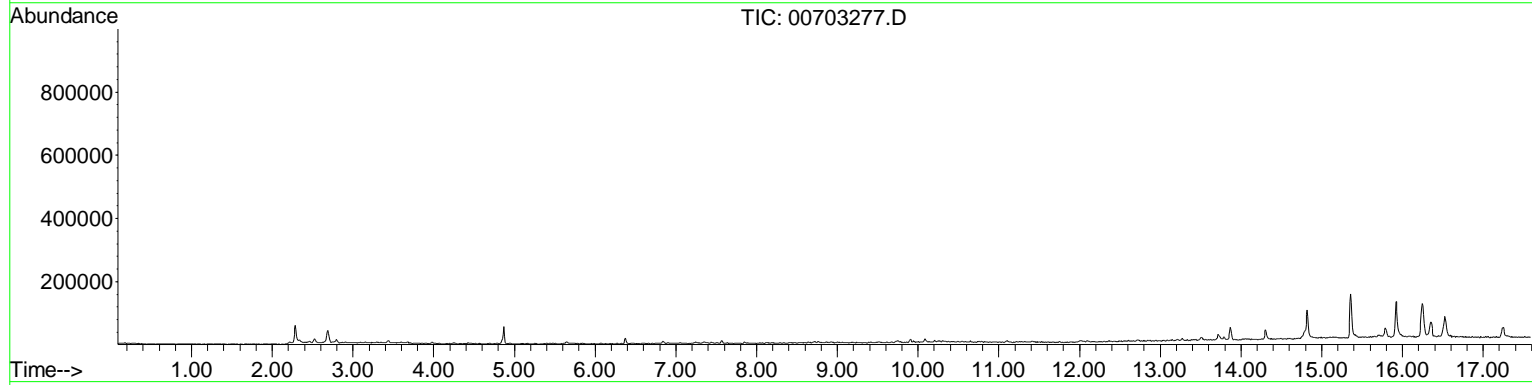
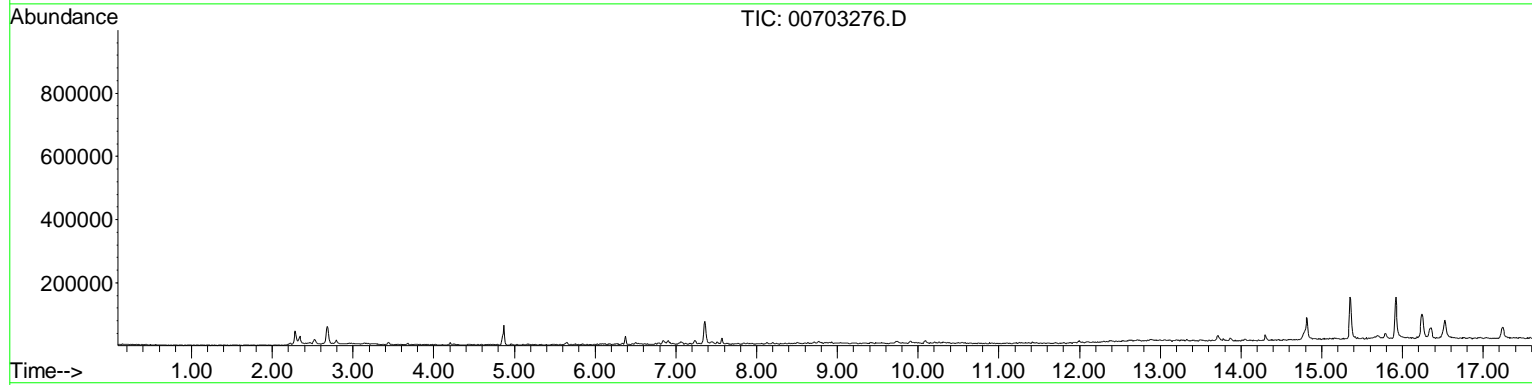
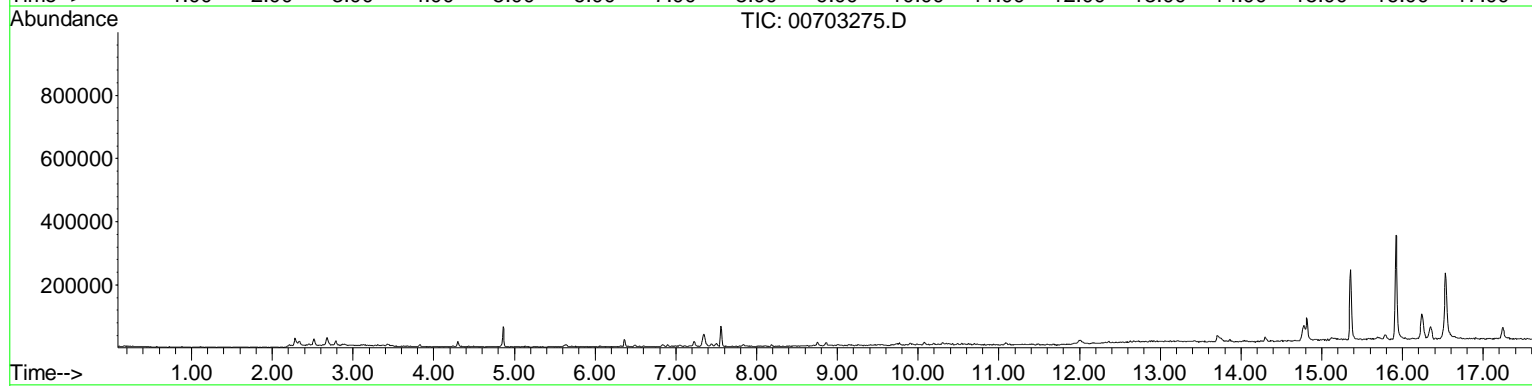
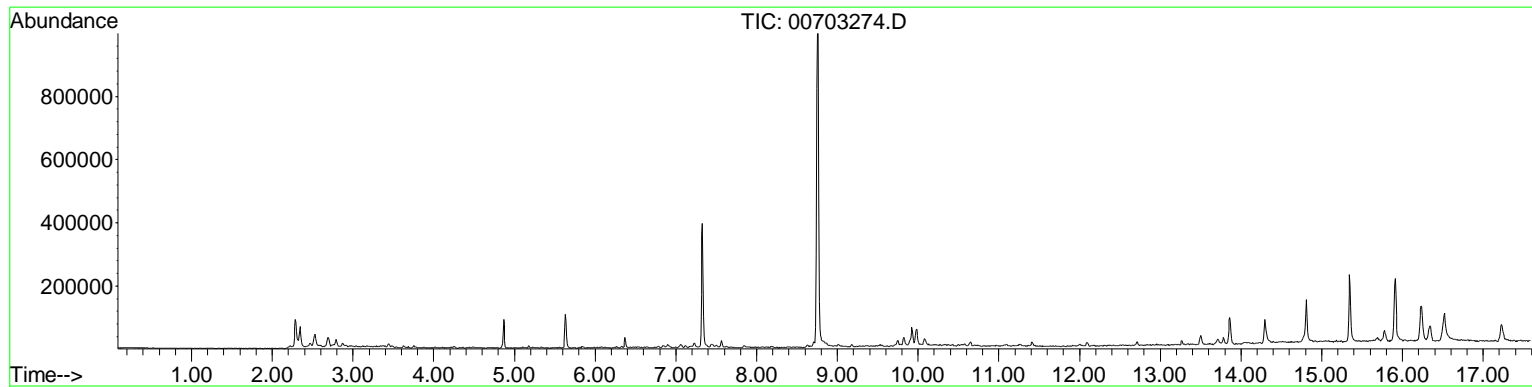
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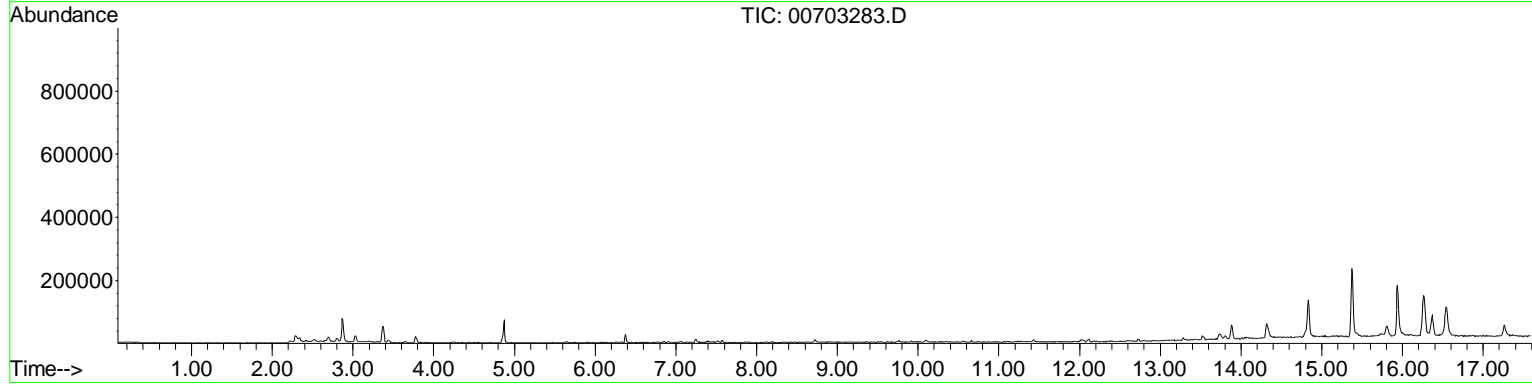
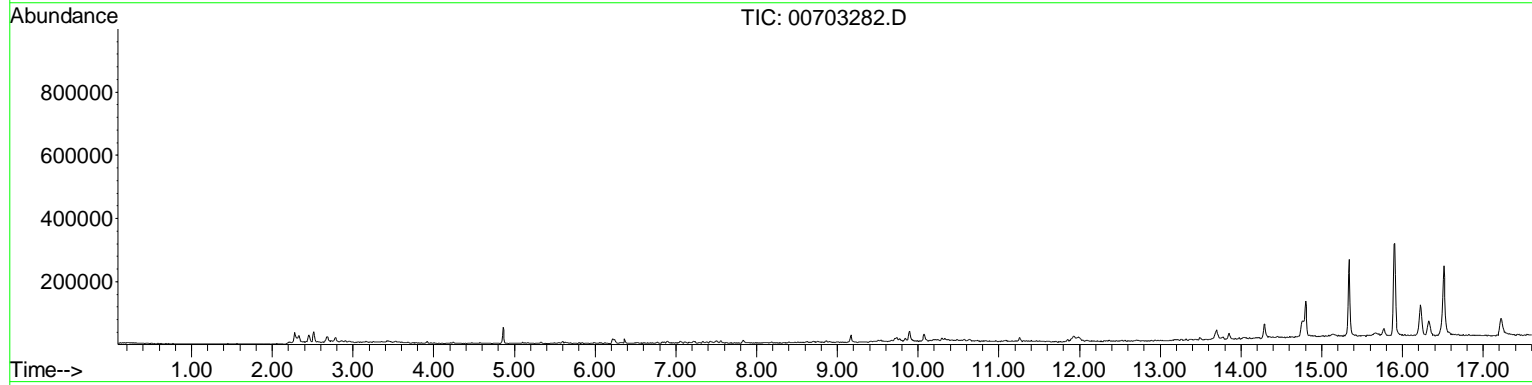
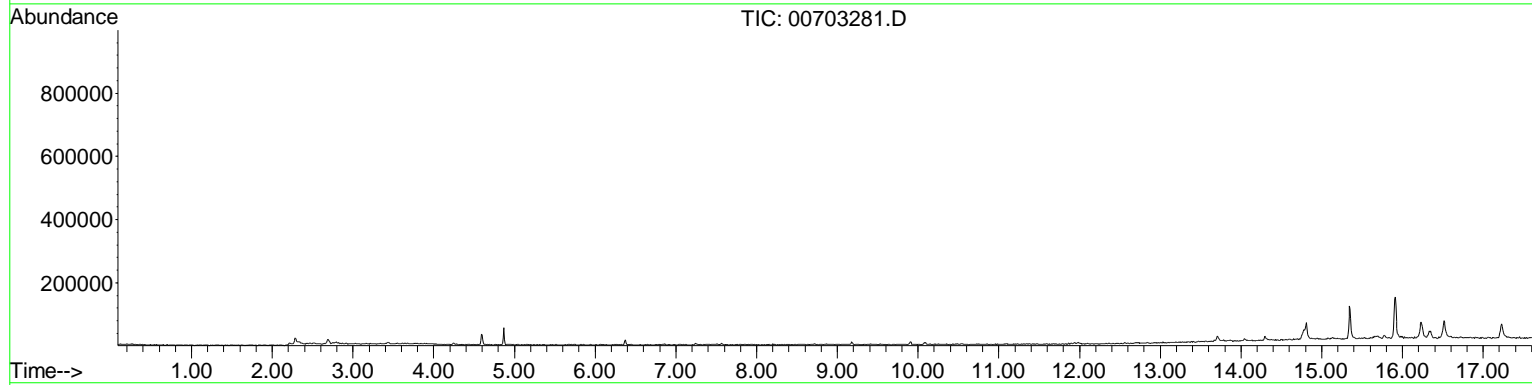
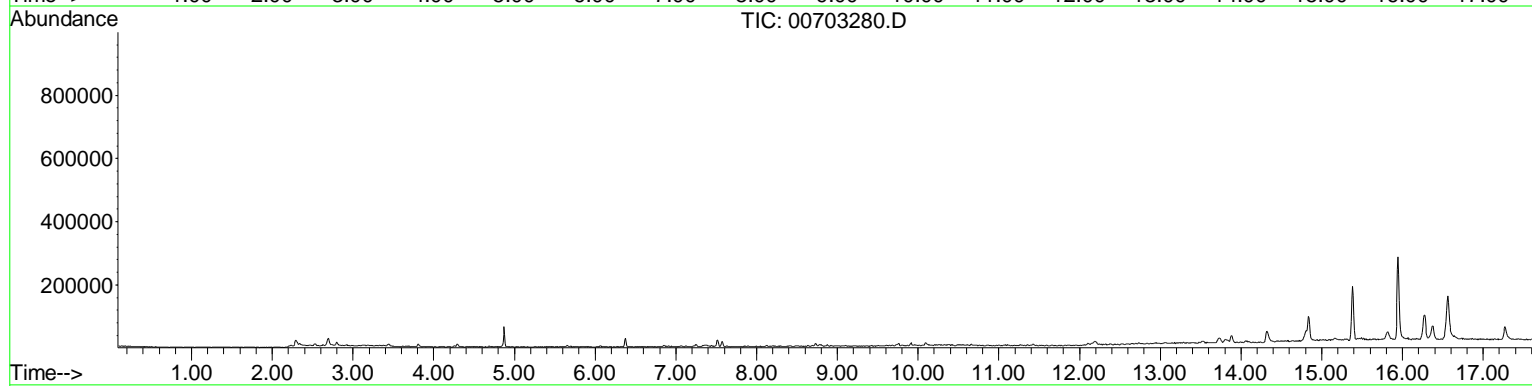
