Limited Phase II Property Assessment

Bexley- Ferndale Property
937 Ferndale Place
Bexley, Ohio 43209

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Date of Preparation:

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PANDEY
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1.0 INTRODUCTION

1.1 General

PANDEY Environmental, LLC (PANDEY) was authorized by its Client, the City of Bexley, to conduct a Limited Phase II Property Assessment for the property located at 937 Ferndale Place in Bexley, Ohio 43209 (parcel ID 020-004515-00, hereafter referred to as the subject property). The subject property consists of one (1) parcel totaling approximately 0.151 acres. The parcel is currently listed on Franklin County Auditor's webpage with ownership by Chou Kenneth Iao Cheong. The subject property is currently improved with one (1) structure, containing two separate living quarters. The property is zoned for residential use. This investigation is termed "limited" as this investigation is limited to the identification of the presence or absence of contamination in the soil at the subject property. This Phase II assessment does not serve to fully delineate the extent of vertical and horizontal contamination or to evaluate all potential exposures or potential receptors. The Phase II assessment instead, was conducted as an additional investigation to the *Limited Phase 2 Property Assessment* for a larger grouping of parcels, dated February 1, 2023, which includes the current subject property.

PANDEY personnel responsible for preparation of this report include Mr. Atul Pandey, P.E. and Mr. Dominic Ragusa, Environmental Scientist. Resumes of Mr. Pandey and Mr. Ragusa are presented in Appendix C of this report.

1.2 Purpose

This Limited Phase II Property Assessment was conducted subsequent to the completion of an Ohio EPA VAP Phase I Property Assessment Report (dated March 9, 2018) and a limited Phase II investigation (dated February 1, 2023) for nine (9) parcels located along Ferndale Place and Mayfield Place, immediately adjacent to and including the current subject property. A Sampling and Analysis Plan was prepared by PANDEY subsequent to reviewing the findings of the Phase I and Phase II reports prepared for the residential dwellings located adjacent to and including the subject property. Conclusions of the previous Phase I and Phase II reports of the sites located adjacent to and including

the subject property determined that the general area along Ferndale & Mayfield Place is the location of a former undocumented landfill.

1.3 Sampling Plan

The sampling plan called for the installation of six (6) soil borings across the subject property. Soil borings were to be installed to an approximate depth of ten (10) feet below ground surface (bgs) where previous detections of chemicals of concern (COC's) were noted, to further investigate the extent of contamination due to historic landfill/ dumping site use, and to investigate the presence of COCs concurrent with the 0-10' (bgs) Point of Compliance, as associated with the current Residential Land Use. Details regarding the location of the soil borings, are provided in Section 4.0 of this report. Soil sample analysis included Volatile Organic Compounds (VOCs), RCRA 8 Metals and Semi-Volatile Organic Compounds (SVOCs).

1.4 Numerical Standards

Numerical standards for this Phase II Property Assessment were obtained from Ohio EPA's Voluntary Action Program rules (VAP) in OAC 3745-300-08 effective June 5, 2023. In the event that numerical standards were not available in this rule, Ohio EPA VAP Program's Chemical Information Database and Applicable Regulatory Standards (CIDARS) database was consulted. A listing of numerical standards used can be found in Table 1. This listing also includes the source of the standard, and the date the standard went into effect. Because CIDARS databases are not dated, the date of download from Ohio EPA's website is listed as the standard date. Upon download of CIDARS information, numerical standards were compared to OAC 3745-300-08 as well as previous CIDARS downloads to ensure validity of any changes.

2.0 SITE BACKGROUND

The subject property is situated in a commercial and residential area located on the west side of Bexley, Ohio. Located at 937 Ferndale Place the subject property is comprised of one (1) parcel totaling approximately 0.151 acres. The subject property was developed for residential use and has served as the location of an apartment / duplex for approximately 60 years. According to historical documentation reviewed during a Phase I Property Assessment (dated March 9, 2018) prepared for adjacent parcels, and observations made during field activities, it appears that the subject property was the location of a former unlicensed landfill prior to being developed for residential use between 1957 and 1964. Owned by Chou Kenneth Iao Cheong, this property currently maintains a duplex dwelling.

The property consists of a duplex residence which is situated along the western side of Ferndale Place, just north of E Livingston Ave. The subject property contains a small driveway area for parking two (2) cars. Small grass yards surround the dwelling on all sides, followed by a similar residential dwelling adjacent to the north. The duplex dwelling sits two (2) stories in height and is identical in design / age to additional dwellings located along Ferndale Place. The building is in decent to slightly poor condition. Noticeable hairline cracks along the foundations are observed running across and up the dwelling. These cracks are considered indicative of the settlement within the historic landfill. The terrain surrounding the subject property is uneven and random, which indicates evidence of movement in the ground /foundation beneath the structures. Overhead powerlines and poles are located around the on-property structure. The overhead lines and poles were observed to be leaning at angles indicating subsurface movement in the area. Additional utility lines such as natural gas and water are located within the subsurface.

Alum Creek is located approximately 0.11 miles west of the subject property. Mayfield Place runs adjacent to the west of the subject property. Multi-family buildings are located along Mayfield Place adjacently west from the subject property and single-family homes are located adjacently east of the subject property along Sheridan Avenue. In close proximity to the north of the subject property is the Bexley Community Garden and Schneider Park (a community playground). Immediately south of the subject property are additional multi-family structures along Ferndale Place until it intersects with E. Livingston Avenue. Commercial sites line E. Livingston Avenue which is south of the subject

property. In close proximity to south of the subject property is Bexley Car Care, Making It Do, Inc. (auto repair), and Avenue Auto Repair.

PANDEY visited the site on January 22, 2024 to perform a site reconnaissance prior to beginning Phase II activities. The property consisted of one (1) duplex building. In the immediate vicinity of the subject property is additional multi-resident dwellings, all of which appear to be partially or fully occupied.

3.0 SAMPLING PROCEDURES

PANDEY conducted subsurface investigations in January 2024. These investigations were conducted to examine the subject property for the presence of a former undocumented landfill at the subject property.

The methods and procedures described in this section apply to the sampling and analysis of the soil media investigated by PANDEY during the course of this Phase II Property Assessment.

Laboratory Analytical Methods

VAP-certified laboratories are required to adhere to strict QA/QC procedures that have been predetermined and approved by Ohio EPA. The VAP certified laboratory ALS Environmental in Cincinnati, OH (CL # 0054) performed analysis using the following analytical methods:

- VOCs (Method 8260)
- SVOCs (Method 8270)
- RCRA 8 Metals (Method 6010/7471)

The laboratory data, affidavits, case narrative, and chain of custody forms are provided in Appendix A of this report.

The Quality Assurance (QA) and Quality Control (QC) specifications for the subject property are outlined herein. These specifications describe the QA/QC requirement set up for collecting and analyzing samples for chemical analyses. The QA/QC procedures were used to assess the accuracy, precision, completeness, representativeness, and comparability of the analytical data.

Field Sampling and Analysis Program

The field team conducting the assessment adhered to the field sampling and analysis program detailed below. It included specific requirements outlining the procedures to be followed in relation to sample handling, packaging, and shipping. It also set guidelines for field documentation procedures.

Sample Handling, Packaging, and Shipping Requirements

Upon collection, samples were placed into their appropriate sample containers. The exteriors of the sample containers were wiped clean and affixed with the proper labeling. Samples collected at the site were uniquely labeled with an alphanumeric sample identifier. Sample label information was completed using waterproof black ink. The labels contained such information as:

- Sample identification based on the sampling location;
- Time and date of collection; and,
- Parameters to be analyzed;

The samples were packaged, put on ice in a cooler and then sealed and shipped to the ALS Environmental Cincinnati, OH laboratory. Chain of custody documentation accompanied the samples submitted to the lab.

Field Documentation Procedures

The field team was required to maintain a field notebook. The field notebook was used to collect information on site conditions, personnel at the site, and other pertinent information. Drilling and lithological information was recorded on log forms. These forms are presented in Appendix B of this report.

3.1 January 2024 Investigation

During the January 2024 investigation, the on-site dwelling was occupied by residents in the space located within the second floor. The dwelling on the subject property included slab-on-grade construction. Cracks were observed in a few areas throughout the exterior of the dwelling. However,

no large penetrations of the concrete floor were observed. Windows on the inside of the residential building were closed. All exterior portions of the subject property were clear from debris, and marked appropriately with utility locating flags/ marker paint.

3.1.1 Soil Investigation

A subsurface investigation was conducted on January 24, 2024 with the advancement of six (6) soil bores (labeled 937 Ferndale-SB-1, 937 Ferndale-SB-2, 937 Ferndale-SB-3, 937 Ferndale-SB-4, 937 Ferndale-SB-5, 937 Ferndale-SB-6) at the subject property. A total of one (1) soil sample was collected from each installed soil boring.

The procedures for the sampling of soil borings listed above during this investigation are discussed below. Soil samples were analyzed by ALS Environmental, an Ohio EPA VAP certified laboratory. Analytical data and chain of custodies are provided in Appendix A of this report. Analytical data is summarized in Table 1 and locations of the soil bores are shown in Figures 2, 3.1 and 3.2 of this report.

Soil sampling was conducted using an AMS Powerprobe 9410 direct push drilling rig with four (4) foot long continuous dual-tube sampling. The dual-tubes are disposable acetate sleeve liners.

Soil samples were collected in two (2) foot intervals and logged with respect to soil classification, color, moisture, and odor to depths ranging from zero (0) to ten (10) feet below ground surface (bgs). Soil samples were selected for laboratory analysis based on a hierarchy of field observations. The highest readings recorded during soil screening from a Mini-RAE Photo-ionization Detector (PID) were noted; if all PID results were close to background or equal then visual observations and/or olfactory indications of contamination were used to select the soil samples for analysis. If no visual observations of contamination were observed, then varying depth intervals (i.e. 2'-4', 4'-6' and 8'-10') were chosen within each area in order to obtain a representative soil analysis from each interval of the soil strata. Thus, by collecting a soil analysis from varying intervals, the entire soil strata of an area could be representatively analyzed for chemicals of concern.

Soil samples collected for laboratory analysis were placed in 4 oz. glass soil jars with Teflon lids and placed in an iced cooler. Samples selected for appropriate laboratory analysis were shipped to ALS Environmental, an Ohio EPA VAP certified laboratory (CL# 0054). Laboratory chain of custody documentation and analytical results are included in Appendix A of this report.

Boreholes were abandoned by filling with hydrated Wyoming sodium bentonite clay.

4.0 PHASE II FINDINGS

4.1 Regional Geology and Hydrogeology

A review of the Soil Survey of Franklin County was conducted utilizing the USDA Natural Resources Conservation Service website (http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx). According to the Soil Survey, the subject property is located in an urban land complex. Specifically, 6.8% of the subject property Bennington-Urban Land Complex, and approximately 93.2% is Cardington-Urban Land Complex. This indicates that nearly 100% of the predominant soil type has been disturbed and covered with an impervious layer consisting of buildings, streets, sidewalks and other structures.

The "Groundwater Resources Map of Franklin County" (James S. Schmidt, 1952) indicates that the subject property is located in an area in which "Very limited and often quite shallow glacial deposits of sand and gravel overlying shale bedrock of eroded ancestral drainage channel. Potential yields may not exceed 5 gallons per minute at depths of 15 to 35 feet."

Based upon USGS topographical maps, shallow groundwater flow is expected to follow the ground level slope of surface elevations towards the nearest open body of water or intermittent stream. The groundwater flow was expected to be west to southwest based on topography towards Alum Creek, located approximately 0.11 miles west of the property. It should be noted that the groundwater flow direction to the west towards Alum Creek had been confirmed by PANDEY during previous investigations performed in the immediate vicinity of the subject property.

PANDEY also reviewed the well logs of water wells installed near the subject property as maintained by Ohio Department of Natural Resources, Division of Water. According to these records, there are no oil / gas well permits identified within one (1) mile of the subject property. Also, according to ODNR records, an approximate total of twenty-six (26) registered water wells were within 0.5 miles of the subject property. These wells range in depth from approximately 15 to 300 feet deep in formations of sand & gravel, clay, fill, shale and limestone bedrock. It appears that a shallow groundwater zone exists at approximately 17 to 20 feet below ground surface (bgs) within sand and gravel near the

subject property. The majority of the ODNR well logs are related to monitoring wells that are being used for environmental monitoring of the groundwater media in the area. No ODNR wells currently exist on the subject property itself. ODNR well log documentation is included in Appendix D of this report.

4.2 Property-Specific Geology and Hydrogeology

According to USGS topographic maps, the subject property is located approximately 759 feet above mean sea level. Elevations dip and are uneven across the subject property. The dips and inconsistent elevation changes observed across the site are evidence of subsurface settling and movement. The nearest surface water feature is Alum Creek, located approximately 0.11 miles west of the subject property. Bore logs showing specific soil descriptions are contained in Appendix B of this report.

Based on information gathered during previous environmental and groundwater investigations performed along the Ferndale-Mayfield Place corridor (on properties located adjacent to the subject property), the predominant groundwater flow direction is likely flowing to the west towards Alum Creek.

4.3 QA/QC Data Review

No control issues or discrepancies were noted which would have had the potential to impact the findings of this report.

All soil analyses were evaluated to ensure that laboratory method detection limits (MDLs) were not higher than the VAP Generic Direct Contact Soil Standard (GDCSS) for residential land use, as presented in Appendix F of this report.

There were multiple instances where the MDLs or reporting limits for 4-Aminobiphenyl, benzidine, 7,12-dimethylbenz(a)anthracene, 3-Methylcholanthrene, N-nitrosodiethylamine and N-nitrosodimethylamine that were higher than their associated standards as listed in Appendix F. These instances were not chemicals of concern at the subject property, but were included in a larger

laboratory analytical suite. There is no reason to anticipate the presence of any of these listed chemicals of concern in soil. Therefore, the reporting limits are considered acceptable for these compounds.

4.4 Identification and Evaluation of Chemicals of Concern

Various chemicals of concern have been identified in the soil media at the subject property during the January 2024 Limited Phase II Property Assessment. The following discusses the detections of these chemicals. Locations of soil sample locations are shown on Figures 2, 3.1 and 3.2 and analytical results are presented on Tables 1 of this report. References to soil standards in the following discussion are to the Ohio VAP Generic Direct Contact Soil Standards for residential / unrestricted land use.

On-Site Soils

The soils across the site were investigated by PANDEY during site investigations conducted in January, 2024 through the advancement of six (6) soil borings labeled 937 Ferndale-SB-1, 937 Ferndale-SB-2, 937 Ferndale-SB-3, 937 Ferndale-SB-4, 937 Ferndale-SB-5, 937 Ferndale-SB-6. The borings were installed across all exterior portions of the subject property.

The soil borings were installed to a depth of approximately ten (10) feet bgs. One (1) soil sample was collected from each installed soil boring across the subject property. A total of six (6) soil samples were submitted for laboratory analysis. The soil samples selected for laboratory analysis were based upon visual observations and olfactory indications of contamination, as well as readings from a MiniRAE 2000 Photoionization Detector (PID). These readings, as recorded on the soil boring logs, are provided in Appendix B of this report. Samples collected from all borings were analyzed for VOCs, SVOCs and RCRA Metals. Various fill materials including glass fragments, ceramic, clay tile, bricks, and cinders were observed at various depths ranging from 0’ to approximately 10’ below ground surface (bgs) across the subject property. This is consistent with observations noted in previous investigations performed on adjacent properties, described in Section 1.2. The fill materials confirm that the subject property is located on a former landfill area.

Laboratory analysis of all soil samples detected chemicals above laboratory reporting limits including metals (particularly Arsenic, Cadmium, Barium, Chromium, Lead and Mercury) and Semi-Volatile Organic Compounds, particularly Poly-Aromatic Hydrocarbons (PAHs) such as Benzo(a)pyrene. Multiple detections of Arsenic as well as one detection of Lead were noted in exceedance of the applicable VAP Generic Direct Contact Soil Standard (GDCSS) for residential /unrestricted land use. Additionally, multiple detections of the PAH Benzo(a)pyrene were noted in exceedance of the applicable VAP GDCSS for residential /unrestricted land use. However, all other detections of Metals and SVOCs and VOCs were below the applicable VAP soil standards.

The results of soil sampling across the property indicate that the soils underlying the property have been impacted by historical landfill / dumping operations.

5.0 CONCLUSIONS

This Limited Phase II Property Assessment was conducted to identify and confirm the presence of subsurface contamination in the soil from the impact of RCRA 8 Metals, VOCs, SVOCs. Analysis and interpretation of data gathered as part of this property assessment has led to the following conclusions:

- Multiple detections of chemicals of concern were reported in soil samples. Detections of RCRA Metals (Arsenic & Lead) were observed above applicable VAP Generic Direct Contact Soil Standards (GDCSS) for residential / unrestricted land use. Exceedances of the applicable VAP GDCSS for residential / unrestricted land use of RCRA metals were found in five (5) of the six (6) soil borings. Additionally, two (2) detections of the Poly-Aromatic Hydrocarbon (PAH) Benzo(a)pyrene were observed above the applicable VAP GDCSS for residential land use in the boring 937 Ferndale:SB-3 and 937 Ferndale:SB:5. Observed exceedances of metals and PAHs in the soil media were detected in the 2'-4', 4'-6' and 6-8'subsurface intervals across the subject property. This indicates that soils underlying the property have been impacted by historical landfill / dumping operations.
- All soil samples collected during this Limited Phase II Property Assessment from varying subsurface intervals were chosen for laboratory analysis either through a visual observation of the sample, through the PID screenings, or through an olfactory screening. Due to the limited scope of the project, only 1 sample was collected per soil bore. However, this does not imply that any other subsurface soil intervals are unimpacted by the former landfill operations.
- The soil bores installed at the property were approximately two inches in diameter and were somewhat limited in their ability to explore the landfill mass due to their small size. However, landfill material such as plastic shards, glass, black staining and brick fragments were present at varying intervals throughout many intervals collected on the subject property. This observation confirms that the subject property is located on a former landfill.
- The detections in soil samples exceed the VAP residential GDCSS for arsenic, lead and benzo(a)pyrene on a single chemical basis. This means that the individual chemical of concern exceeds the individual chemical standard as promulgated by the VAP. However, if an adjustment were to be performed for the presence of multiple chemicals in a sample, the risk associated with those chemicals would be synergistically more than the risk that is presented on

a single chemical comparison. Completion of a multiple chemical risk assessment is outside the scope of this assessment. However, in our opinion, the risk as presented in this report from the soil contamination is underestimated as it does not account for the cumulative risk from multiple chemicals of concern.

Based on this Limited Phase II Property Assessment, levels of Lead, Arsenic and Benzo(a)pyrene exceed their corresponding VAP single chemical direct contact standards for residential or unrestricted land use in on-site soils. It is our opinion that the subject property, located at 937 Ferndale Place in Bexley, Ohio 43209 is located on a former undocumented landfill area. This judgment is based on visual site observations as well as after review of laboratory analytical data.

6.0 STATEMENT OF LIMITATIONS AND QUALIFICATIONS

The subject property has been examined based on best professional judgment and current Phase II Property Assessment evaluation methods. These methods include requirements of the Ohio Voluntary Action Program, ASTM Standards, and other professional site assessment guidelines.

The evaluations, assessments, and conclusions stated in this report represent judgment and/or opinions which are based solely upon visual and analytical observations made during the site investigation and public records search including information from previous environmental investigations.

Any reuse of this information, assessment, or conclusions contained herein by parties other than those mentioned in Section 1 of this report, shall be at the sole risk or liability of the party undertaking the reuse of this information.

PANDEY makes no claim that the areas of contamination discovered as a result of the limited Phase II Property Assessment investigations represent the only possible areas of contamination at the site. The sampling locations were chosen based on a review of historical resources, previous environmental assessments, interviews, and a visual site reconnaissance.

Evidence has not been provided to PANDEY which suggests the likelihood of contamination at areas of the property other than those investigated to date. However, undocumented and/or unreported spills and/or releases which may have the potential to negatively impact the subject property may have occurred at the subject property over the course of its history.

FIGURES

FIGURE 1: PROPERTY LOCATION AND PARCEL MAP
FIGURE 2: SOIL SAMPLING LOCATION MAP
FIGURE 3.1: 937 FERNDALE PLACE ANALYTICAL DATA TAG MAP
FIGURE 3.2: 937 FERNDALE PLACE ANALYTICAL DATA TAG MAP