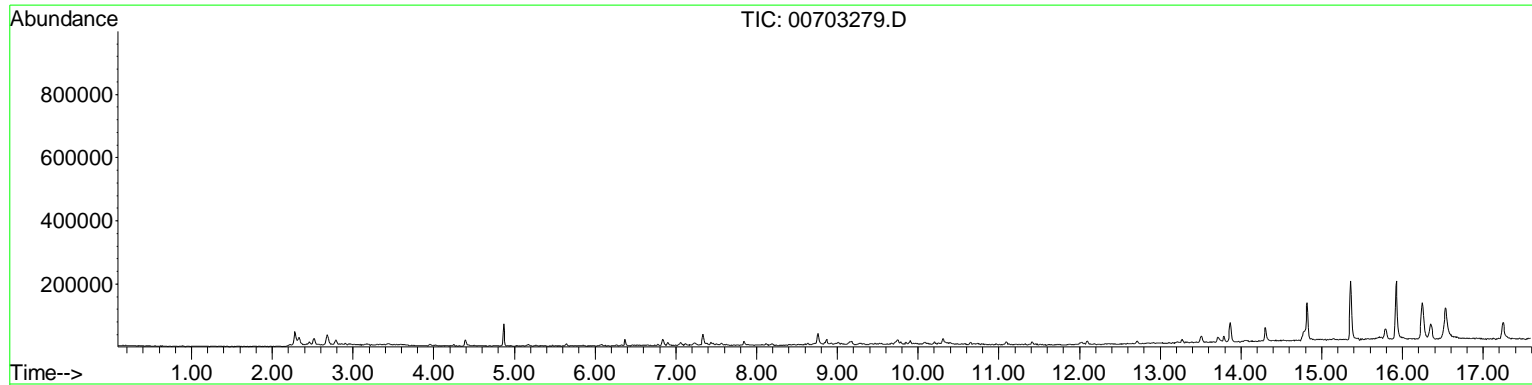
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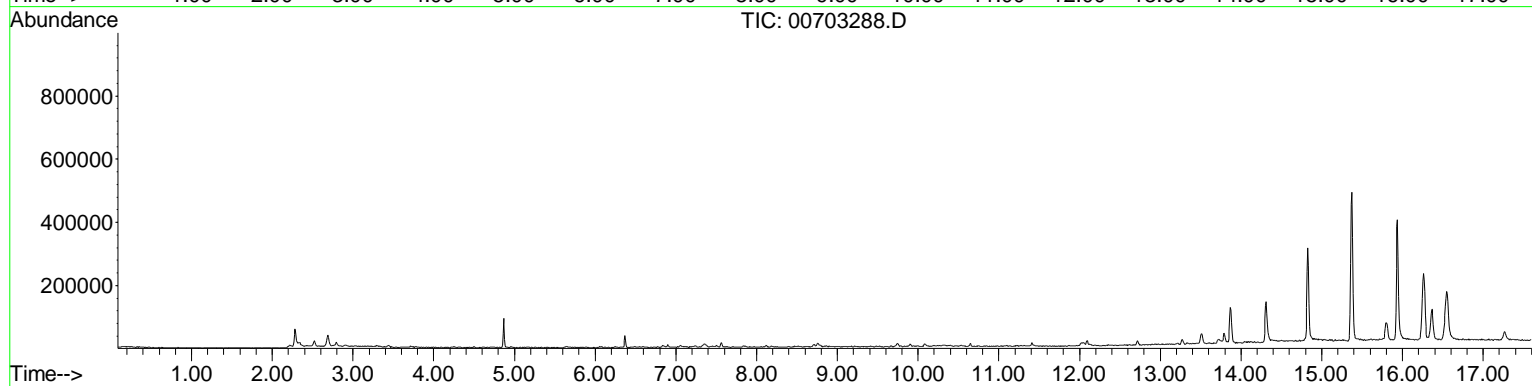
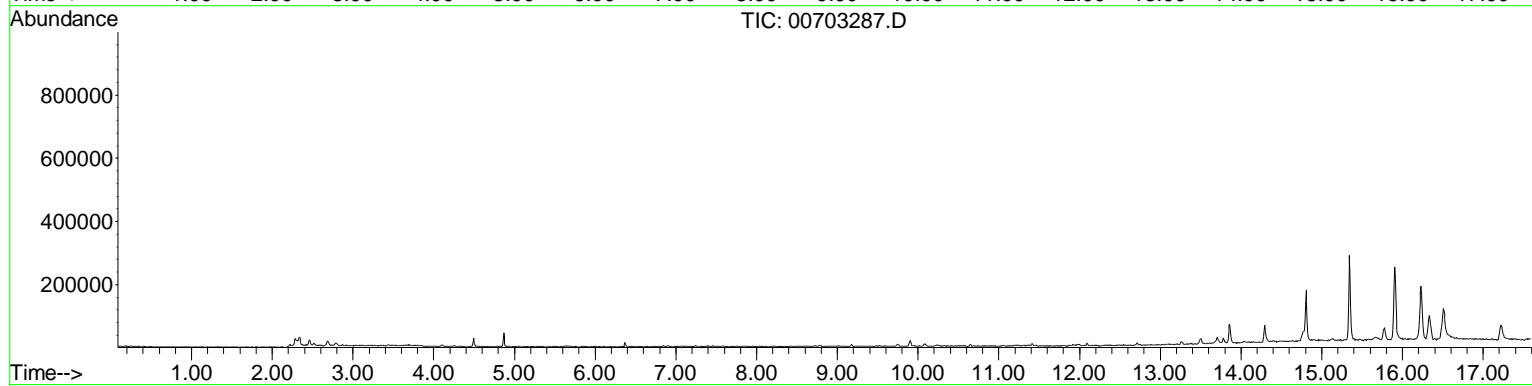
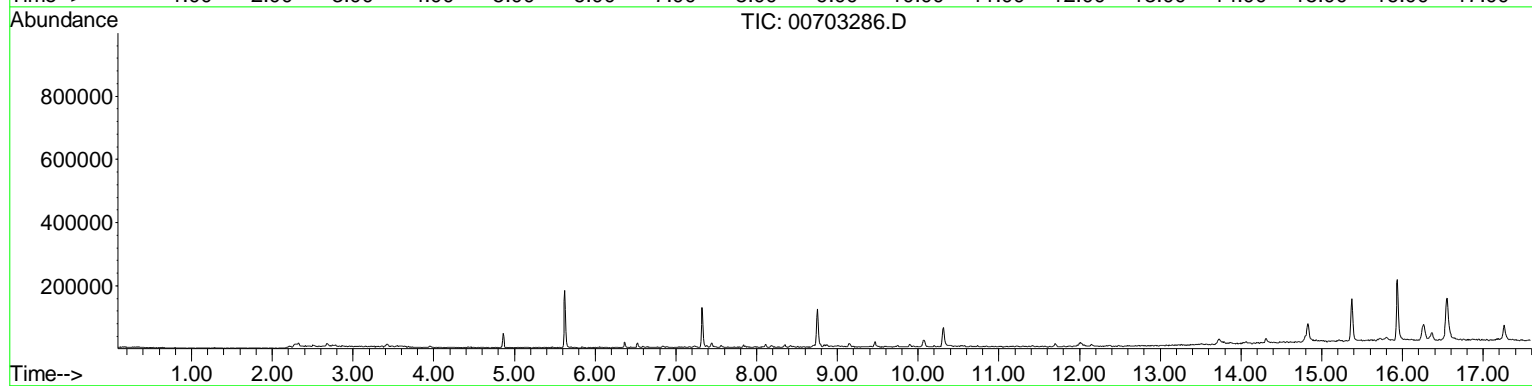
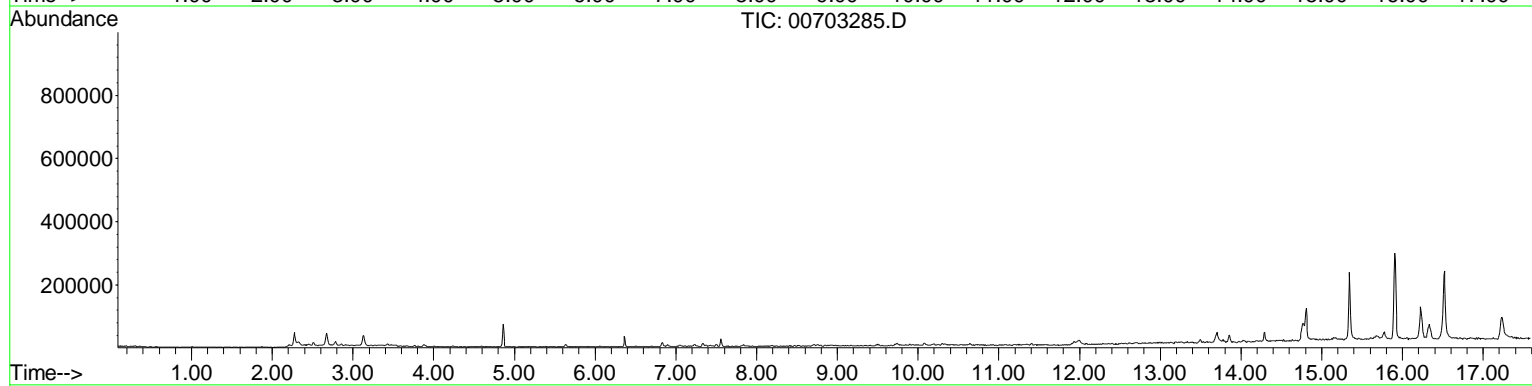
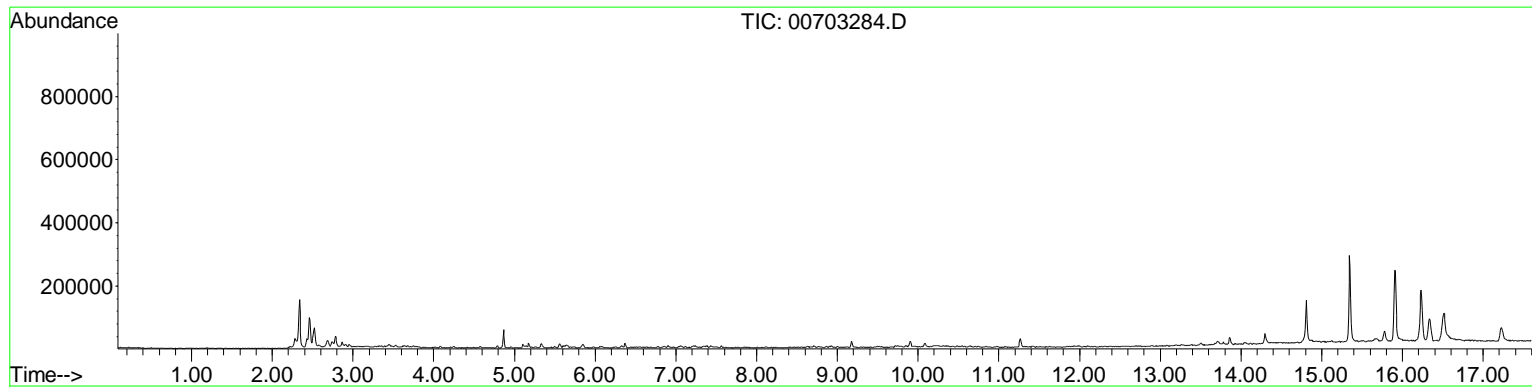
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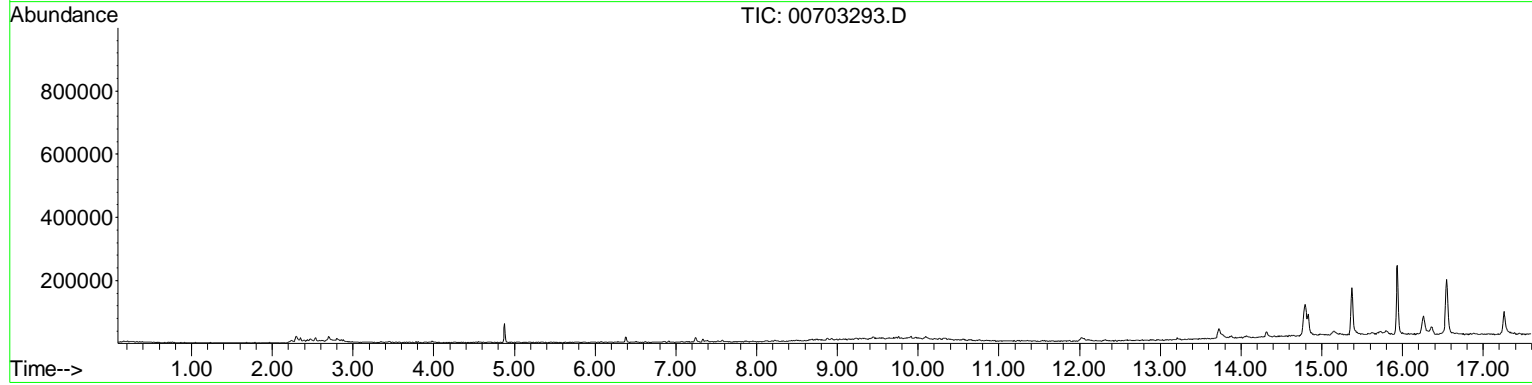