Legend

937 Ferndale Place Property Boundary

0 10 20 40 60 80 Feet

N

Bexley 937 Ferndale Place Property
Bexley, Ohio 43209

Figure 1
Property Location and Parcel Map

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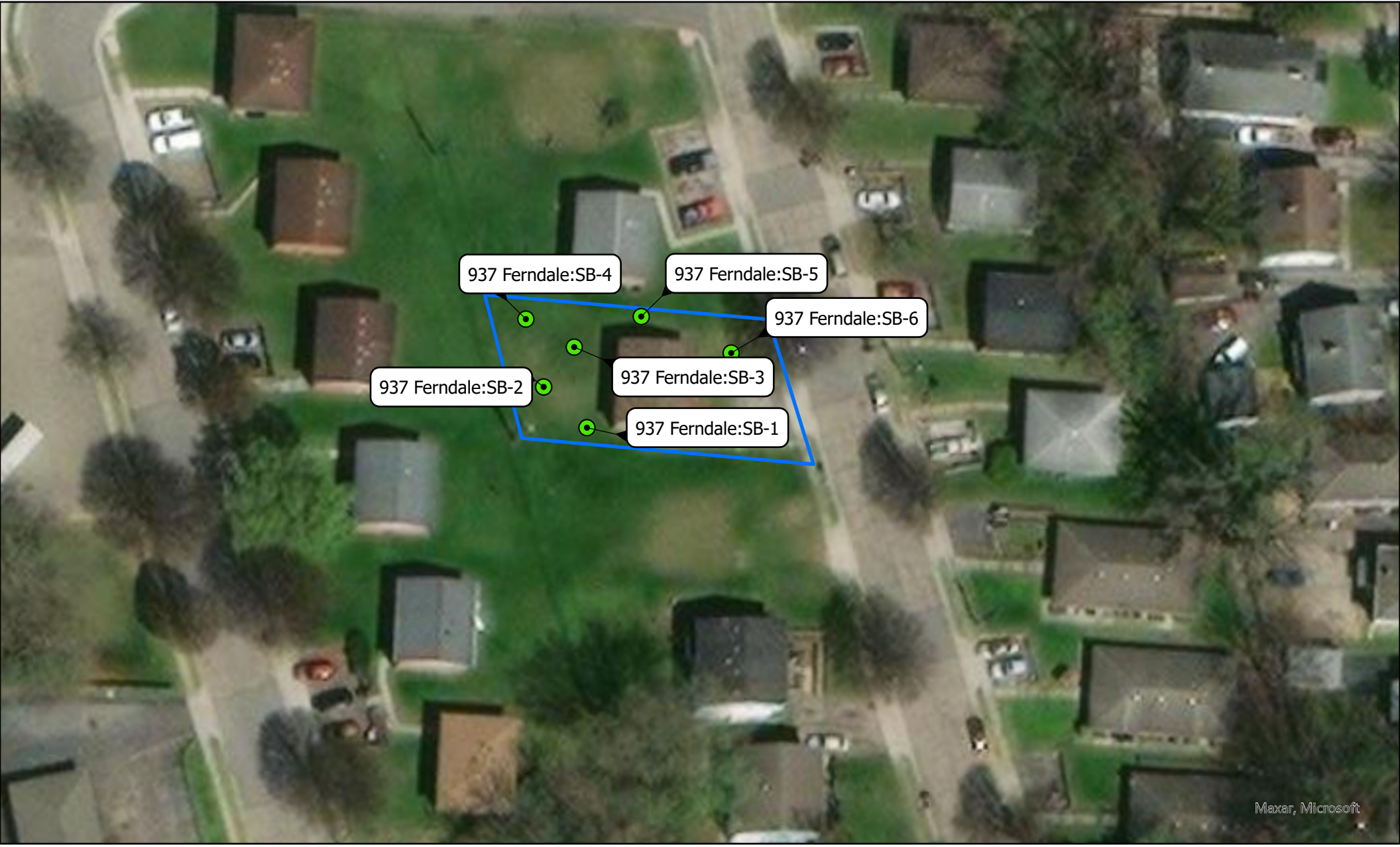

Legend

- Soil Bore Locations
- 937 Ferndale Place Property Boundary

0 15 30 60 90 120 Feet

N

Bexley 937 Ferndale Place Property
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Figure 2
Soil Sampling Location Map

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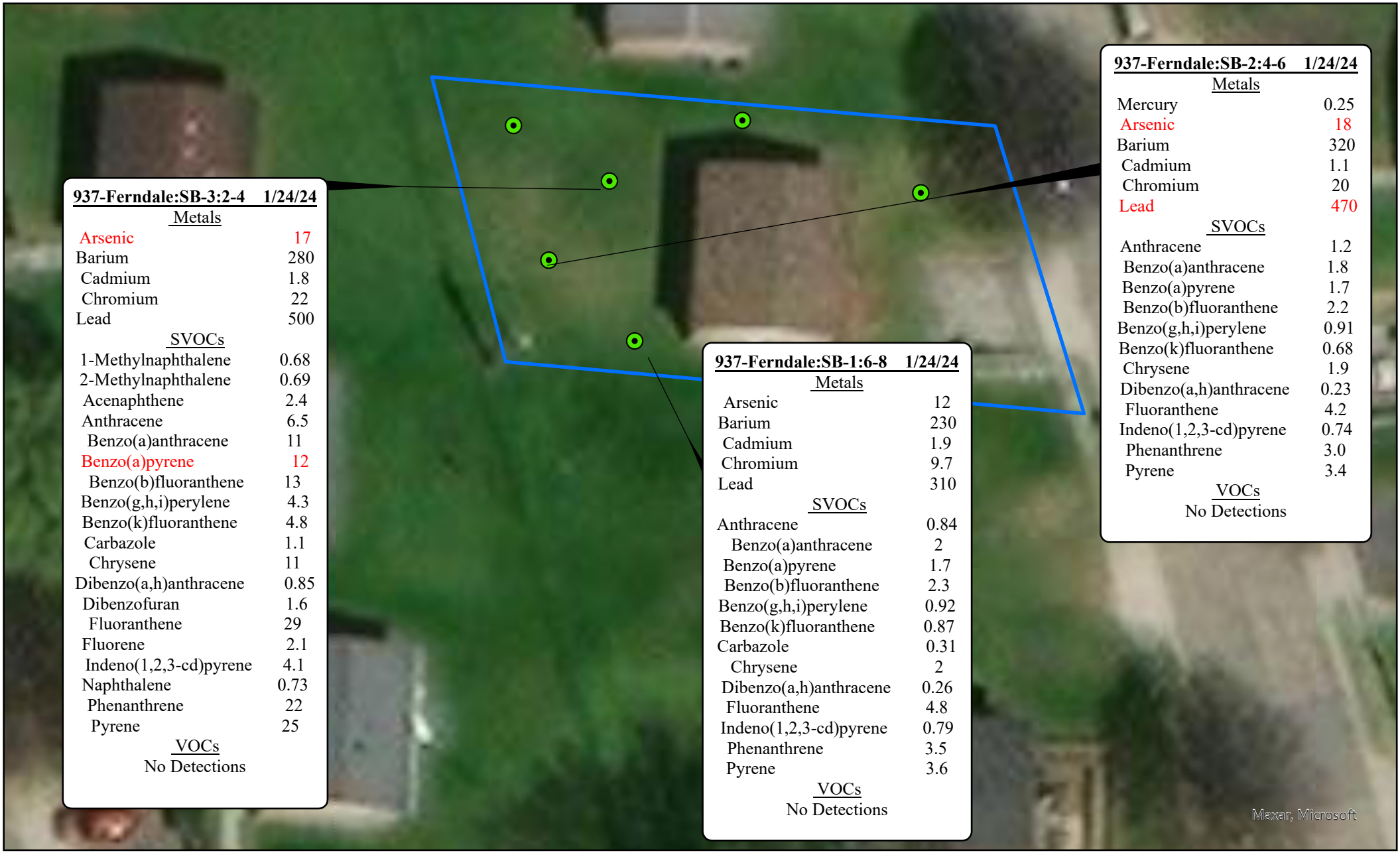

Legend

- Soil Bore Locations
- 937 Ferndale Place Property Boundary

Detections of Metals, SVOCs and VOCs are reported in mg/Kg-dry.

Exceedances of GDCSS for residential land use are denoted in RED

0 5 10 20 30 40 Feet

N

Bexley 937 Ferndale Place Property
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Figure 3.1
937 Ferndale Place Analytical Data Tag Map

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Legend

- Soil Bore Locations
- 937 Ferndale Place Property Boundary

Detections of Metals are reported in mg/Kg-dry. Detections of SVOCs and VOCs are reported in ug/Kg-dry

Exceedances of GDCSS for residential land use are denoted in RED

0 5 10 20 30 40 Feet

N

Bexley 937 Ferndale Place Property
Bexley, Ohio 43209

Figure 3.2
937 Ferndale Place Analytical Data Tag Map

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TABLES

TABLE 1: SUMMARY OF SOIL SAMPLING DATA

Table 1: Summary of Soil Sampling Data
Sampling Area ALL: All Identified Areas

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Bexley 937 Ferndale: 937 Ferndale Place; Bexley, Ohio

Chemical Name	937 Ferndale SB-1:6-8	937 Ferndale SB-2:4-6	937 Ferndale SB-3:2-4	937 Ferndale SB-4:2-4	937 Ferndale SB-5:2-4	937 Ferndale SB-6:6-8	Res.	GDCSS Comm.	Const.
Metals & Inorganic Analytes									
Arsenic, Inorganic	12	18	17	17	28	18	14	100	760
Barium and Compounds	230	320	280	370	180	60	30000	760000	350000
Cadmium	1.9	1.1	1.8	0.93	1.1	0.48	140	3300	710
Chromium, Total	9.7	20	22	11	12	8.9	27	240	1300
Lead and Compounds	310	470	500	200	190	14	400	800	400
Mercury and Compounds	<0.49	0.25	<0.44	0.11	0.23	<0.042	3.1	3.1	3.1
Selenium	<0.8	<0.81	<0.76	<0.93	<0.81	<0.72	780	23000	12000
Silver	<1.3	<1.4	<1.3	<1.6	<1.4	<1.2	780	23000	12000
Pesticides									
Safrole	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	49	320	5100
Herbicides									
Dinoseb	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	130	2500	1600
Pentachlorophenol	<2.2	<2.3	<2.1	<2.6	<2.3	<2	20	100	1000
Volatile Organic Compounds (VOCs)									
4-chlorotoluene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Acetone	<0.068	<0.068	<0.063	<0.079	<0.069	<0.06	110000	110000	110000
Benzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	28	130	1200
Bromobenzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Bromochloromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Bromodichloromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	7.3	33	300
Bromoform	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	460	910	910
Bromomethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	17	76	550
Carbon Disulfide	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	740	740	740
Carbon Tetrachloride	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	16	74	460
Chlorobenzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	660	760	760
Chloroform	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	7.9	35	320
Chloromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	280	1200	1300
Chlorotoluene, 2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Cumene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	270	270	270
Dibromo-3-chloropropane, 1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	0.37	1.6	15
Dibromochloromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	130	800	800
Dibromoethane, 1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	0.89	4.2	39
Dibromomethane (Methylene Bro	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	59	250	870
Dichlorobenzene, 1,2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	380	380	380
Dichlorobenzene, 1,3-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Dichlorobenzene, 1,4-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	65	290	2600
Dichlorodifluoromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	850	850	850
Dichloroethane, 1,1-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	89	390	1700
Dichloroethane, 1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	11	52	480
Dichloroethene, cis - 1,2	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	310	2400	2400
Dichloroethylene, 1,1-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	360	1200	360
Dichloroethylene, 1,2-trans-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	1900	1900	1900
Dichloropropane, 1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	39	170	180
Dichloropropane, 1,3-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	1500	1500	1500
Dichloropropane, 2,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Dichloropropene, 1,1-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Dichloropropene, 1,3- (cis)	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Dichloropropene, 1,3- (trans)	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Ethyl Chloride	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	2100	2100	2100
Ethylbenzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	140	480	480

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ENVIRONMENTAL, LLC

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Chemical Name	937 Ferndale SB-1:6-8	937 Ferndale SB-2:4-6	937 Ferndale SB-3:2-4	937 Ferndale SB-4:2-4	937 Ferndale SB-5:2-4	937 Ferndale SB-6:6-8	GDCSS Res.	GDCSS Comm.	GDCSS Const.
Volatile Organic Compounds (VOCs)									
Methyl butyl ketone	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Methyl Ethyl Ketone (2-Butanone)	<0.068	<0.068	<0.063	<0.079	<0.069	<0.06	28000	28000	28000
Methyl Isobutyl Ketone (4-methyl-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	3400	3400	3400
Methyl tert-Butyl Ether (MTBE)	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	1100	5400	8900
Methylene Chloride	<0.027	<0.027	<0.025	<0.031	<0.028	<0.024	740	3300	3300
n-butyl benzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	110	110	110
n-propyl benzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	260	260	260
Pentachloroethane	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	120	460	460
p-isopropyltoluene (Cymene)	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	160	160	160
Sec-butyl benzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	140	140	140
Styrene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	870	870	870
Tert-butyl benzene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	180	180	180
Tetrachloroethane, 1,1,1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	49	230	680
Tetrachloroethane, 1,1,2,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	15	71	670
Tetrachloroethylene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	170	170	170
Toluene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	820	820	820
Trichlorobenzene, 1,2,3,-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Trichlorobenzene, 1,2,4-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	140	400	400
Trichloroethane, 1,1,1-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	640	640	640
Trichloroethane, 1,1,2-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	28	130	1200
Trichloroethylene	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	10	48	17
Trichlorofluoromethane	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	1200	1200	1200
Trichloropropane, 1,2,3 -	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	0.102	4.4	19
Trimethylbenzene, 1,2,4-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	220	220	220
Trimethylbenzene, 1,3,5	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	180	180	180
Vinyl Chloride	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006	1.3	49	280
Xylene, m- p-	<0.014	<0.014	<0.013	<0.016	<0.014	<0.012			
Xylene, o-	<0.0068	<0.0068	<0.0063	<0.0079	<0.0069	<0.006			
Xylenes	<0.02	<0.021	<0.019	<0.024	<0.021	<0.018	260	260	260
Semi-Volatile Organic Compounds (SVOCs)									
1-Naphthylamine	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
2,6-Dichlorophenol	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
2-Picoline	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
3&4-Methylphenol	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
4,6-Dinitro-2-methylphenol	<2.2	<2.3	<2.1	<2.6	<2.3	<2	10	200	1300
4-Bromophenyl phenyl ether	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
4-Chlorophenyl phenyl ether	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
4-Nitroquinoline 1-oxide	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Acenaphthene	<0.27	<0.27	**2.4**	<0.31	**0.85**	<0.24	7200	1000000	290000
Acenaphthylene	<0.27	<0.27	<0.25	<0.31	**0.57**	<0.24	7200	130000	290000
Acetophenone	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	2500	2500	2500
Aniline	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	880	12000	11000
Anthracene	**0.84**	**1.2**	**6.5**	**0.47**	**2.1**	<0.24	36000	670000	1000000
Azobenzene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Benz[a]anthracene	**2**	**1.8**	**11**	**1.7**	**7.5**	**0.28**	23	610	9600
Benzidine	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	0.047	0.31	4.8
Benzo(g,h,i)perylene	**0.92**	**0.91**	**4.3**	**0.86**	**2.5**	<0.24	3600	67000	430000
Benzo[a]pyrene	**1.7**	**1.7**	**12**	**1.7**	**7.6**	**0.26**	2.3	62	230
Benzo[b]fluoranthene	**2.3**	**2.2**	**13**	**2.1**	**8.9**	**0.33**	23	620	10000
Benzo[k]fluoranthene	**0.87**	**0.68**	**4.8**	**0.85**	**3.2**	<0.24	230	6200	100000
Benzyl alcohol	<0.9	<0.91	<0.83	<1	<0.91	<0.79			

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PANDEY
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Semi-Volatile Organic Compounds (SVOCs)									
Bis(2-chloro-1-methylethyl) ether	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	1000	1000	1000
Bis(2-chloroethoxy)methane	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	380	7600	48000
Bis(2-chloroethyl)ether	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	5.3	30	290
Bis(2-ethylhexyl)phthalate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	780	5100	79000
Butyl Benzyl Phthlate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	5700	37000	590000
Carbazole	0.31	<0.27	1.1	<0.31	0.46	<0.24	540	3500	56000
Chloroaniline, p-	<0.9	<0.91	<0.83	<1	<0.91	<0.79	54	350	800
Chloronaphthalene, Beta-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	13000	370000	1000000
Chlorophenol, 2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	780	23000	27000
Chrysene	2	1.9	11	1.7	7.2	0.25	2300	62000	1000000
Cresol, o-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	6300	130000	790000
Cresol, p-chloro-m-	<0.9	<0.91	<0.83	<1	<0.91	<0.79	13000	250000	160000
Dibenz[a,h]anthracene	0.26	0.23	0.85	0.19	0.94	<0.12	2.3	62	1000
Dibenzofuran	<0.27	<0.27	1.6	<0.31	0.4	<0.24	160	4700	9700
Dibutyl Phthalate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	13000	250000	480000
Dichlorobenzidine, 3,3'-	<0.9	<0.91	<0.83	<1	<0.91	<0.79	24	160	2500
Dichlorophenol, 2,4-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	380	7600	32000
Diethyl Phthalate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	100000	1000000	1000000
Dimethyl phthalate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	100000	1000000	1000000
Dimethylphenol, 2,4-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	2500	51000	95000
Dinitrobenzene, 1,3-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	13	250	1600
Dinitrophenol, 2,4-	<2.2	<2.3	<2.1	<2.6	<2.3	<2	250	5100	32000
Dinitrotoluene, 2,4-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	35	230	3600
Dinitrotoluene, 2,6-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	7.3	47	750
Ethyl methanesulfonate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Fluoranthene	4.8	4.2	29	3.7	17	0.45	4800	89000	170000
Fluorene	<0.27	<0.27	2.1	<0.31	0.63	<0.24	4800	89000	580000
Hexachlorobenzene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	4.1	22	16
Hexachlorobutadiene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	17	17	17
Hexachlorocyclopentadiene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	4.4	16	16
Hexachloroethane	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	45	210	2000
Indeno[1,2,3-cd]pyrene	0.79	0.74	4.1	0.72	2.8	0.15	23	620	10000
Isophorone	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	11000	75000	1000000
Isosafrole	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Methapyrilene	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Methyl methanesulfonate	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Methylnaphthalene, 1-	<0.27	<0.27	0.68	<0.31	<0.28	<0.24	350	390	390
Methylnaphthalene, 2-	<0.27	<0.27	0.69	<0.31	<0.28	<0.24	480	8900	5800
Naphthalene	<0.27	<0.27	0.73	<0.31	<0.28	<0.24	96	420	560
Nitroaniline, 2-	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Nitroaniline, 3-	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Nitroaniline, 4-	<0.9	<0.91	<0.83	<1	<0.91	<0.79	510	3500	16000
Nitrobenzene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	130	560	3000
Nitrophenol, 2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Nitrophenol, 4-	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Nitroso-di-N-propylamine, N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	1.6	10	160
N-Nitrosomethylethylamine	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Octyl Phthalate, di-N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	1300	25000	160000
o-Toluidine	<2.2	<2.3	<2.1	<2.6	<2.3	<2			
Phenanthrene	3.5	3	22	1.8	9.1	0.35	36000	670000	1000000
Phenol	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	38000	760000	940000
Pyrene	3.6	3.4	25	3.2	14	0.38	3600	67000	430000

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Semi-Volatile Organic Compounds (SVOCs)									
Pyridine	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	160	4700	24000
Trichlorophenol, 2,4,5-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	13000	250000	1000000
Trichlorophenol, 2,4,6-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	130	2500	1600
Other/Unassigned									
Acetylaminofluorene, 2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	2.9	19	290
Aminobiphenyl, 4-	<0.9	<0.91	<0.83	<1	<0.91	<0.79	0.52	3.4	53
Dimethylamino azobenzene [p-]	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	2.4	15	240
Dimethylbenz(a)anthracene, 7,12-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	0.041	0.25	4
Diphenylamine	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Methyl-5-Nitroaniline, 2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4			
Methylcholanthrene, 3-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	0.49	3.2	51
Naphthylamine, 2-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	6	39	620
Nitrosodiethylamine, N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	0.072	0.47	7.4
Nitrosodimethylamine, N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	0.164	1.1	11
Nitroso-di-N-butylamine, N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	2	15	160
Nitrosomorpholine [N-]	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	1.6	11	170
Nitrosopiperidine [N-]	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	1.2	7.5	120
Nitrosopyrrolidine, N-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	5.2	34	530
Pentachlorobenzene	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	100	2000	13000
Pentachloronitrobenzene	<0.9	<0.91	<0.83	<1	<0.91	<0.79	42	270	4300
Phenacetin	<0.9	<0.91	<0.83	<1	<0.91	<0.79	4900	32000	510000
Tetrachlorobenzene, 1,2,4,5-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	38	760	4800
Tetrachlorophenol, 2,3,4,6-	<0.45	<0.45	<0.42	<0.52	<0.46	<0.4	3800	76000	480000

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APPENDIX A
LABORATORY ANALYTICAL DATA, CHAIN OF CUSTODY, AND LABORATORY AFFIDAVITS

02-Feb-2024

Jason Martin
Pandey Environmental, LLC
6277 Riverside Drive
Suite Two South
Dublin, OH 43017

Re: **937 Ferndale Place** Work Order: **24010878**

Dear Jason,

ALS Environmental received 6 samples on 26-Jan-2024 01:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 52.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 02-Feb-24

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: **24010878**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24010878-01	937 Ferndale:SB-1:6-8	Soil		1/24/2024 09:52	1/26/2024 13:00	☐
24010878-02	937 Ferndale:SB-2:4-6	Soil		1/24/2024 09:39	1/26/2024 13:00	☐
24010878-03	937 Ferndale:SB-3:2-4	Soil		1/24/2024 09:25	1/26/2024 13:00	☐
24010878-04	937 Ferndale:SB-4:2-4	Soil		1/24/2024 09:05	1/26/2024 13:00	☐
24010878-05	937 Ferndale:SB-5:2-4	Soil		1/24/2024 08:45	1/26/2024 13:00	☐
24010878-06	937 Ferndale:SB-6:6-8	Soil		1/24/2024 08:25	1/26/2024 13:00	☐