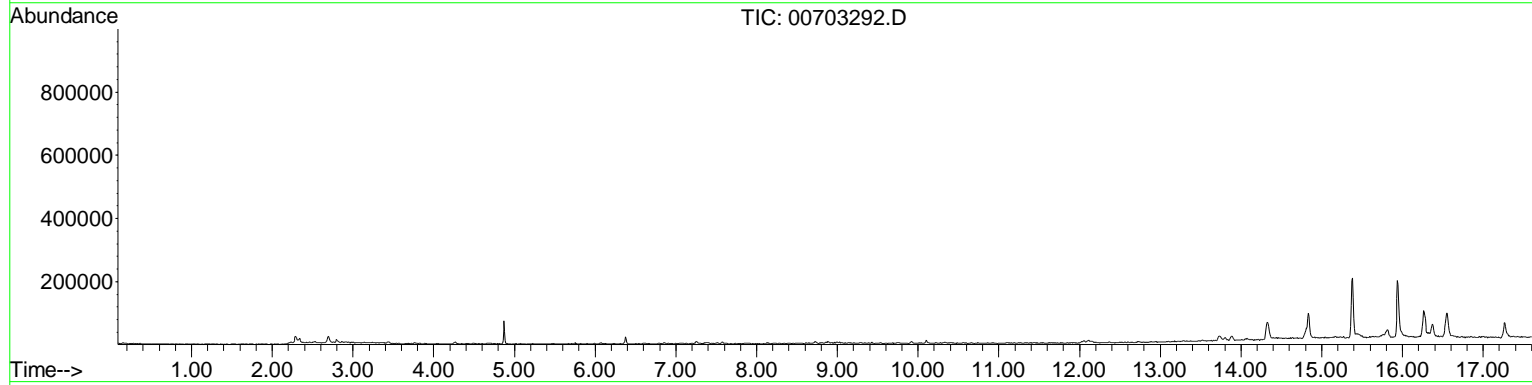
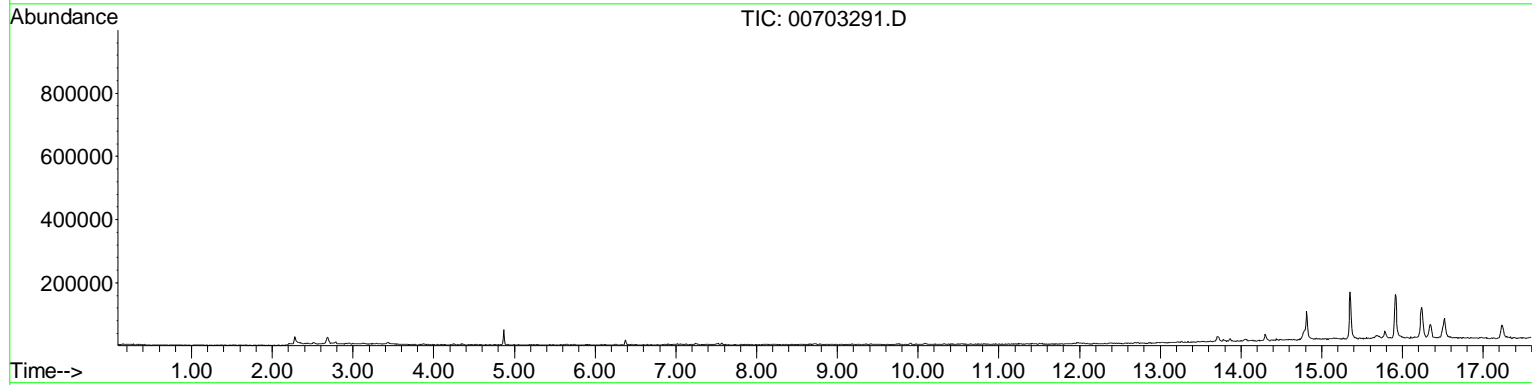
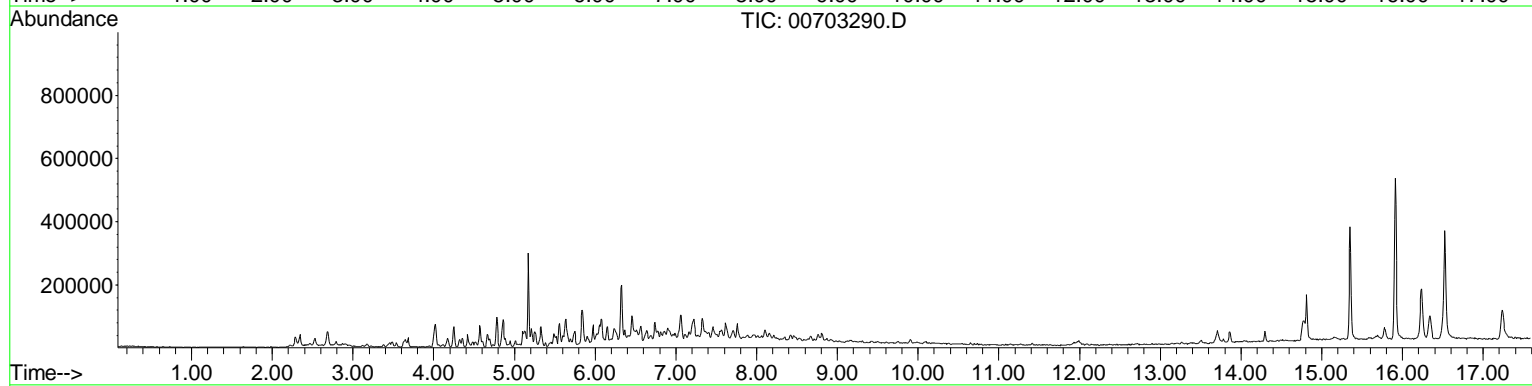
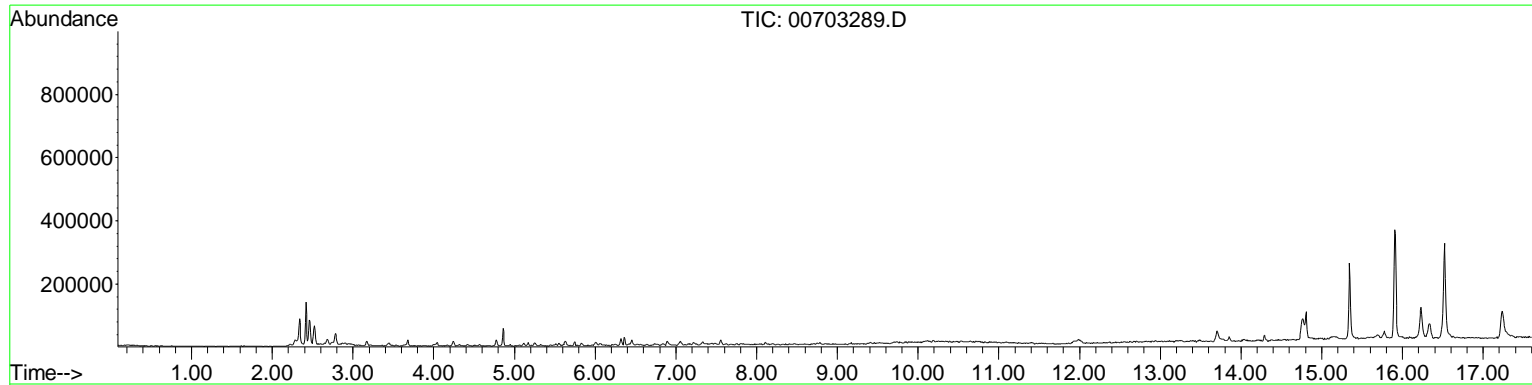
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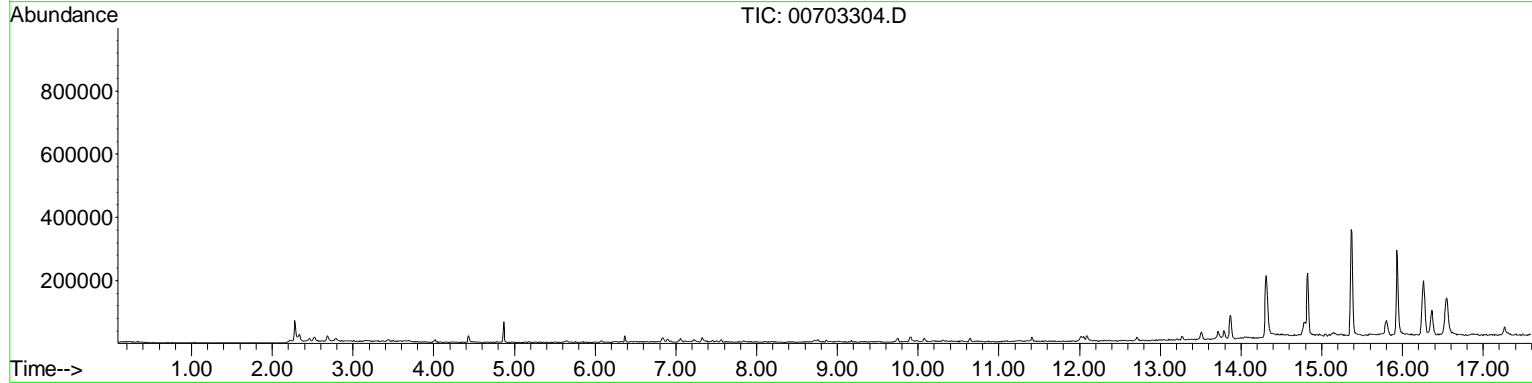
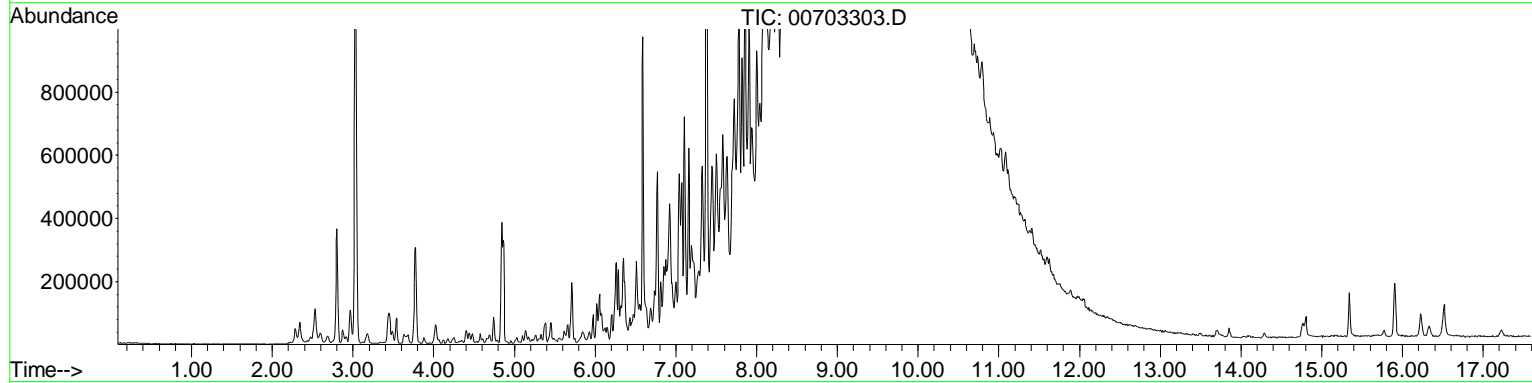
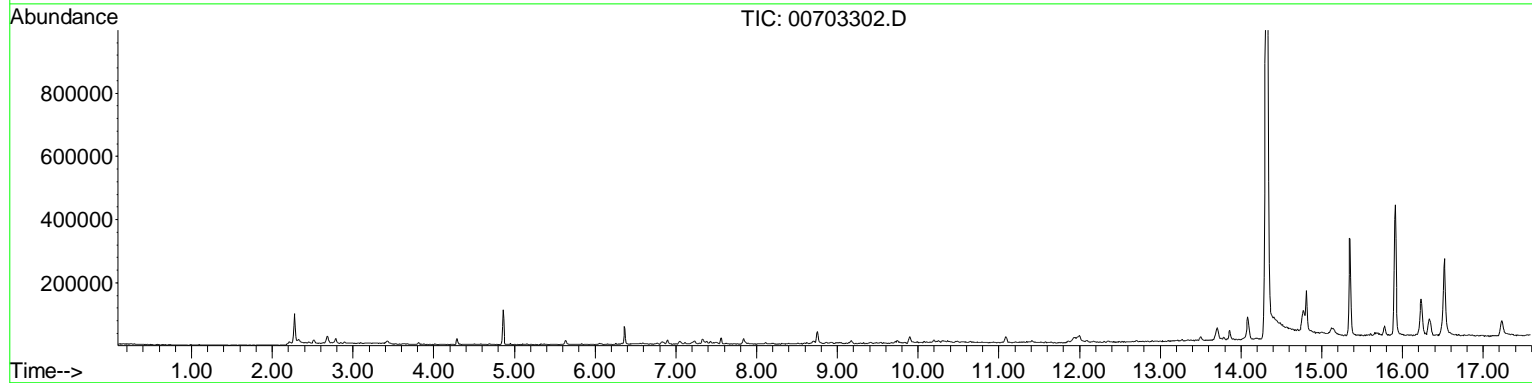
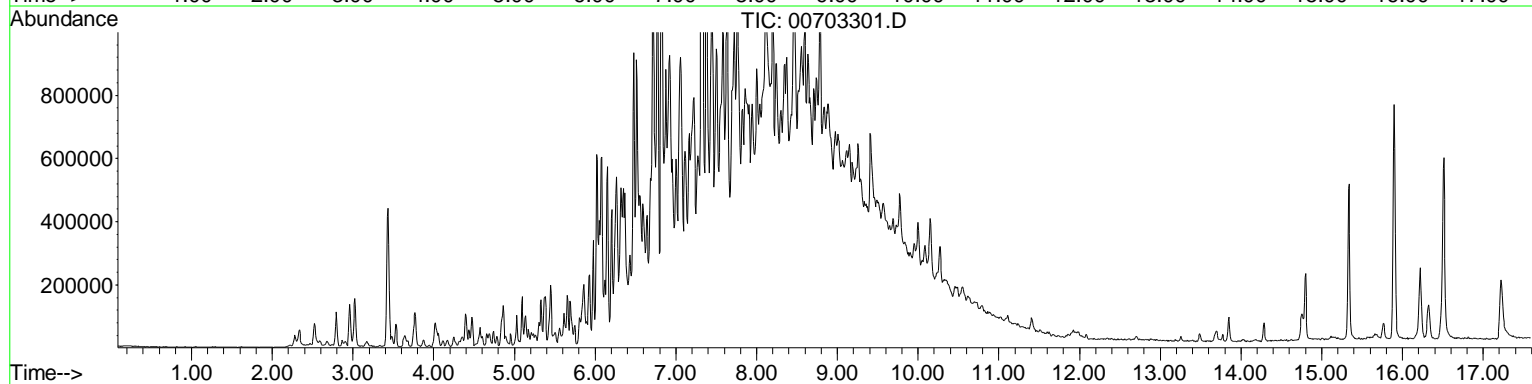