ALS Environmental

Date: 02-Feb-24

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-1:6-8
Lab ID: 24010878-01
Collection Date: 1/24/2024 09:52 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**27**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	ND		0.49	mg/Kg-dry	10	1/31/2024 03:38 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 1/31/24 11:27		Analyst: **JW**
Arsenic	**12**		**1.3**	**mg/Kg-dry**	1	1/31/2024 01:03 PM
Barium	**230**		**5.3**	**mg/Kg-dry**	1	1/31/2024 01:03 PM
Cadmium	**1.9**		**0.27**	**mg/Kg-dry**	1	1/31/2024 01:03 PM
Chromium	**9.7**		**2.7**	**mg/Kg-dry**	1	1/31/2024 01:03 PM
Lead	**310**		**5.3**	**mg/Kg-dry**	1	1/31/2024 01:03 PM
Selenium	ND		0.80	mg/Kg-dry	1	1/31/2024 01:03 PM
Silver	ND		1.3	mg/Kg-dry	1	1/31/2024 01:03 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1,2,4-Trichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1,2-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1,3-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1,3-Dinitrobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1,4-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
1-Methylnaphthalene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
1-Naphthylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,3,4,6-Tetrachlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4,5-Trichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4,6-Trichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4-Dichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4-Dimethylphenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4-Dinitrophenol	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
2,4-Dinitrotoluene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,6-Dichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2,6-Dinitrotoluene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Acetylaminofluorene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Chloronaphthalene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Chlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Methylnaphthalene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Methylphenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Naphthylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Nitroaniline	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
2-Nitrophenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-1:6-8
Lab ID: 24010878-01
Collection Date: 1/24/2024 09:52 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
3&4-Methylphenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
3,3`-Dichlorobenzidine	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
3-Methylcholanthrene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
3-Nitroaniline	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
4,6-Dinitro-2-methylphenol	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Aminobiphenyl	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Bromophenyl phenyl ether	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Chloro-3-methylphenol	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Chloroaniline	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Chlorophenyl phenyl ether	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Nitroaniline	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Nitrophenol	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
4-Nitroquinoline 1-oxide	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
5-Nitro-o-toluidine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
7,12-Dimethylbenz(a)anthracene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Acenaphthene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
Acenaphthylene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
Acetophenone	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Aniline	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Anthracene	**840**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Azobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Benzidine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Benzo(a)anthracene	**2,000**		**140**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Benzo(a)pyrene	**1,700**		**140**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Benzo(b)fluoranthene	**2,300**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Benzo(g,h,i)perylene	**920**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Benzo(k)fluoranthene	**870**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Benzyl alcohol	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
Bis(2-chloroethoxy)methane	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Bis(2-chloroethyl)ether	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Bis(2-chloroisopropyl)ether	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Bis(2-ethylhexyl)phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Butyl benzyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Carbazole	**310**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Chrysene	**2,000**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Dibenzo(a,h)anthracene	**260**		**140**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Dibenzofuran	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
Diethyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Dimethyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-1:6-8 **Lab ID:** 24010878-01
Collection Date: 1/24/2024 09:52 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Di-n-octyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Dinoseb	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Diphenylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Ethyl methanesulfonate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Fluoranthene	**4,800**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Fluorene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
Hexachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Hexachlorobutadiene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Hexachlorocyclopentadiene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Hexachloroethane	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Indeno(1,2,3-cd)pyrene	**790**		**140**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Isophorone	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Isosafrole	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Methapyrilene	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
Methyl methanesulfonate	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Naphthalene	ND		270	µg/Kg-dry	1	1/31/2024 09:47 PM
Nitrobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosodiethylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosodimethylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitroso-di-n-butylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosodi-n-propylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosomethylethylamine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosomorpholine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosopiperidine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
N-Nitrosopyrrolidine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
o-Toluidine	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
p-Dimethylaminoazobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Pentachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Pentachloroethane	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Pentachloronitrobenzene	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
Pentachlorophenol	ND		2,200	µg/Kg-dry	1	1/31/2024 09:47 PM
Phenacetin	ND		900	µg/Kg-dry	1	1/31/2024 09:47 PM
Phenanthrene	**3,500**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Phenol	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Pyrene	**3,600**		**270**	**µg/Kg-dry**	1	1/31/2024 09:47 PM
Pyridine	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Safrole	ND		450	µg/Kg-dry	1	1/31/2024 09:47 PM
Surr: 2,4,6-Tribromophenol	*40.1*		*14.2-136*	*%REC*	1	1/31/2024 09:47 PM
Surr: 2-Fluorobiphenyl	*47.1*		*30-116*	*%REC*	1	1/31/2024 09:47 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-1:6-8 **Lab ID:** 24010878-01
Collection Date: 1/24/2024 09:52 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*38.7*		*5.42-113*	*%REC*	1	1/31/2024 09:47 PM
Surr: 4-Terphenyl-d14	*46.2*		*27.3-138*	*%REC*	1	1/31/2024 09:47 PM
Surr: Nitrobenzene-d5	*46.3*		*23.7-109*	*%REC*	1	1/31/2024 09:47 PM
Surr: Phenol-d6	*40.7*		*24.9-103*	*%REC*	1	1/31/2024 09:47 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1,1-Trichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1,2,2-Tetrachloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1,2-Trichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1-Dichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,1-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2,3-Trichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2,3-Trichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2,4-Trichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2,4-Trimethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2-Dibromo-3-chloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2-Dibromoethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2-Dichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,2-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,3,5-Trimethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,3-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,3-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
1,4-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
2,2-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
2-Butanone	ND		68	µg/Kg-dry	1	1/30/2024 05:13 PM
2-Chlorotoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
2-Hexanone	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
4-Chlorotoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
4-Methyl-2-pentanone	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Acetone	ND		68	µg/Kg-dry	1	1/30/2024 05:13 PM
Benzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Bromobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Bromochloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Bromodichloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Bromoform	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Bromomethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Carbon disulfide	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Carbon tetrachloride	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-1:6-8
Lab ID: 24010878-01
Collection Date: 1/24/2024 09:52 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Chloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Chloroform	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Chloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
cis-1,2-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
cis-1,3-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Dibromochloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Dibromomethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Dichlorodifluoromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Ethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Hexachlorobutadiene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Isopropylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
m,p-Xylene	ND		14	µg/Kg-dry	1	1/30/2024 05:13 PM
Methyl tert-butyl ether	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Methylene chloride	ND		27	µg/Kg-dry	1	1/30/2024 05:13 PM
Naphthalene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
n-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
n-Propylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
o-Xylene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
p-Isopropyltoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
sec-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Styrene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
tert-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Tetrachloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Toluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
trans-1,2-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
trans-1,3-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Trichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Trichlorofluoromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Vinyl chloride	ND		6.8	µg/Kg-dry	1	1/30/2024 05:13 PM
Xylenes, Total	ND		20	µg/Kg-dry	1	1/30/2024 05:13 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	1/30/2024 05:13 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	1/30/2024 05:13 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	1/30/2024 05:13 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-2:4-6
Lab ID: 24010878-02
Collection Date: 1/24/2024 09:39 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**27**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	**0.25**		**0.049**	**mg/Kg-dry**	1	1/31/2024 03:13 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 1/31/24 11:27		Analyst: **JW**
Arsenic	**18**		**1.4**	**mg/Kg-dry**	1	1/31/2024 01:04 PM
Barium	**320**		**5.4**	**mg/Kg-dry**	1	1/31/2024 01:04 PM
Cadmium	**1.1**		**0.27**	**mg/Kg-dry**	1	1/31/2024 01:04 PM
Chromium	**20**		**2.7**	**mg/Kg-dry**	1	1/31/2024 01:04 PM
Lead	**470**		**5.4**	**mg/Kg-dry**	1	1/31/2024 01:04 PM
Selenium	ND		0.81	mg/Kg-dry	1	1/31/2024 01:04 PM
Silver	ND		1.4	mg/Kg-dry	1	1/31/2024 01:04 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1,2,4-Trichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1,2-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1,3-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1,3-Dinitrobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1,4-Dichlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
1-Methylnaphthalene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
1-Naphthylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,3,4,6-Tetrachlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4,5-Trichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4,6-Trichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4-Dichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4-Dimethylphenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4-Dinitrophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
2,4-Dinitrotoluene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,6-Dichlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2,6-Dinitrotoluene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Acetylaminofluorene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Chloronaphthalene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Chlorophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Methylnaphthalene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Methylphenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Naphthylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Nitroaniline	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
2-Nitrophenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-2:4-6 **Lab ID:** 24010878-02
Collection Date: 1/24/2024 09:39 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
3&4-Methylphenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
3,3`-Dichlorobenzidine	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
3-Methylcholanthrene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
3-Nitroaniline	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
4,6-Dinitro-2-methylphenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Aminobiphenyl	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Bromophenyl phenyl ether	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Chloro-3-methylphenol	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Chloroaniline	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Chlorophenyl phenyl ether	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Nitroaniline	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Nitrophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
4-Nitroquinoline 1-oxide	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
5-Nitro-o-toluidine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
7,12-Dimethylbenz(a)anthracene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Acenaphthene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Acenaphthylene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Acetophenone	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Aniline	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Anthracene	**1,200**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Azobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Benzidine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Benzo(a)anthracene	**1,800**		**140**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Benzo(a)pyrene	**1,700**		**140**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Benzo(b)fluoranthene	**2,200**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Benzo(g,h,i)perylene	**910**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Benzo(k)fluoranthene	**680**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Benzyl alcohol	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
Bis(2-chloroethoxy)methane	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Bis(2-chloroethyl)ether	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Bis(2-chloroisopropyl)ether	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Bis(2-ethylhexyl)phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Butyl benzyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Carbazole	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Chrysene	**1,900**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Dibenzo(a,h)anthracene	**230**		**140**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Dibenzofuran	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Diethyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Dimethyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-2:4-6 **Lab ID:** 24010878-02
Collection Date: 1/24/2024 09:39 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Di-n-octyl phthalate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Dinoseb	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Diphenylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Ethyl methanesulfonate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Fluoranthene	**4,200**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Fluorene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Hexachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Hexachlorobutadiene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Hexachlorocyclopentadiene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Hexachloroethane	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Indeno(1,2,3-cd)pyrene	**740**		**140**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Isophorone	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Isosafrole	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Methapyrilene	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
Methyl methanesulfonate	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Naphthalene	ND		270	µg/Kg-dry	1	1/31/2024 10:05 PM
Nitrobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosodiethylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosodimethylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitroso-di-n-butylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosodi-n-propylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosomethylethylamine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosomorpholine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosopiperidine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
N-Nitrosopyrrolidine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
o-Toluidine	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
p-Dimethylaminoazobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Pentachlorobenzene	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Pentachloroethane	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Pentachloronitrobenzene	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
Pentachlorophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:05 PM
Phenacetin	ND		910	µg/Kg-dry	1	1/31/2024 10:05 PM
Phenanthrene	**3,000**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Phenol	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Pyrene	**3,400**		**270**	**µg/Kg-dry**	1	1/31/2024 10:05 PM
Pyridine	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Safrole	ND		450	µg/Kg-dry	1	1/31/2024 10:05 PM
Surr: 2,4,6-Tribromophenol	*53.9*		*14.2-136*	*%REC*	1	1/31/2024 10:05 PM
Surr: 2-Fluorobiphenyl	*57.9*		*30-116*	*%REC*	1	1/31/2024 10:05 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-2:4-6 **Lab ID:** 24010878-02
Collection Date: 1/24/2024 09:39 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*44.1*		*5.42-113*	*%REC*	1	1/31/2024 10:05 PM
Surr: 4-Terphenyl-d14	*60.8*		*27.3-138*	*%REC*	1	1/31/2024 10:05 PM
Surr: Nitrobenzene-d5	*58.4*		*23.7-109*	*%REC*	1	1/31/2024 10:05 PM
Surr: Phenol-d6	*48.7*		*24.9-103*	*%REC*	1	1/31/2024 10:05 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1,1-Trichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1,2,2-Tetrachloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1,2-Trichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1-Dichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,1-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2,3-Trichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2,3-Trichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2,4-Trichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2,4-Trimethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2-Dibromo-3-chloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2-Dibromoethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2-Dichloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,2-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,3,5-Trimethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,3-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,3-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
1,4-Dichlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
2,2-Dichloropropane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
2-Butanone	ND		68	µg/Kg-dry	1	1/30/2024 05:36 PM
2-Chlorotoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
2-Hexanone	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
4-Chlorotoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
4-Methyl-2-pentanone	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Acetone	ND		68	µg/Kg-dry	1	1/30/2024 05:36 PM
Benzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Bromobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Bromochloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Bromodichloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Bromoform	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Bromomethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Carbon disulfide	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Carbon tetrachloride	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-2:4-6
Lab ID: 24010878-02
Collection Date: 1/24/2024 09:39 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Chloroethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Chloroform	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Chloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
cis-1,2-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
cis-1,3-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Dibromochloromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Dibromomethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Dichlorodifluoromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Ethylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Hexachlorobutadiene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Isopropylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
m,p-Xylene	ND		14	µg/Kg-dry	1	1/30/2024 05:36 PM
Methyl tert-butyl ether	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Methylene chloride	ND		27	µg/Kg-dry	1	1/30/2024 05:36 PM
Naphthalene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
n-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
n-Propylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
o-Xylene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
p-Isopropyltoluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
sec-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Styrene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
tert-Butylbenzene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Tetrachloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Toluene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
trans-1,2-Dichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
trans-1,3-Dichloropropene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Trichloroethene	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Trichlorofluoromethane	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Vinyl chloride	ND		6.8	µg/Kg-dry	1	1/30/2024 05:36 PM
Xylenes, Total	ND		21	µg/Kg-dry	1	1/30/2024 05:36 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	1/30/2024 05:36 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	1/30/2024 05:36 PM
Surr: Toluene-d8	*106*		*60-140*	*%REC*	1	1/30/2024 05:36 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-3:2-4
Lab ID: 24010878-03
Collection Date: 1/24/2024 09:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**21**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	ND		0.44	mg/Kg-dry	10	1/31/2024 03:41 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 1/31/24 11:27		Analyst: **JW**
Arsenic	**17**		**1.3**	**mg/Kg-dry**	1	1/31/2024 01:06 PM
Barium	**280**		**5.0**	**mg/Kg-dry**	1	1/31/2024 01:06 PM
Cadmium	**1.8**		**0.25**	**mg/Kg-dry**	1	1/31/2024 01:06 PM
Chromium	**22**		**2.5**	**mg/Kg-dry**	1	1/31/2024 01:06 PM
Lead	**500**		**5.0**	**mg/Kg-dry**	1	1/31/2024 01:06 PM
Selenium	ND		0.76	mg/Kg-dry	1	1/31/2024 01:06 PM
Silver	ND		1.3	mg/Kg-dry	1	1/31/2024 01:06 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1,2,4-Trichlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1,2-Dichlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1,3-Dichlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1,3-Dinitrobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1,4-Dichlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
1-Methylnaphthalene	**680**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
1-Naphthylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,3,4,6-Tetrachlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4,5-Trichlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4,6-Trichlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4-Dichlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4-Dimethylphenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4-Dinitrophenol	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
2,4-Dinitrotoluene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,6-Dichlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2,6-Dinitrotoluene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Acetylaminofluorene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Chloronaphthalene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Chlorophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Methylnaphthalene	**690**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
2-Methylphenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Naphthylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Nitroaniline	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
2-Nitrophenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-3:2-4
Lab ID: 24010878-03
Collection Date: 1/24/2024 09:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
3&4-Methylphenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
3,3`-Dichlorobenzidine	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
3-Methylcholanthrene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
3-Nitroaniline	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
4,6-Dinitro-2-methylphenol	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Aminobiphenyl	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Bromophenyl phenyl ether	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Chloro-3-methylphenol	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Chloroaniline	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Chlorophenyl phenyl ether	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Nitroaniline	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Nitrophenol	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
4-Nitroquinoline 1-oxide	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
5-Nitro-o-toluidine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
7,12-Dimethylbenz(a)anthracene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Acenaphthene	**2,400**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Acenaphthylene	ND		250	µg/Kg-dry	1	1/31/2024 10:22 PM
Acetophenone	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Aniline	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Anthracene	**6,500**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Azobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Benzidine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Benzo(a)anthracene	**11,000**		**1,300**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Benzo(a)pyrene	**12,000**		**1,300**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Benzo(b)fluoranthene	**13,000**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Benzo(g,h,i)perylene	**4,300**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Benzo(k)fluoranthene	**4,800**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Benzyl alcohol	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
Bis(2-chloroethoxy)methane	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Bis(2-chloroethyl)ether	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Bis(2-chloroisopropyl)ether	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Bis(2-ethylhexyl)phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Butyl benzyl phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Carbazole	**1,100**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Chrysene	**11,000**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Dibenzo(a,h)anthracene	**850**		**130**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Dibenzofuran	**1,600**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Diethyl phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Dimethyl phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-3:2-4
Lab ID: 24010878-03
Collection Date: 1/24/2024 09:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Di-n-octyl phthalate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Dinoseb	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Diphenylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Ethyl methanesulfonate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Fluoranthene	**29,000**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Fluorene	**2,100**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Hexachlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Hexachlorobutadiene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Hexachlorocyclopentadiene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Hexachloroethane	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Indeno(1,2,3-cd)pyrene	**4,100**		**130**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Isophorone	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Isosafrole	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Methapyrilene	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
Methyl methanesulfonate	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Naphthalene	**730**		**250**	**µg/Kg-dry**	1	1/31/2024 10:22 PM
Nitrobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosodiethylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosodimethylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitroso-di-n-butylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosodi-n-propylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosomethylethylamine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosomorpholine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosopiperidine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
N-Nitrosopyrrolidine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
o-Toluidine	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
p-Dimethylaminoazobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Pentachlorobenzene	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Pentachloroethane	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Pentachloronitrobenzene	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
Pentachlorophenol	ND		2,100	µg/Kg-dry	1	1/31/2024 10:22 PM
Phenacetin	ND		830	µg/Kg-dry	1	1/31/2024 10:22 PM
Phenanthrene	**22,000**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Phenol	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Pyrene	**25,000**		**2,500**	**µg/Kg-dry**	10	2/2/2024 02:22 PM
Pyridine	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Safrole	ND		420	µg/Kg-dry	1	1/31/2024 10:22 PM
Surr: 2,4,6-Tribromophenol	*57.9*		*14.2-136*	*%REC*	1	1/31/2024 10:22 PM
Surr: 2-Fluorobiphenyl	*57.5*		*30-116*	*%REC*	1	1/31/2024 10:22 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-3:2-4 **Lab ID:** 24010878-03
Collection Date: 1/24/2024 09:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*53.3*		*5.42-113*	*%REC*	1	1/31/2024 10:22 PM
Surr: 4-Terphenyl-d14	*58.7*		*27.3-138*	*%REC*	1	1/31/2024 10:22 PM
Surr: Nitrobenzene-d5	*55.2*		*23.7-109*	*%REC*	1	1/31/2024 10:22 PM
Surr: Phenol-d6	*58.5*		*24.9-103*	*%REC*	1	1/31/2024 10:22 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1,1-Trichloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1,2,2-Tetrachloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1,2-Trichloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1-Dichloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1-Dichloroethene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,1-Dichloropropene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2,3-Trichlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2,3-Trichloropropane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2,4-Trichlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2,4-Trimethylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2-Dibromo-3-chloropropane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2-Dibromoethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2-Dichlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2-Dichloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,2-Dichloropropane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,3,5-Trimethylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,3-Dichlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,3-Dichloropropane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
1,4-Dichlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
2,2-Dichloropropane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
2-Butanone	ND		63	µg/Kg-dry	1	1/30/2024 05:59 PM
2-Chlorotoluene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
2-Hexanone	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
4-Chlorotoluene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
4-Methyl-2-pentanone	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Acetone	ND		63	µg/Kg-dry	1	1/30/2024 05:59 PM
Benzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Bromobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Bromochloromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Bromodichloromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Bromoform	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Bromomethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Carbon disulfide	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Carbon tetrachloride	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-3:2-4
Lab ID: 24010878-03
Collection Date: 1/24/2024 09:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Chloroethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Chloroform	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Chloromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
cis-1,2-Dichloroethene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
cis-1,3-Dichloropropene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Dibromochloromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Dibromomethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Dichlorodifluoromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Ethylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Hexachlorobutadiene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Isopropylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
m,p-Xylene	ND		13	µg/Kg-dry	1	1/30/2024 05:59 PM
Methyl tert-butyl ether	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Methylene chloride	ND		25	µg/Kg-dry	1	1/30/2024 05:59 PM
Naphthalene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
n-Butylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
n-Propylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
o-Xylene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
p-Isopropyltoluene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
sec-Butylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Styrene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
tert-Butylbenzene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Tetrachloroethene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Toluene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
trans-1,2-Dichloroethene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
trans-1,3-Dichloropropene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Trichloroethene	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Trichlorofluoromethane	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Vinyl chloride	ND		6.3	µg/Kg-dry	1	1/30/2024 05:59 PM
Xylenes, Total	ND		19	µg/Kg-dry	1	1/30/2024 05:59 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	1/30/2024 05:59 PM
Surr: Dibromofluoromethane	*104*		*60-140*	*%REC*	1	1/30/2024 05:59 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	1/30/2024 05:59 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-4:2-4
Lab ID: 24010878-04
Collection Date: 1/24/2024 09:05 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**36**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	**0.11**		**0.056**	**mg/Kg-dry**	1	1/31/2024 03:17 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 1/31/24 11:27		Analyst: **JW**
Arsenic	**17**		**1.6**	**mg/Kg-dry**	1	1/31/2024 01:07 PM
Barium	**370**		**6.2**	**mg/Kg-dry**	1	1/31/2024 01:07 PM
Cadmium	**0.93**		**0.31**	**mg/Kg-dry**	1	1/31/2024 01:07 PM
Chromium	**11**		**3.1**	**mg/Kg-dry**	1	1/31/2024 01:07 PM
Lead	**200**		**6.2**	**mg/Kg-dry**	1	1/31/2024 01:07 PM
Selenium	ND		0.93	mg/Kg-dry	1	1/31/2024 01:07 PM
Silver	ND		1.6	mg/Kg-dry	1	1/31/2024 01:07 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1,2,4-Trichlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1,2-Dichlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1,3-Dichlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1,3-Dinitrobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1,4-Dichlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
1-Methylnaphthalene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
1-Naphthylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,3,4,6-Tetrachlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4,5-Trichlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4,6-Trichlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4-Dichlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4-Dimethylphenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4-Dinitrophenol	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
2,4-Dinitrotoluene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,6-Dichlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2,6-Dinitrotoluene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Acetylaminofluorene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Chloronaphthalene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Chlorophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Methylnaphthalene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Methylphenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Naphthylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Nitroaniline	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
2-Nitrophenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-4:2-4
Lab ID: 24010878-04
Collection Date: 1/24/2024 09:05 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
3&4-Methylphenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
3,3`-Dichlorobenzidine	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
3-Methylcholanthrene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
3-Nitroaniline	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
4,6-Dinitro-2-methylphenol	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Aminobiphenyl	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Bromophenyl phenyl ether	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Chloro-3-methylphenol	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Chloroaniline	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Chlorophenyl phenyl ether	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Nitroaniline	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Nitrophenol	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
4-Nitroquinoline 1-oxide	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
5-Nitro-o-toluidine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
7,12-Dimethylbenz(a)anthracene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Acenaphthene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Acenaphthylene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Acetophenone	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Aniline	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Anthracene	**470**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Azobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Benzidine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Benzo(a)anthracene	**1,700**		**160**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Benzo(a)pyrene	**1,700**		**160**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Benzo(b)fluoranthene	**2,100**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Benzo(g,h,i)perylene	**860**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Benzo(k)fluoranthene	**850**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Benzyl alcohol	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
Bis(2-chloroethoxy)methane	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Bis(2-chloroethyl)ether	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Bis(2-chloroisopropyl)ether	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Bis(2-ethylhexyl)phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Butyl benzyl phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Carbazole	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Chrysene	**1,700**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Dibenzo(a,h)anthracene	**190**		**160**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Dibenzofuran	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Diethyl phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Dimethyl phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-4:2-4 **Lab ID:** 24010878-04
Collection Date: 1/24/2024 09:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Di-n-octyl phthalate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Dinoseb	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Diphenylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Ethyl methanesulfonate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Fluoranthene	**3,700**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Fluorene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Hexachlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Hexachlorobutadiene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Hexachlorocyclopentadiene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Hexachloroethane	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Indeno(1,2,3-cd)pyrene	**720**		**160**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Isophorone	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Isosafrole	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Methapyrilene	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
Methyl methanesulfonate	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Naphthalene	ND		310	µg/Kg-dry	1	1/31/2024 10:40 PM
Nitrobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosodiethylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosodimethylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitroso-di-n-butylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosodi-n-propylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosomethylethylamine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosomorpholine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosopiperidine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
N-Nitrosopyrrolidine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
o-Toluidine	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
p-Dimethylaminoazobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Pentachlorobenzene	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Pentachloroethane	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Pentachloronitrobenzene	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
Pentachlorophenol	ND		2,600	µg/Kg-dry	1	1/31/2024 10:40 PM
Phenacetin	ND		1,000	µg/Kg-dry	1	1/31/2024 10:40 PM
Phenanthrene	**1,800**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Phenol	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Pyrene	**3,200**		**310**	**µg/Kg-dry**	1	1/31/2024 10:40 PM
Pyridine	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Safrole	ND		520	µg/Kg-dry	1	1/31/2024 10:40 PM
Surr: 2,4,6-Tribromophenol	*57.5*		*14.2-136*	*%REC*	1	1/31/2024 10:40 PM
Surr: 2-Fluorobiphenyl	*49.1*		*30-116*	*%REC*	1	1/31/2024 10:40 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-4:2-4 **Lab ID:** 24010878-04
Collection Date: 1/24/2024 09:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*46.1*		*5.42-113*	*%REC*	1	1/31/2024 10:40 PM
Surr: 4-Terphenyl-d14	*63.7*		*27.3-138*	*%REC*	1	1/31/2024 10:40 PM
Surr: Nitrobenzene-d5	*45.1*		*23.7-109*	*%REC*	1	1/31/2024 10:40 PM
Surr: Phenol-d6	*51.2*		*24.9-103*	*%REC*	1	1/31/2024 10:40 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1,1-Trichloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1,2,2-Tetrachloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1,2-Trichloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1-Dichloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1-Dichloroethene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,1-Dichloropropene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2,3-Trichlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2,3-Trichloropropane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2,4-Trichlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2,4-Trimethylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2-Dibromo-3-chloropropane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2-Dibromoethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2-Dichlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2-Dichloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,2-Dichloropropane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,3,5-Trimethylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,3-Dichlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,3-Dichloropropane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
1,4-Dichlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
2,2-Dichloropropane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
2-Butanone	ND		79	µg/Kg-dry	1	1/30/2024 06:22 PM
2-Chlorotoluene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
2-Hexanone	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
4-Chlorotoluene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