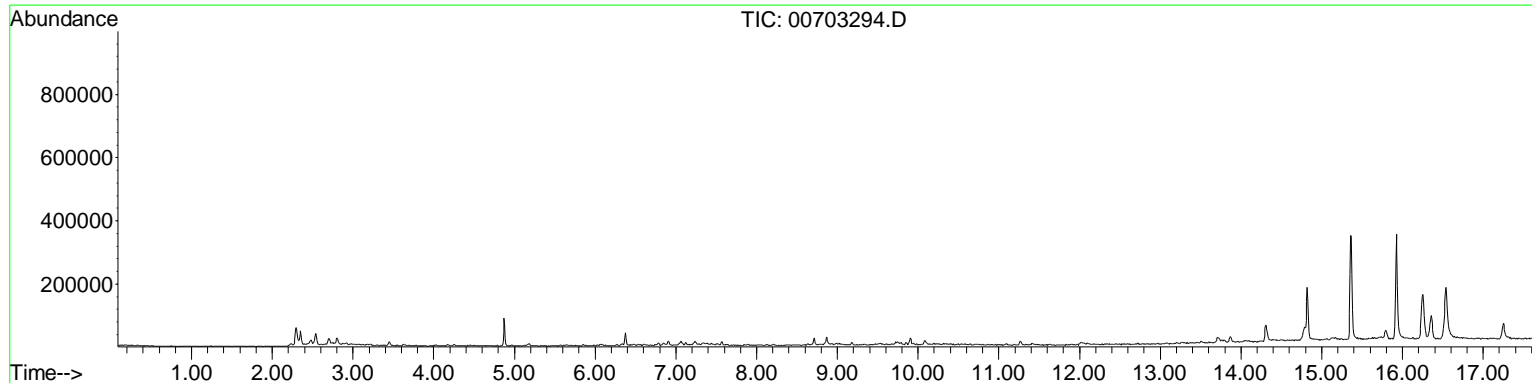
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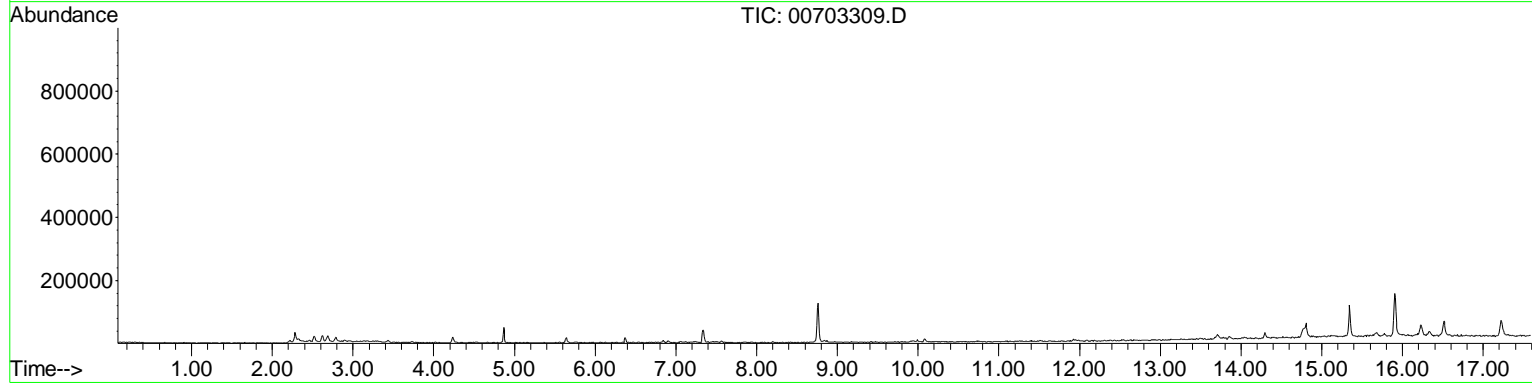
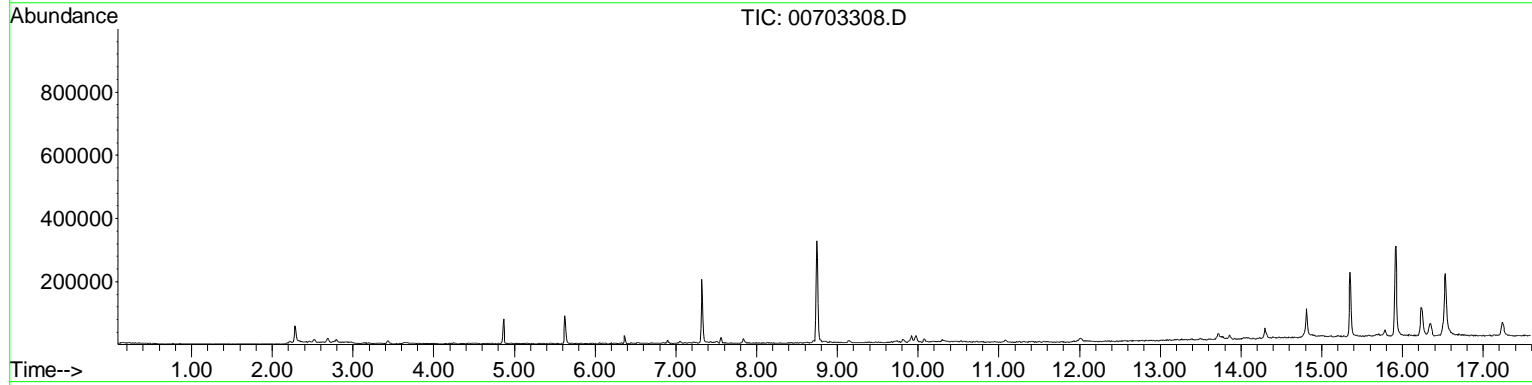
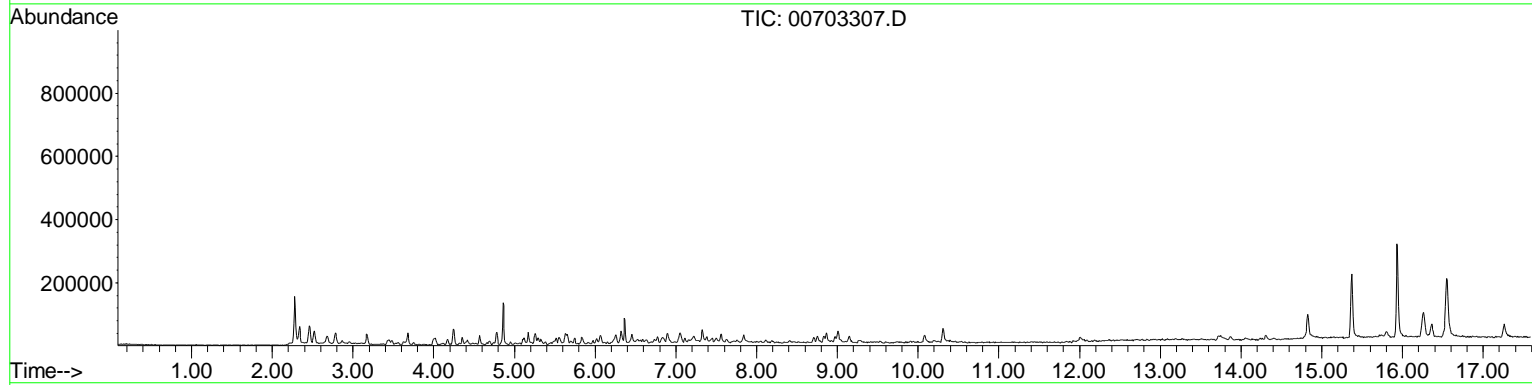
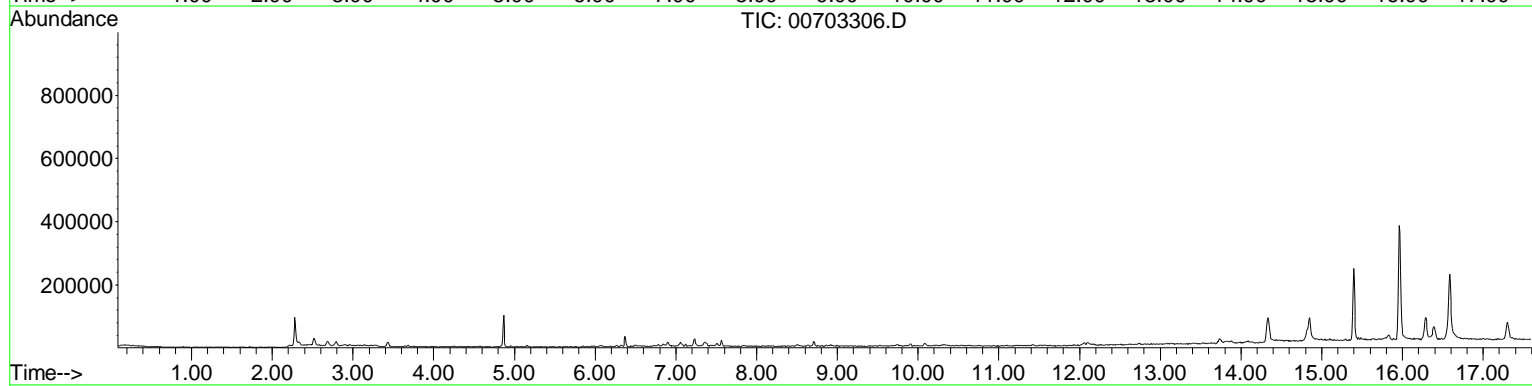
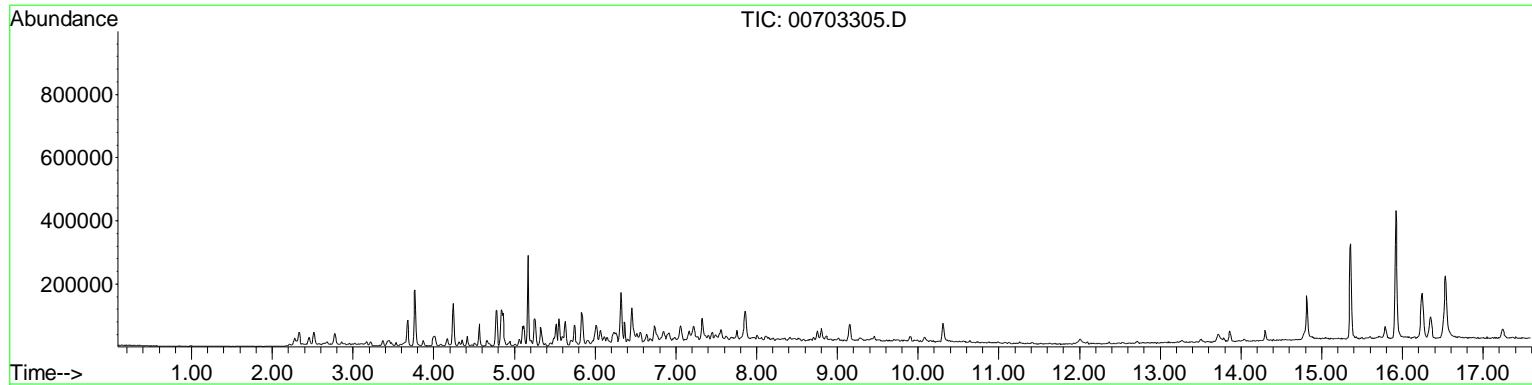
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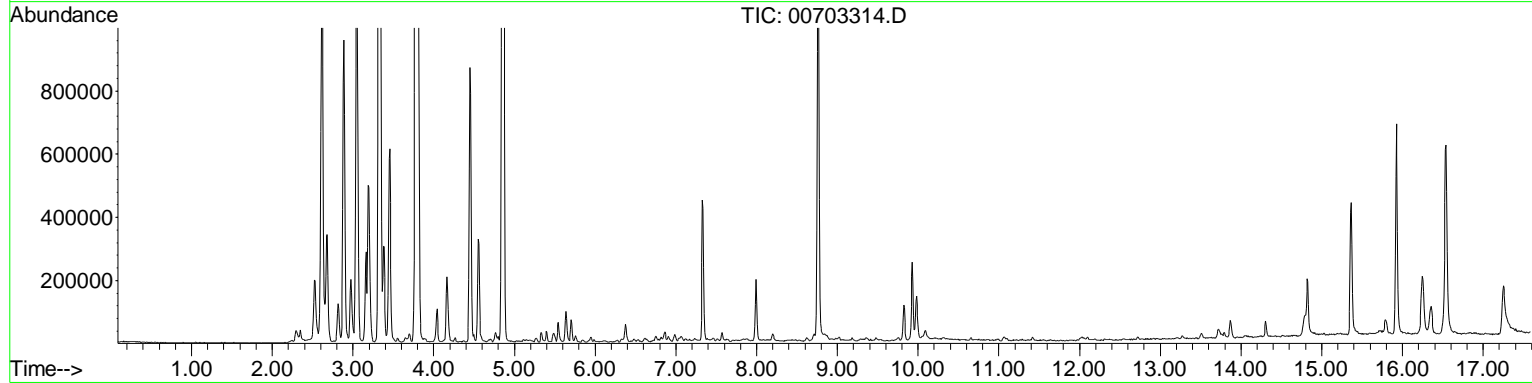
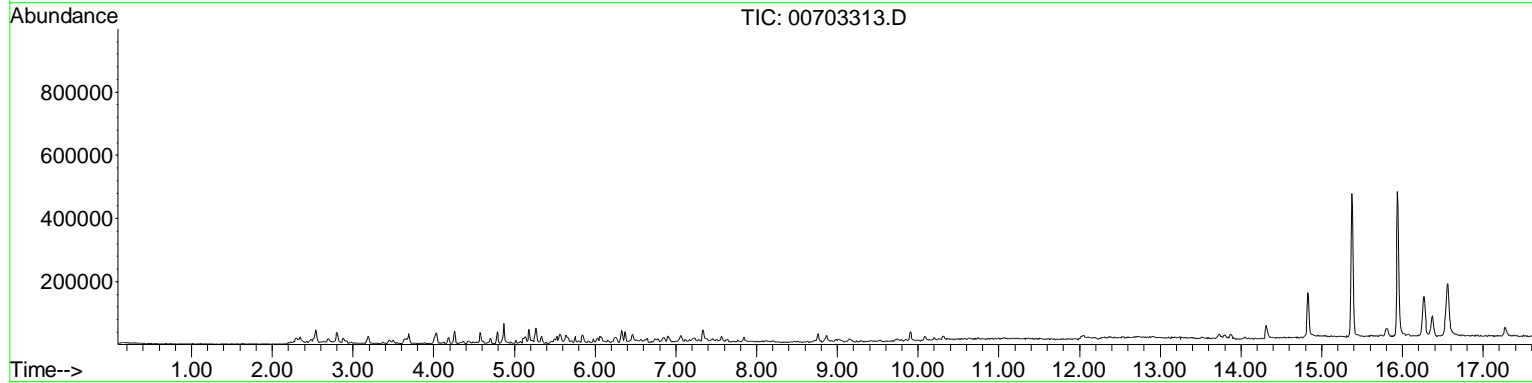
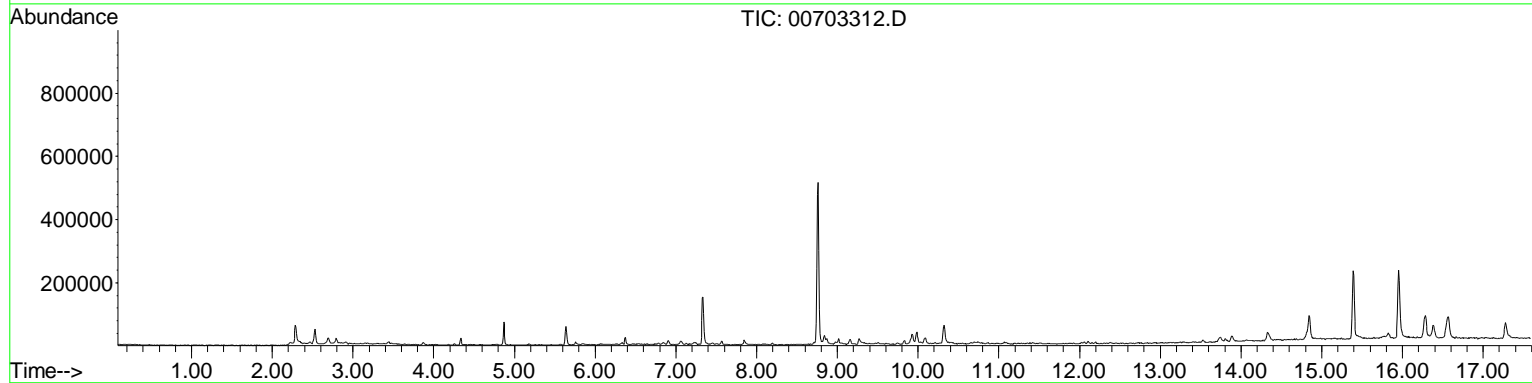
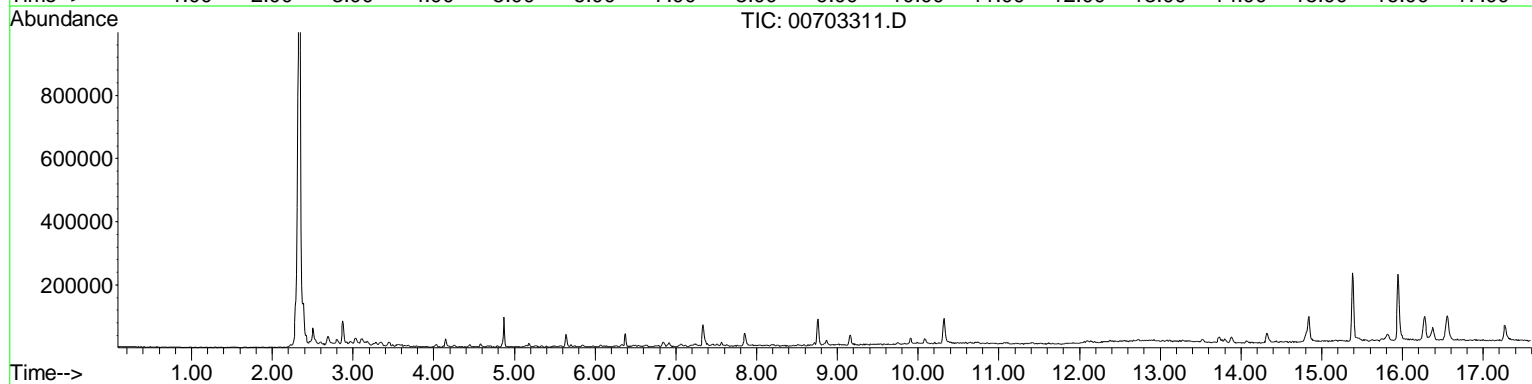
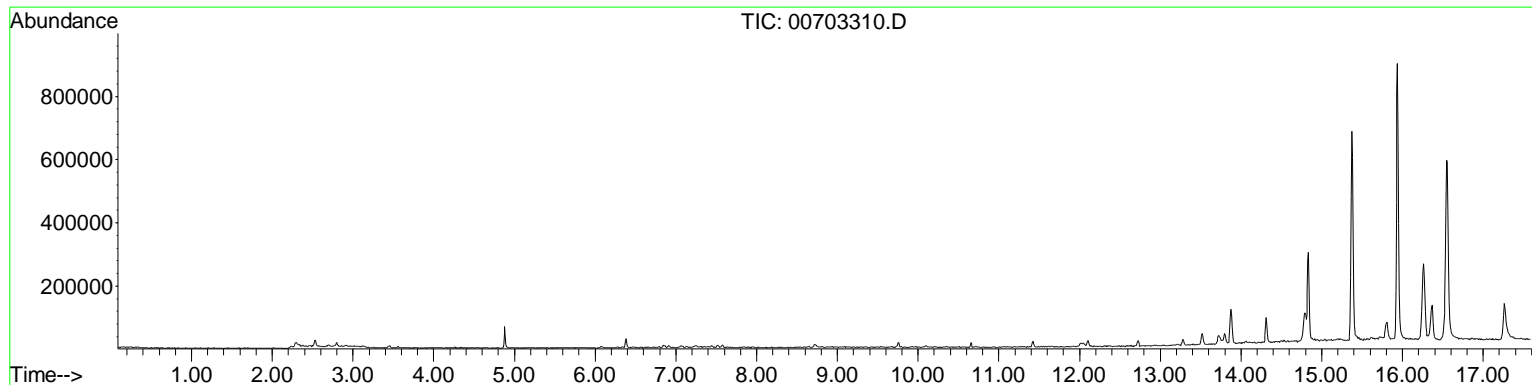
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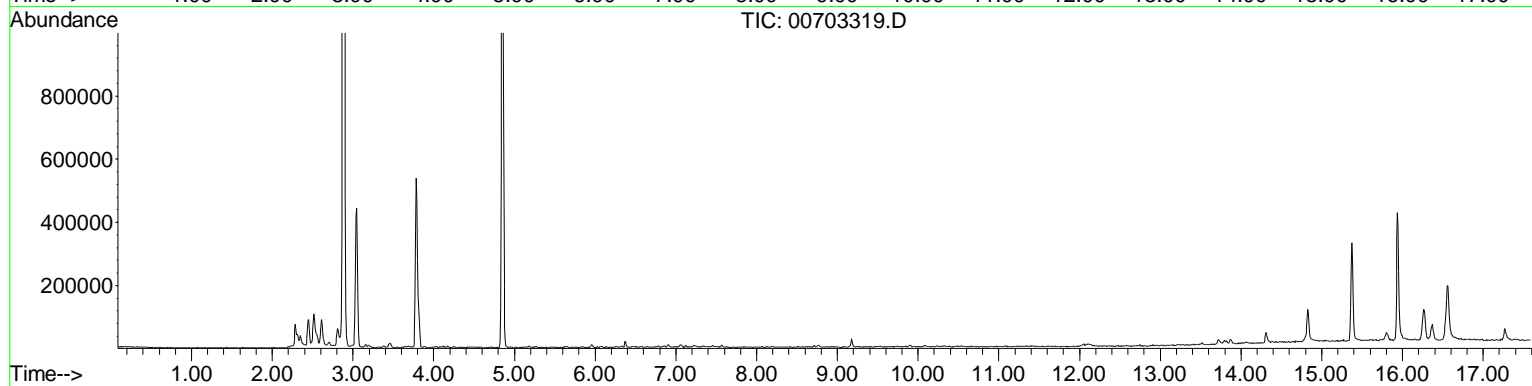
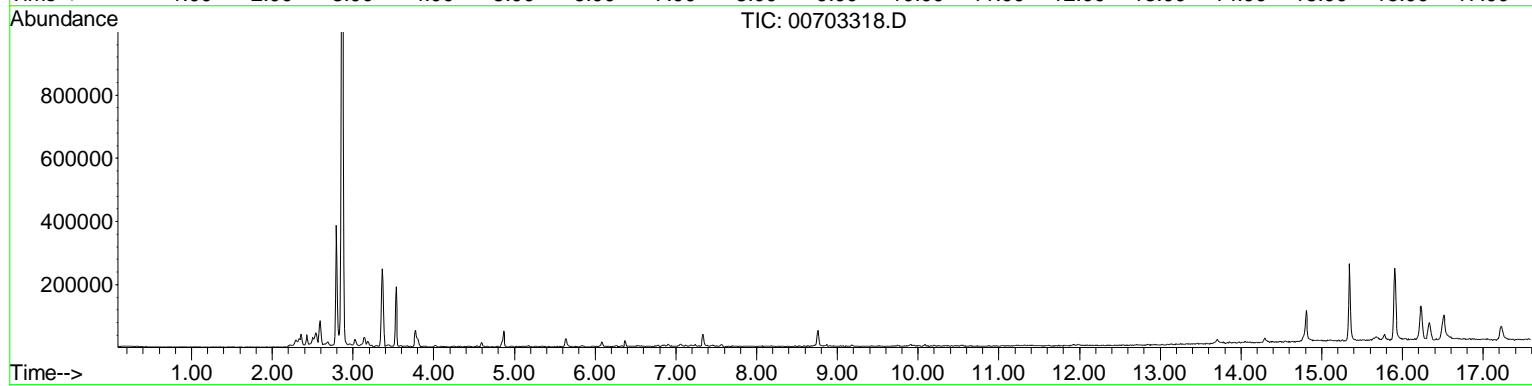
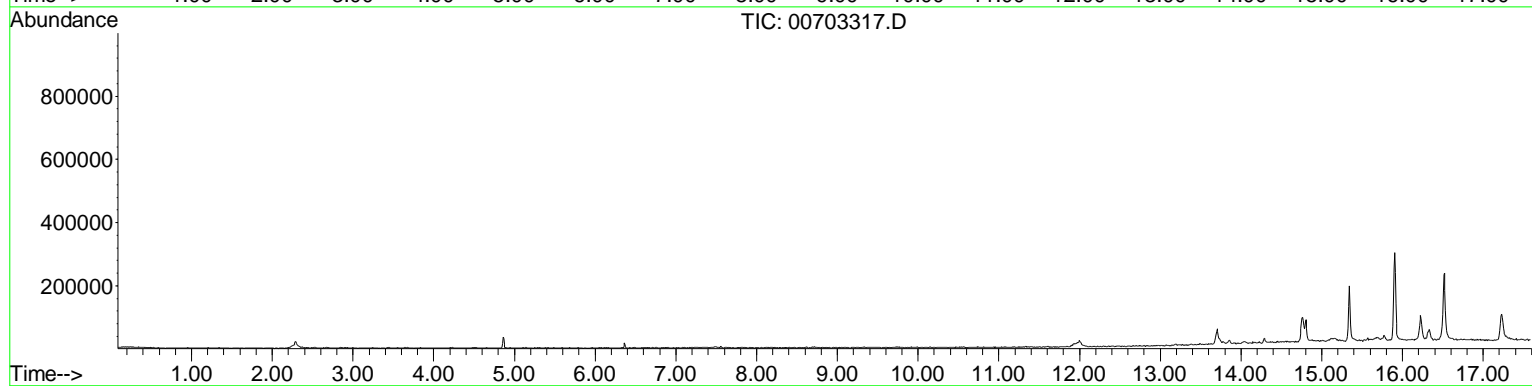
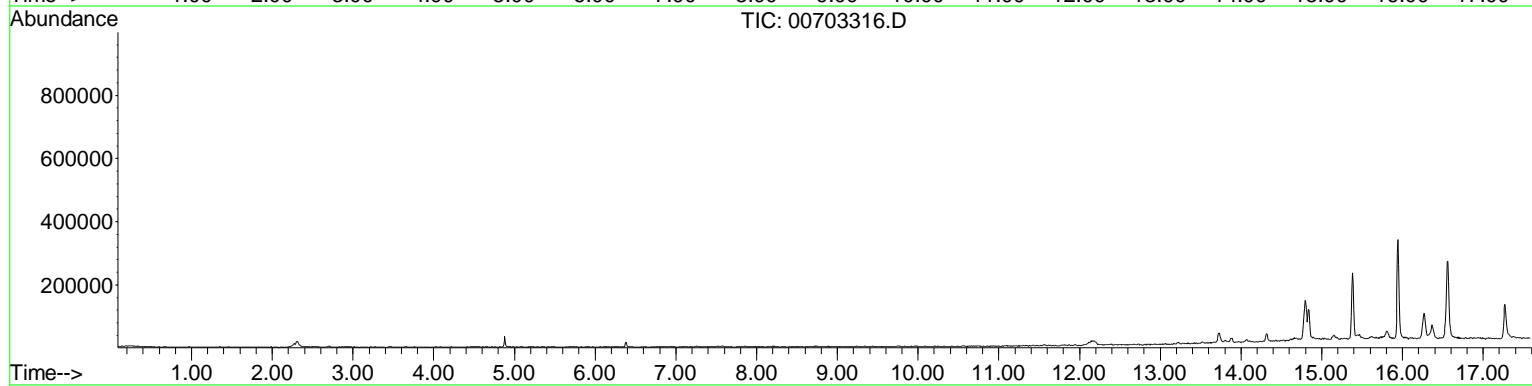