4-Methyl-2-pentanone	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Acetone	ND		79	µg/Kg-dry	1	1/30/2024 06:22 PM
Benzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Bromobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Bromochloromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Bromodichloromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Bromoform	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Bromomethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Carbon disulfide	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Carbon tetrachloride	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-4:2-4
Lab ID: 24010878-04
Collection Date: 1/24/2024 09:05 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Chloroethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Chloroform	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Chloromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
cis-1,2-Dichloroethene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
cis-1,3-Dichloropropene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Dibromochloromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Dibromomethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Dichlorodifluoromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Ethylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Hexachlorobutadiene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Isopropylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
m,p-Xylene	ND		16	µg/Kg-dry	1	1/30/2024 06:22 PM
Methyl tert-butyl ether	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Methylene chloride	ND		31	µg/Kg-dry	1	1/30/2024 06:22 PM
Naphthalene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
n-Butylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
n-Propylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
o-Xylene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
p-Isopropyltoluene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
sec-Butylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Styrene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
tert-Butylbenzene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Tetrachloroethene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Toluene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
trans-1,2-Dichloroethene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
trans-1,3-Dichloropropene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Trichloroethene	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Trichlorofluoromethane	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Vinyl chloride	ND		7.9	µg/Kg-dry	1	1/30/2024 06:22 PM
Xylenes, Total	ND		24	µg/Kg-dry	1	1/30/2024 06:22 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	1/30/2024 06:22 PM
Surr: Dibromofluoromethane	*106*		*60-140*	*%REC*	1	1/30/2024 06:22 PM
Surr: Toluene-d8	*105*		*60-140*	*%REC*	1	1/30/2024 06:22 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-5:2-4
Lab ID: 24010878-05
Collection Date: 1/24/2024 08:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**28**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	**0.23**		**0.048**	**mg/Kg-dry**	1	1/31/2024 03:20 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 1/31/24 11:27		Analyst: **JW**
Arsenic	**28**		**1.4**	**mg/Kg-dry**	1	1/31/2024 01:09 PM
Barium	**180**		**5.4**	**mg/Kg-dry**	1	1/31/2024 01:09 PM
Cadmium	**1.1**		**0.27**	**mg/Kg-dry**	1	1/31/2024 01:09 PM
Chromium	**12**		**2.7**	**mg/Kg-dry**	1	1/31/2024 01:09 PM
Lead	**190**		**5.4**	**mg/Kg-dry**	1	1/31/2024 01:09 PM
Selenium	ND		0.81	mg/Kg-dry	1	1/31/2024 01:09 PM
Silver	ND		1.4	mg/Kg-dry	1	1/31/2024 01:09 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1,2,4-Trichlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1,2-Dichlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1,3-Dichlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1,3-Dinitrobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1,4-Dichlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
1-Methylnaphthalene	ND		280	µg/Kg-dry	1	1/31/2024 10:57 PM
1-Naphthylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,3,4,6-Tetrachlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4,5-Trichlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4,6-Trichlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4-Dichlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4-Dimethylphenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4-Dinitrophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
2,4-Dinitrotoluene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,6-Dichlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2,6-Dinitrotoluene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Acetylaminofluorene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Chloronaphthalene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Chlorophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Methylnaphthalene	ND		280	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Methylphenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Naphthylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Nitroaniline	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
2-Nitrophenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-5:2-4
Lab ID: 24010878-05
Collection Date: 1/24/2024 08:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
3&4-Methylphenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
3,3`-Dichlorobenzidine	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
3-Methylcholanthrene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
3-Nitroaniline	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
4,6-Dinitro-2-methylphenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Aminobiphenyl	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Bromophenyl phenyl ether	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Chloro-3-methylphenol	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Chloroaniline	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Chlorophenyl phenyl ether	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Nitroaniline	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Nitrophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
4-Nitroquinoline 1-oxide	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
5-Nitro-o-toluidine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
7,12-Dimethylbenz(a)anthracene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Acenaphthene	**850**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Acenaphthylene	**570**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Acetophenone	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Aniline	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Anthracene	**2,100**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Azobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Benzidine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Benzo(a)anthracene	**7,500**		**1,400**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Benzo(a)pyrene	**7,600**		**1,400**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Benzo(b)fluoranthene	**8,900**		**2,800**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Benzo(g,h,i)perylene	**2,500**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Benzo(k)fluoranthene	**3,200**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Benzyl alcohol	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
Bis(2-chloroethoxy)methane	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Bis(2-chloroethyl)ether	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Bis(2-chloroisopropyl)ether	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Bis(2-ethylhexyl)phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Butyl benzyl phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Carbazole	**460**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Chrysene	**7,200**		**2,800**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Dibenzo(a,h)anthracene	**940**		**140**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Dibenzofuran	**400**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Diethyl phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Dimethyl phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-5:2-4
Lab ID: 24010878-05
Collection Date: 1/24/2024 08:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Di-n-octyl phthalate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Dinoseb	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Diphenylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Ethyl methanesulfonate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Fluoranthene	**17,000**		**2,800**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Fluorene	**630**		**280**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Hexachlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Hexachlorobutadiene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Hexachlorocyclopentadiene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Hexachloroethane	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Indeno(1,2,3-cd)pyrene	**2,800**		**140**	**µg/Kg-dry**	1	1/31/2024 10:57 PM
Isophorone	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Isosafrole	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Methapyrilene	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
Methyl methanesulfonate	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Naphthalene	ND		280	µg/Kg-dry	1	1/31/2024 10:57 PM
Nitrobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosodiethylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosodimethylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitroso-di-n-butylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosodi-n-propylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosomethylethylamine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosomorpholine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosopiperidine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
N-Nitrosopyrrolidine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
o-Toluidine	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
p-Dimethylaminoazobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Pentachlorobenzene	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Pentachloroethane	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Pentachloronitrobenzene	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
Pentachlorophenol	ND		2,300	µg/Kg-dry	1	1/31/2024 10:57 PM
Phenacetin	ND		910	µg/Kg-dry	1	1/31/2024 10:57 PM
Phenanthrene	**9,100**		**2,800**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Phenol	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Pyrene	**14,000**		**2,800**	**µg/Kg-dry**	10	2/2/2024 02:37 PM
Pyridine	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Safrole	ND		460	µg/Kg-dry	1	1/31/2024 10:57 PM
Surr: 2,4,6-Tribromophenol	*62.0*		*14.2-136*	*%REC*	1	1/31/2024 10:57 PM
Surr: 2-Fluorobiphenyl	*64.9*		*30-116*	*%REC*	1	1/31/2024 10:57 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-5:2-4 **Lab ID:** 24010878-05
Collection Date: 1/24/2024 08:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*59.8*		*5.42-113*	*%REC*	1	1/31/2024 10:57 PM
Surr: 4-Terphenyl-d14	*65.5*		*27.3-138*	*%REC*	1	1/31/2024 10:57 PM
Surr: Nitrobenzene-d5	*63.0*		*23.7-109*	*%REC*	1	1/31/2024 10:57 PM
Surr: Phenol-d6	*63.1*		*24.9-103*	*%REC*	1	1/31/2024 10:57 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1,1-Trichloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1,2,2-Tetrachloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1,2-Trichloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1-Dichloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1-Dichloroethene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,1-Dichloropropene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2,3-Trichlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2,3-Trichloropropane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2,4-Trichlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2,4-Trimethylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2-Dibromo-3-chloropropane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2-Dibromoethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2-Dichlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2-Dichloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,2-Dichloropropane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,3,5-Trimethylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,3-Dichlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,3-Dichloropropane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
1,4-Dichlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
2,2-Dichloropropane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
2-Butanone	ND		69	µg/Kg-dry	1	1/30/2024 06:46 PM
2-Chlorotoluene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
2-Hexanone	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
4-Chlorotoluene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
4-Methyl-2-pentanone	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Acetone	ND		69	µg/Kg-dry	1	1/30/2024 06:46 PM
Benzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Bromobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Bromochloromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Bromodichloromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Bromoform	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Bromomethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Carbon disulfide	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Carbon tetrachloride	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-5:2-4
Lab ID: 24010878-05
Collection Date: 1/24/2024 08:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Chloroethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Chloroform	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Chloromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
cis-1,2-Dichloroethene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
cis-1,3-Dichloropropene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Dibromochloromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Dibromomethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Dichlorodifluoromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Ethylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Hexachlorobutadiene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Isopropylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
m,p-Xylene	ND		14	µg/Kg-dry	1	1/30/2024 06:46 PM
Methyl tert-butyl ether	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Methylene chloride	ND		28	µg/Kg-dry	1	1/30/2024 06:46 PM
Naphthalene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
n-Butylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
n-Propylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
o-Xylene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
p-Isopropyltoluene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
sec-Butylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Styrene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
tert-Butylbenzene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Tetrachloroethene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Toluene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
trans-1,2-Dichloroethene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
trans-1,3-Dichloropropene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Trichloroethene	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Trichlorofluoromethane	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Vinyl chloride	ND		6.9	µg/Kg-dry	1	1/30/2024 06:46 PM
Xylenes, Total	ND		21	µg/Kg-dry	1	1/30/2024 06:46 PM
Surr: 4-Bromofluorobenzene	*98.3*		*60-140*	*%REC*	1	1/30/2024 06:46 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	1/30/2024 06:46 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	1/30/2024 06:46 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-6:6-8
Lab ID: 24010878-06
Collection Date: 1/24/2024 08:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**16**			**% of sample**	1	1/29/2024
MERCURY BY CVAA			**SW7471A**	Prep: EPA 7471 1/31/24 11:27		Analyst: **SLT**
Mercury	ND		0.042	mg/Kg-dry	1	1/31/2024 03:26 PM
METALS BY ICP			**SW6010B**	Prep: SW3050B 2/1/24 11:16		Analyst: **JW**
Arsenic	**18**		**1.2**	**mg/Kg-dry**	1	2/1/2024 01:15 PM
Barium	**60**		**4.8**	**mg/Kg-dry**	1	2/1/2024 01:15 PM
Cadmium	**0.48**		**0.24**	**mg/Kg-dry**	1	2/1/2024 01:15 PM
Chromium	**8.9**		**2.4**	**mg/Kg-dry**	1	2/1/2024 01:15 PM
Lead	**14**		**4.8**	**mg/Kg-dry**	1	2/1/2024 01:15 PM
Selenium	ND		0.72	mg/Kg-dry	1	2/1/2024 01:15 PM
Silver	ND		1.2	mg/Kg-dry	1	2/1/2024 01:15 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**	Prep: SW3546 1/29/24 16:25		Analyst: **DTL**
1,2,4,5-Tetrachlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1,2,4-Trichlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1,2-Dichlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1,3-Dichlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1,3-Dinitrobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1,4-Dichlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
1-Methylnaphthalene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
1-Naphthylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,3,4,6-Tetrachlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4,5-Trichlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4,6-Trichlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4-Dichlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4-Dimethylphenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4-Dinitrophenol	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
2,4-Dinitrotoluene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,6-Dichlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2,6-Dinitrotoluene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Acetylaminofluorene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Chloronaphthalene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Chlorophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Methylnaphthalene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Methylphenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Naphthylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Nitroaniline	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
2-Nitrophenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-6:6-8
Lab ID: 24010878-06
Collection Date: 1/24/2024 08:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Picoline	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
3&4-Methylphenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
3,3`-Dichlorobenzidine	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
3-Methylcholanthrene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
3-Nitroaniline	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
4,6-Dinitro-2-methylphenol	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Aminobiphenyl	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Bromophenyl phenyl ether	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Chloro-3-methylphenol	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Chloroaniline	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Chlorophenyl phenyl ether	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Nitroaniline	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Nitrophenol	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
4-Nitroquinoline 1-oxide	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
5-Nitro-o-toluidine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
7,12-Dimethylbenz(a)anthracene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Acenaphthene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Acenaphthylene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Acetophenone	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Aniline	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Anthracene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Azobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Benzidine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Benzo(a)anthracene	**280**		**120**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Benzo(a)pyrene	**260**		**120**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Benzo(b)fluoranthene	**330**		**240**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Benzo(g,h,i)perylene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Benzo(k)fluoranthene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Benzyl alcohol	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
Bis(2-chloroethoxy)methane	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Bis(2-chloroethyl)ether	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Bis(2-chloroisopropyl)ether	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Bis(2-ethylhexyl)phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Butyl benzyl phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Carbazole	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Chrysene	**250**		**240**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Dibenzo(a,h)anthracene	ND		120	µg/Kg-dry	1	1/30/2024 09:56 PM
Dibenzofuran	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Diethyl phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Dimethyl phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-6:6-8
Lab ID: 24010878-06
Collection Date: 1/24/2024 08:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Di-n-butyl phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Di-n-octyl phthalate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Dinoseb	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Diphenylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Ethyl methanesulfonate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Fluoranthene	**450**		**240**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Fluorene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Hexachlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Hexachlorobutadiene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Hexachlorocyclopentadiene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Hexachloroethane	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Indeno(1,2,3-cd)pyrene	**150**		**120**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Isophorone	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Isosafrole	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Methapyrilene	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
Methyl methanesulfonate	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Naphthalene	ND		240	µg/Kg-dry	1	1/30/2024 09:56 PM
Nitrobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosodiethylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosodimethylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitroso-di-n-butylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosodi-n-propylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosomethylethylamine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosomorpholine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosopiperidine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
N-Nitrosopyrrolidine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
o-Toluidine	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
p-Dimethylaminoazobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Pentachlorobenzene	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Pentachloroethane	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Pentachloronitrobenzene	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
Pentachlorophenol	ND		2,000	µg/Kg-dry	1	1/30/2024 09:56 PM
Phenacetin	ND		790	µg/Kg-dry	1	1/30/2024 09:56 PM
Phenanthrene	**350**		**240**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Phenol	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Pyrene	**380**		**240**	**µg/Kg-dry**	1	1/30/2024 09:56 PM
Pyridine	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Safrole	ND		400	µg/Kg-dry	1	1/30/2024 09:56 PM
Surr: 2,4,6-Tribromophenol	*58.5*		*14.2-136*	*%REC*	1	1/30/2024 09:56 PM
Surr: 2-Fluorobiphenyl	*63.4*		*30-116*	*%REC*	1	1/30/2024 09:56 PM