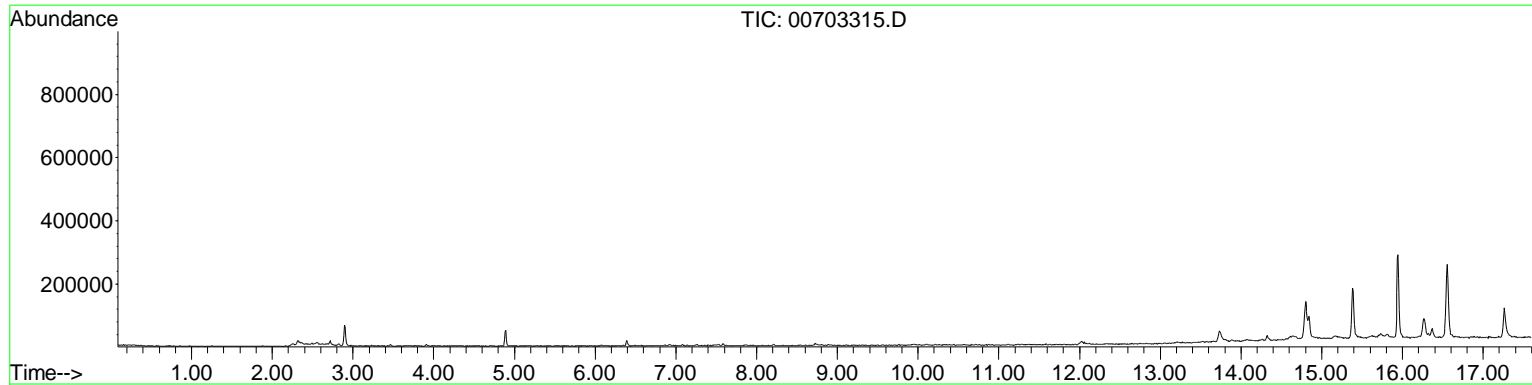
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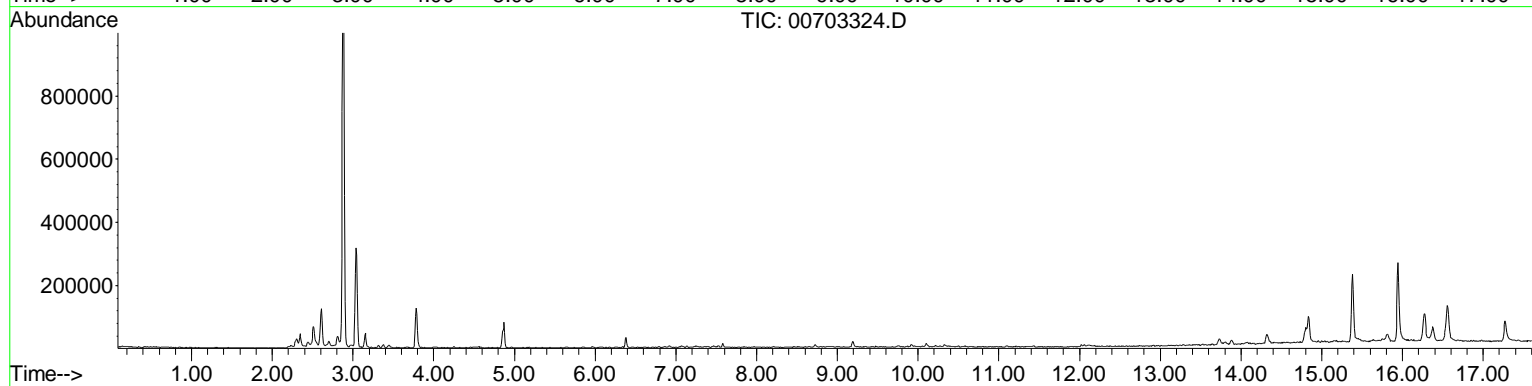
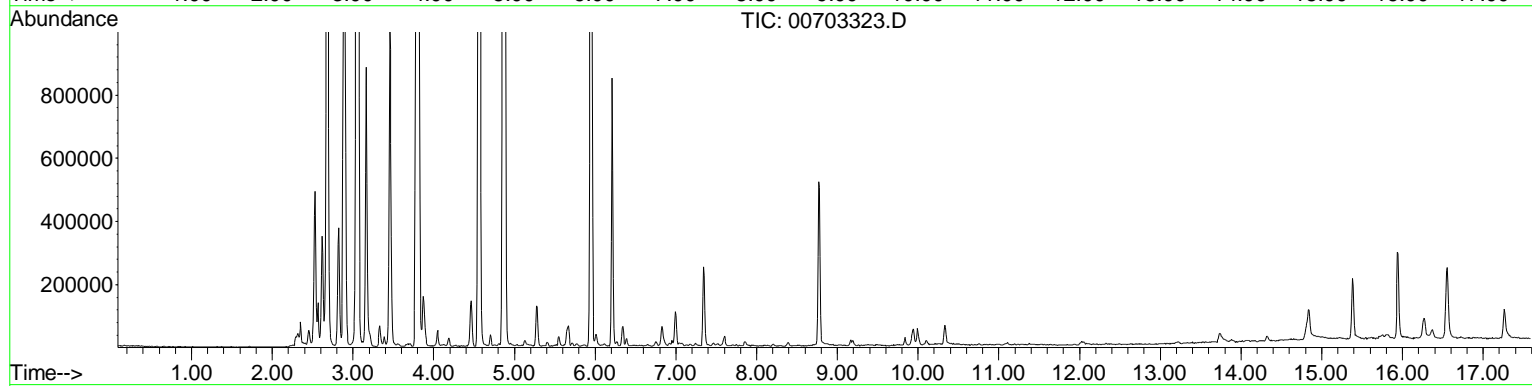
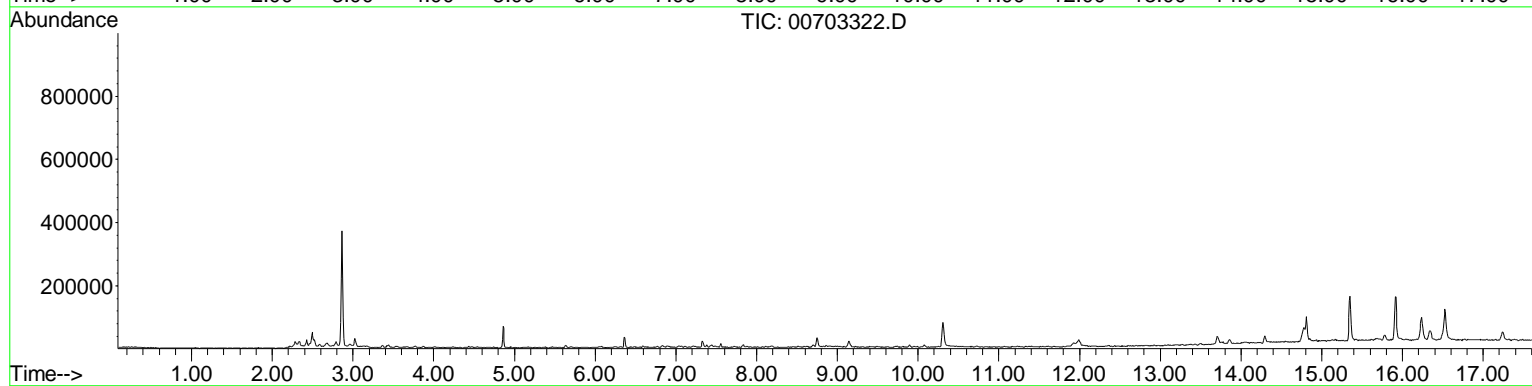
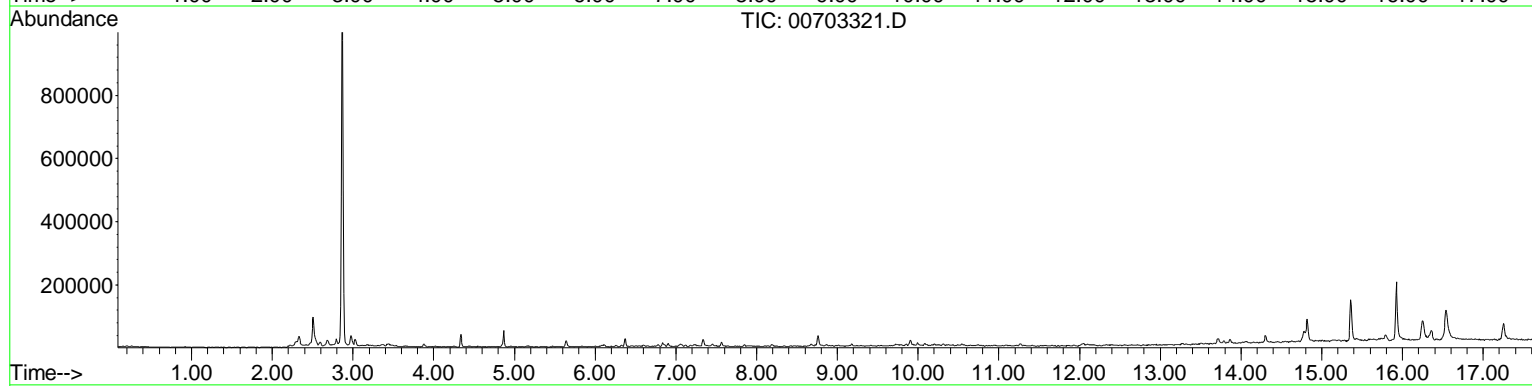
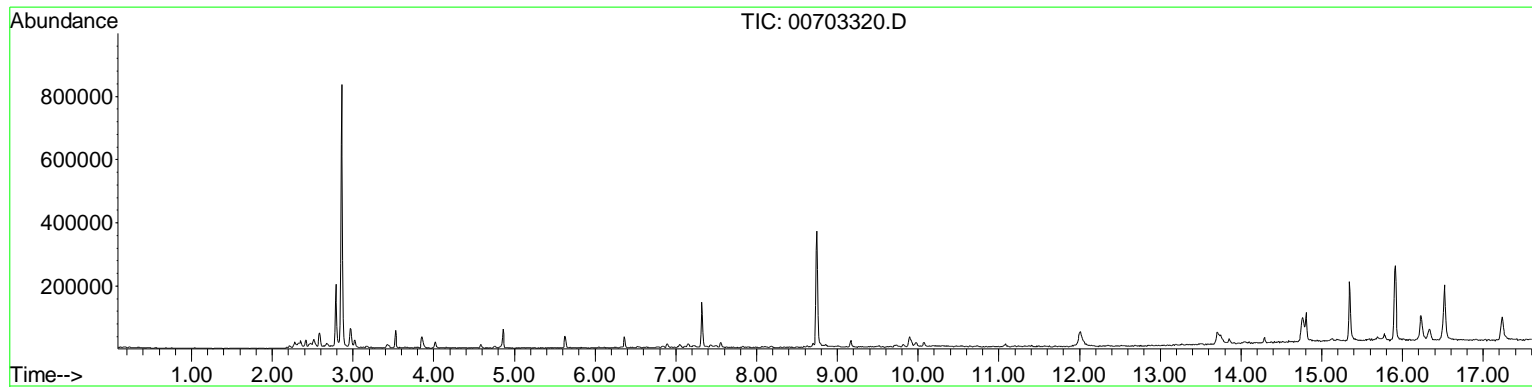
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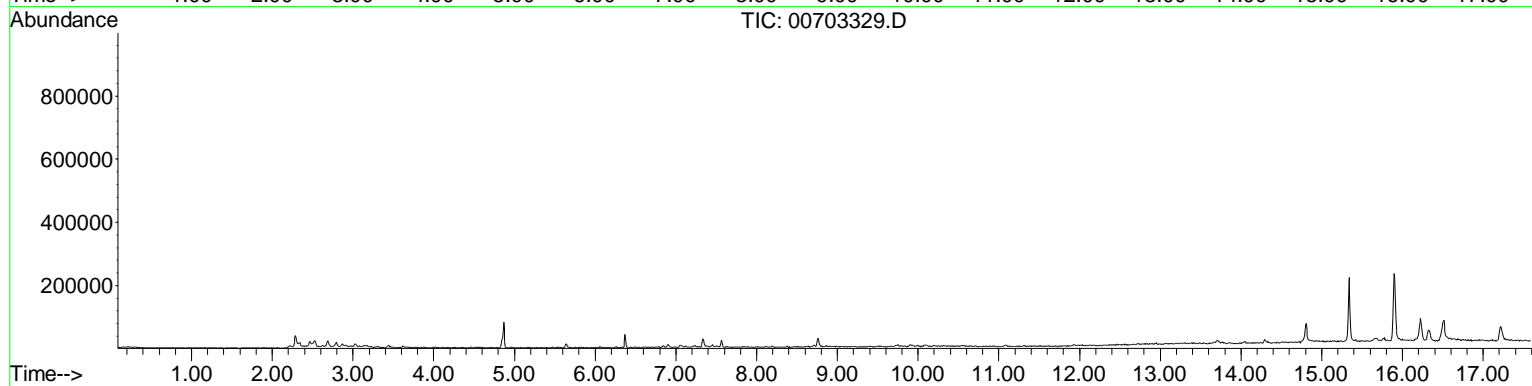
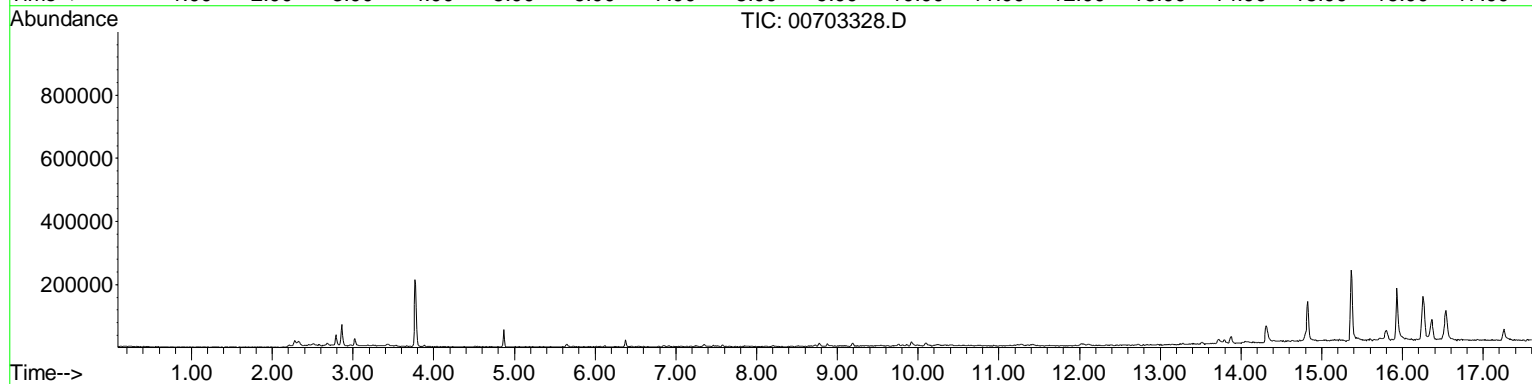
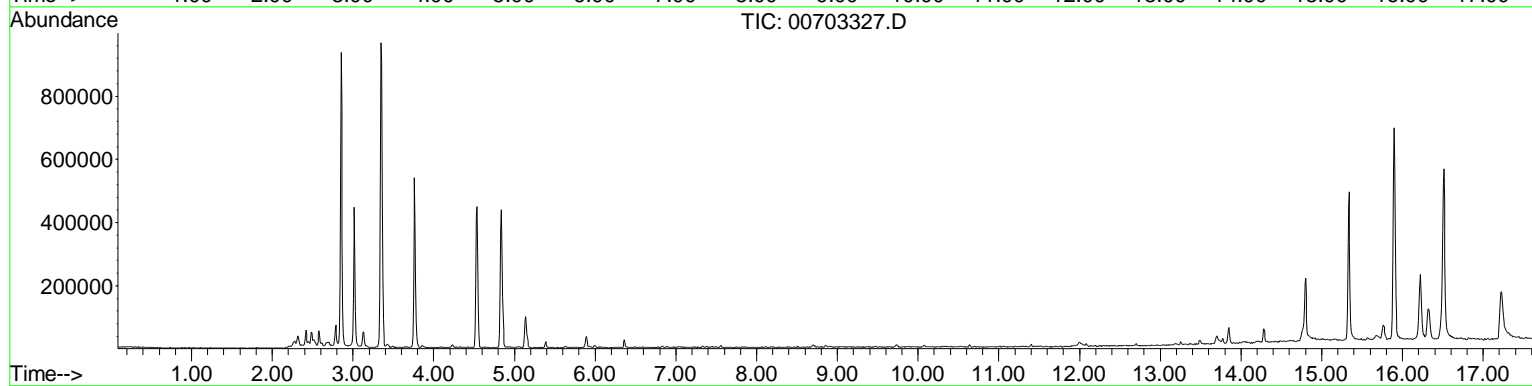
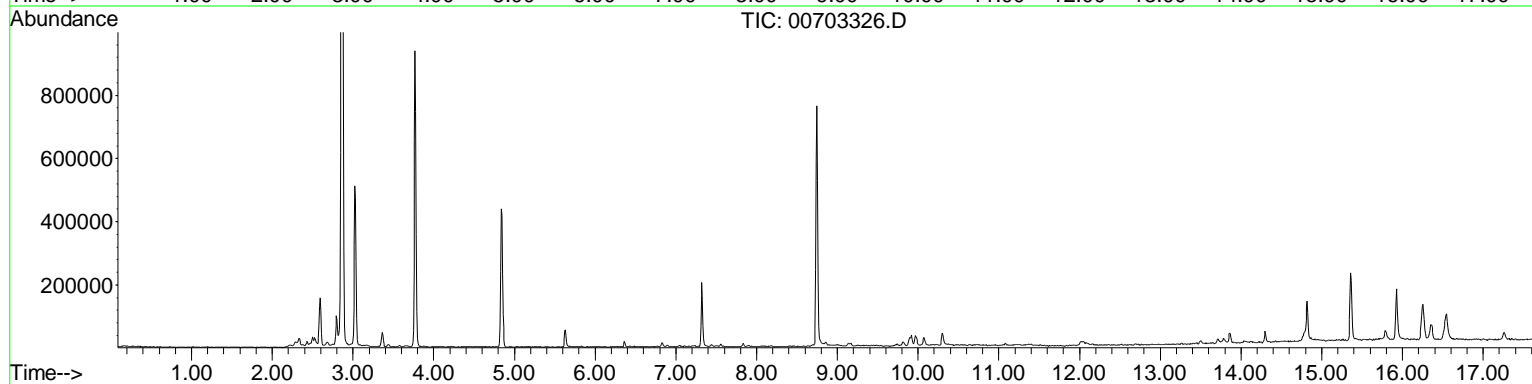
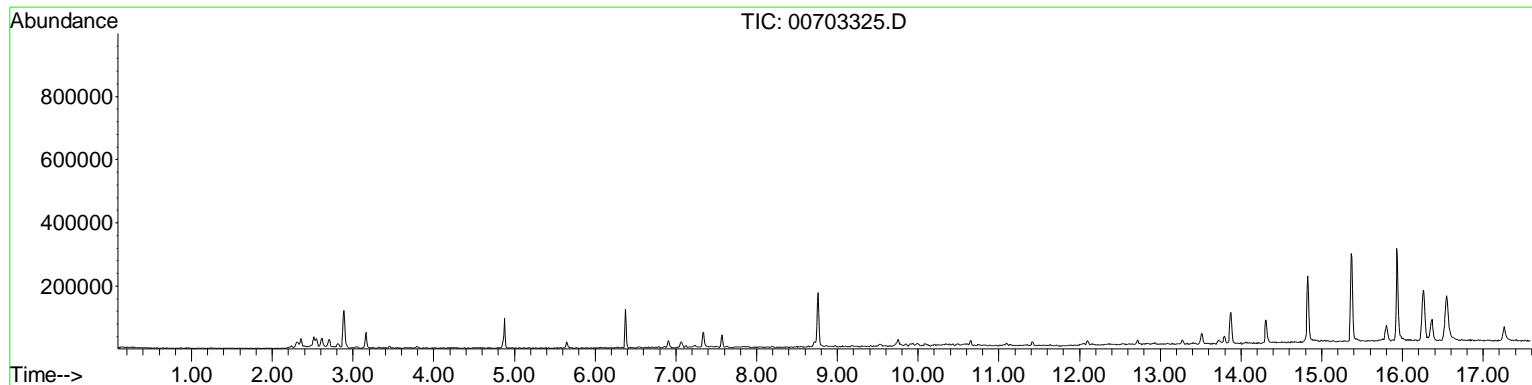
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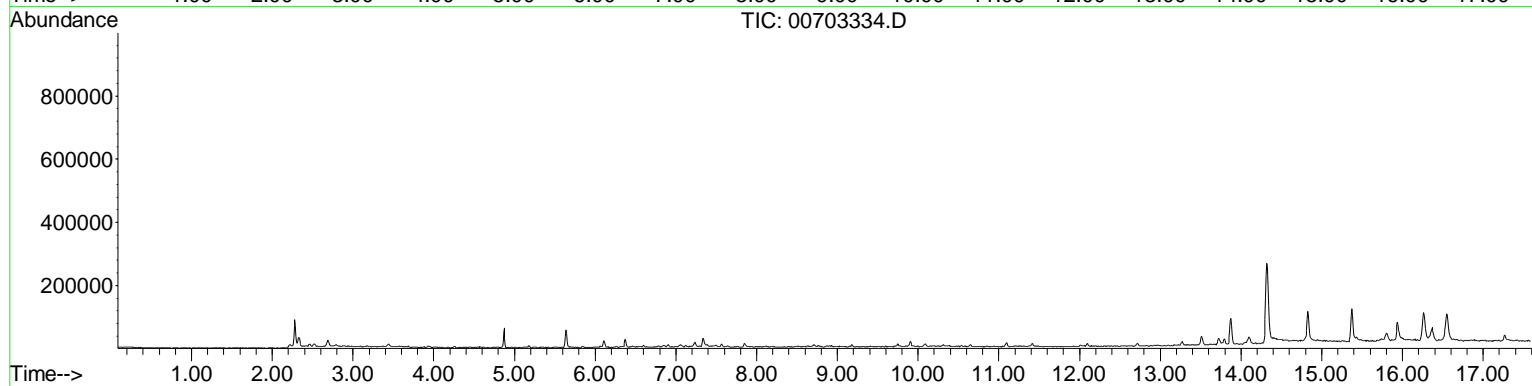
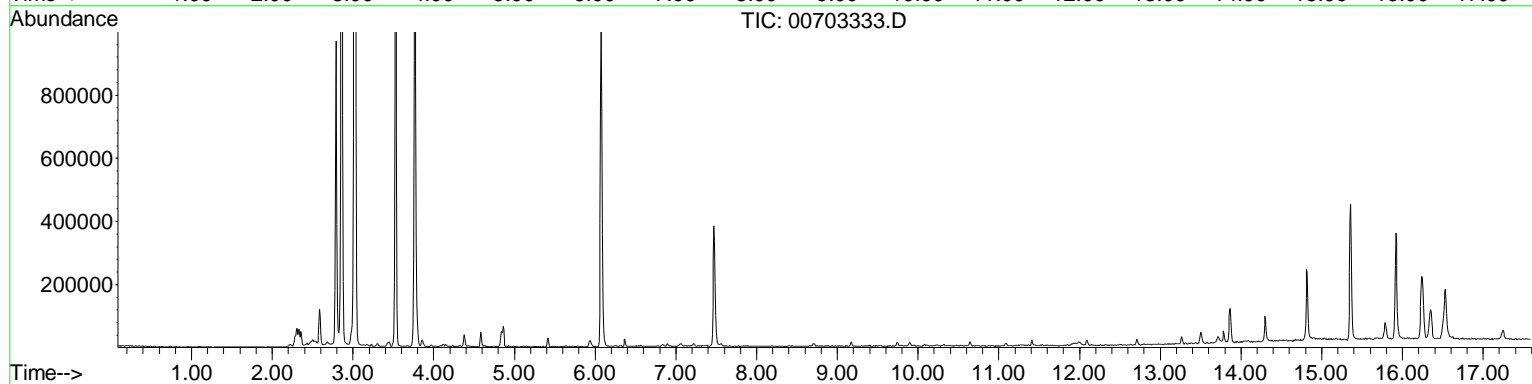
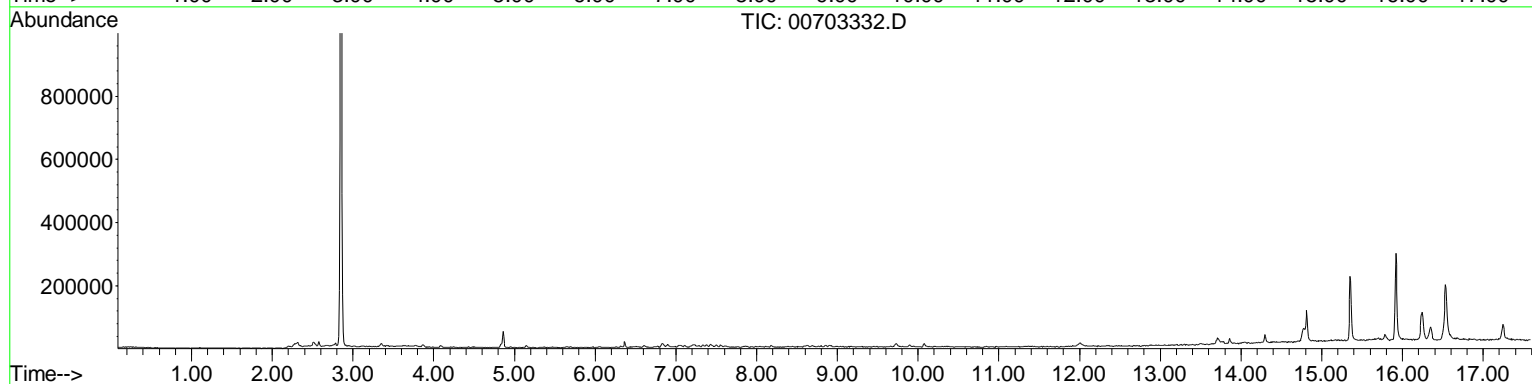
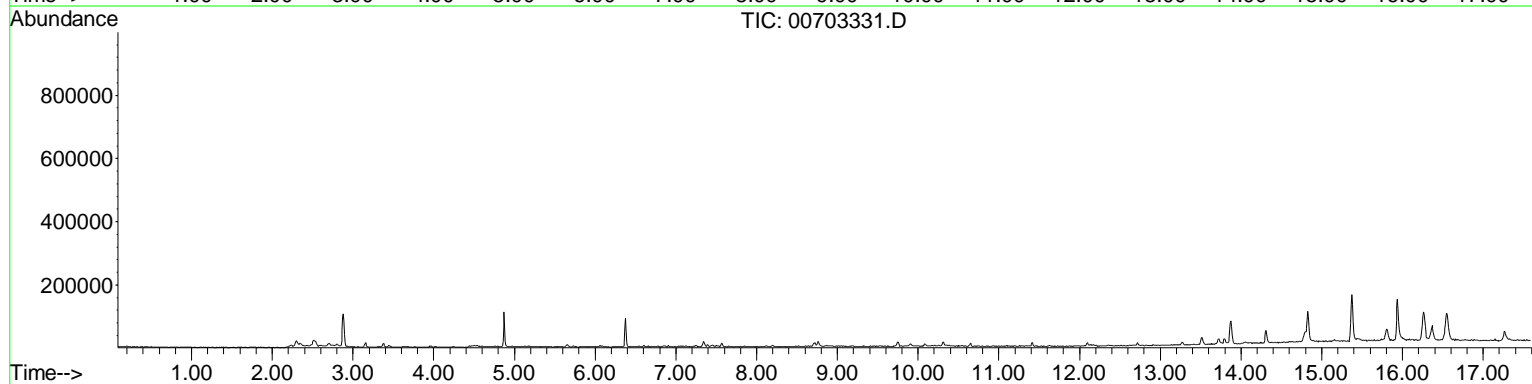
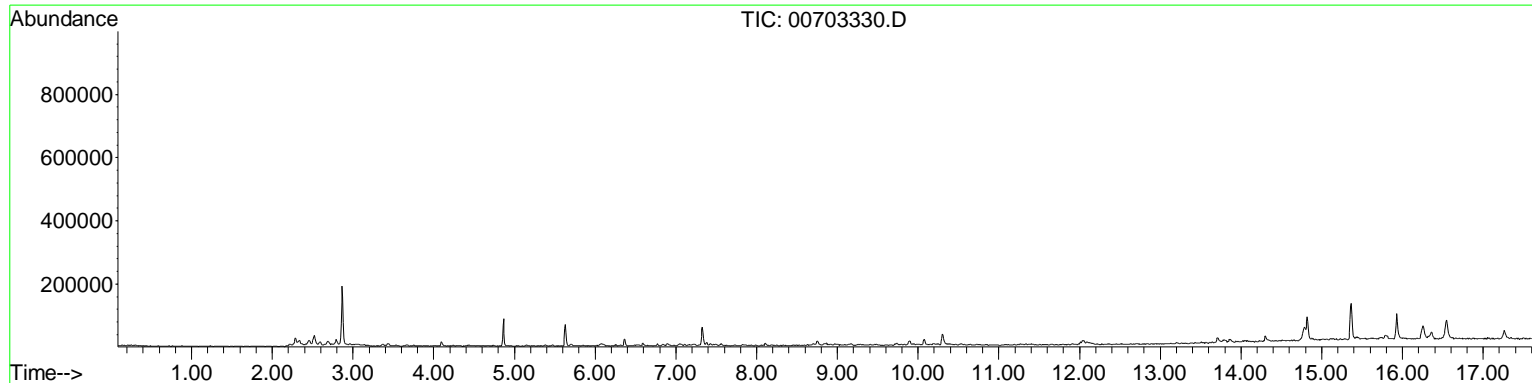
TICS - 22101016
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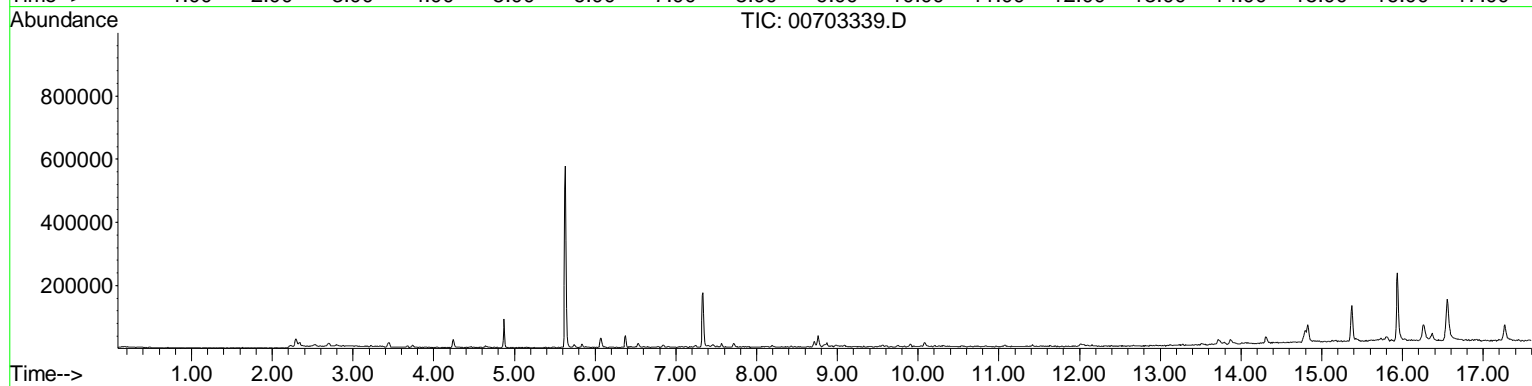
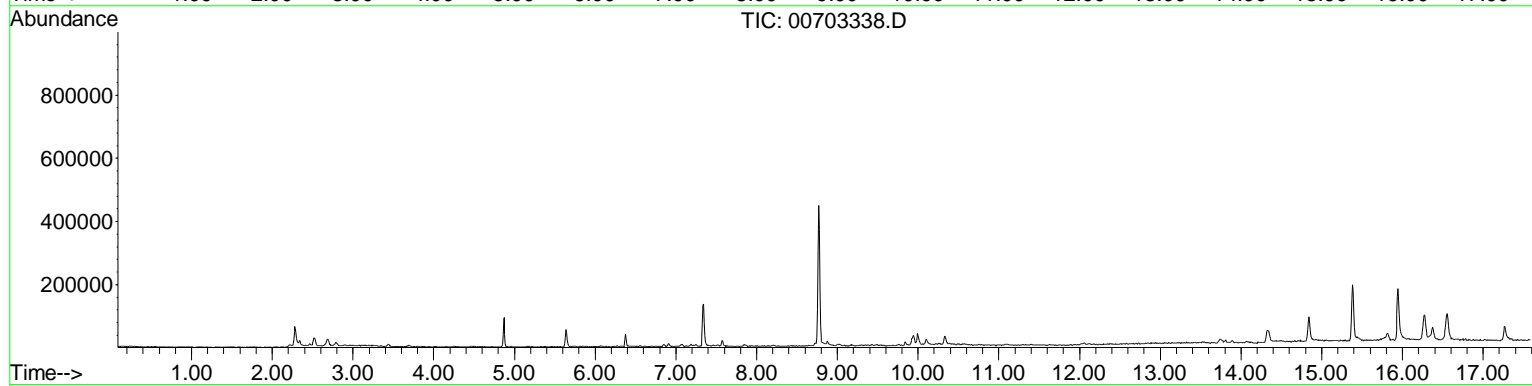
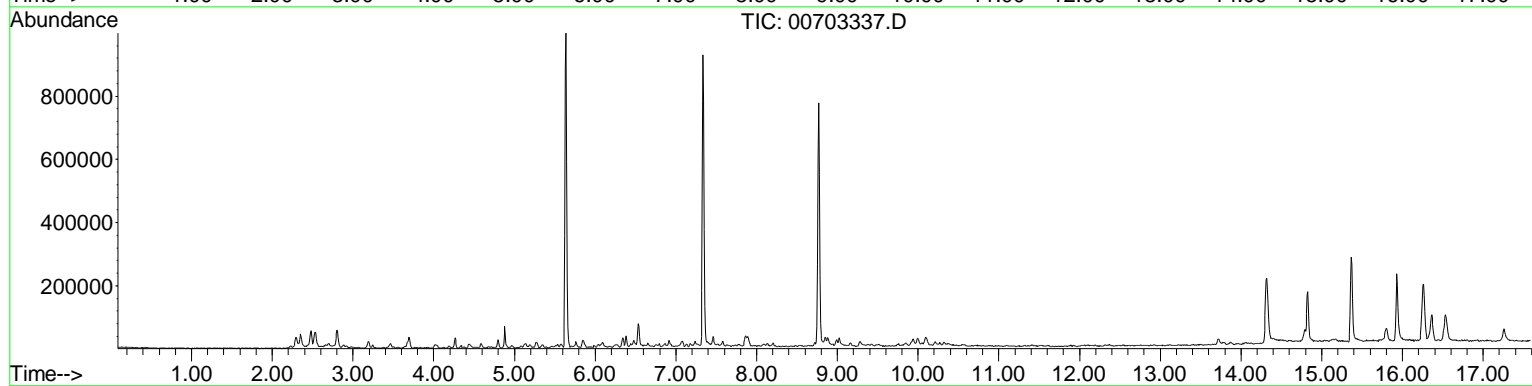
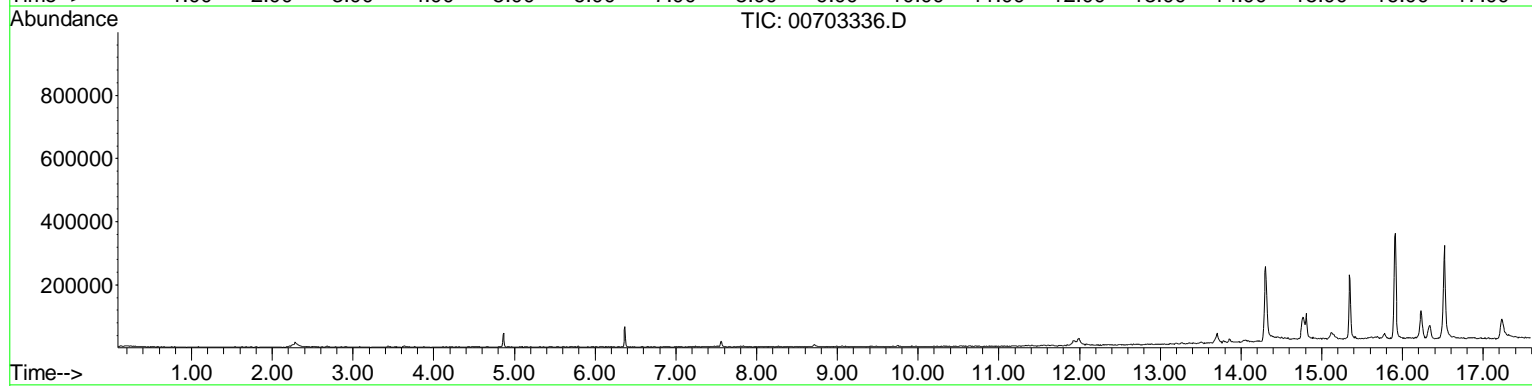
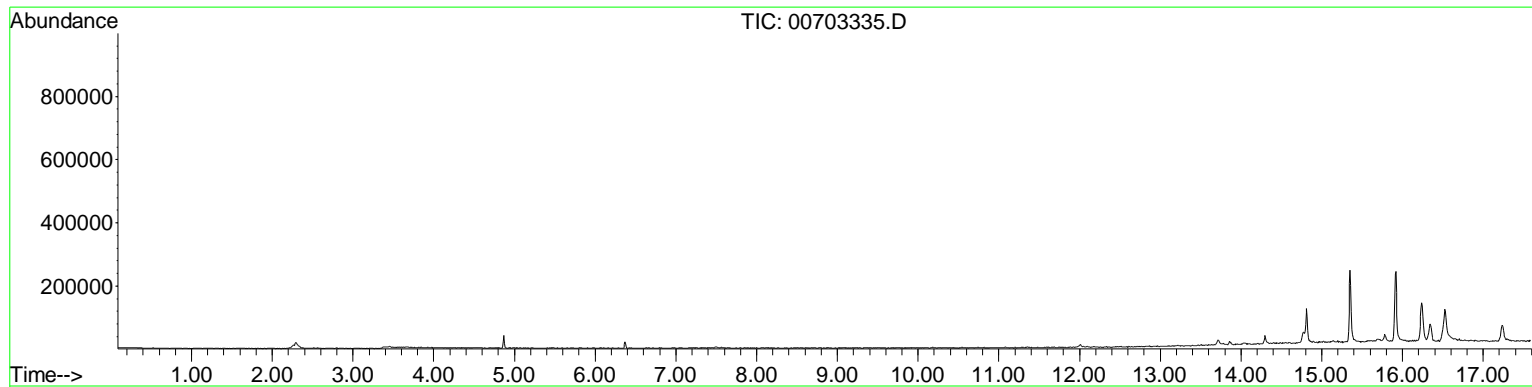
TICS - 22101016
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