Note:

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place **Work Order:** 24010878
Sample ID: 937 Ferndale:SB-6:6-8 **Lab ID:** 24010878-06
Collection Date: 1/24/2024 08:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorophenol	*63.1*		*5.42-113*	*%REC*	1	1/30/2024 09:56 PM
Surr: 4-Terphenyl-d14	*62.3*		*27.3-138*	*%REC*	1	1/30/2024 09:56 PM
Surr: Nitrobenzene-d5	*68.1*		*23.7-109*	*%REC*	1	1/30/2024 09:56 PM
Surr: Phenol-d6	*67.8*		*24.9-103*	*%REC*	1	1/30/2024 09:56 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1,1-Trichloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1,2,2-Tetrachloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1,2-Trichloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1-Dichloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1-Dichloroethene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,1-Dichloropropene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2,3-Trichlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2,3-Trichloropropane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2,4-Trichlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2,4-Trimethylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2-Dibromo-3-chloropropane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2-Dibromoethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2-Dichlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2-Dichloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,2-Dichloropropane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,3,5-Trimethylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,3-Dichlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,3-Dichloropropane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
1,4-Dichlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
2,2-Dichloropropane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
2-Butanone	ND		60	µg/Kg-dry	1	1/30/2024 07:09 PM
2-Chlorotoluene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
2-Hexanone	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
4-Chlorotoluene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
4-Methyl-2-pentanone	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Acetone	ND		60	µg/Kg-dry	1	1/30/2024 07:09 PM
Benzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Bromobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Bromochloromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Bromodichloromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Bromoform	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Bromomethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Carbon disulfide	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Carbon tetrachloride	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM

Note:

ALS Environmental

Date: *02-Feb-24*

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
Work Order: 24010878
Sample ID: 937 Ferndale:SB-6:6-8
Lab ID: 24010878-06
Collection Date: 1/24/2024 08:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chlorobenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Chloroethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Chloroform	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Chloromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
cis-1,2-Dichloroethene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
cis-1,3-Dichloropropene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Dibromochloromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Dibromomethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Dichlorodifluoromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Ethylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Hexachlorobutadiene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Isopropylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
m,p-Xylene	ND		12	µg/Kg-dry	1	1/30/2024 07:09 PM
Methyl tert-butyl ether	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Methylene chloride	ND		24	µg/Kg-dry	1	1/30/2024 07:09 PM
Naphthalene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
n-Butylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
n-Propylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
o-Xylene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
p-Isopropyltoluene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
sec-Butylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Styrene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
tert-Butylbenzene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Tetrachloroethene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Toluene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
trans-1,2-Dichloroethene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
trans-1,3-Dichloropropene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Trichloroethene	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Trichlorofluoromethane	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Vinyl chloride	ND		6.0	µg/Kg-dry	1	1/30/2024 07:09 PM
Xylenes, Total	ND		18	µg/Kg-dry	1	1/30/2024 07:09 PM
Surr: 4-Bromofluorobenzene	*99.5*		*60-140*	*%REC*	1	1/30/2024 07:09 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	1/30/2024 07:09 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	1/30/2024 07:09 PM

Note:

Batch ID: **96541** Instrument ID **HG2** Method: **SW7471A**

MBLK Sample ID: **MBLK-96541-96541** Units: **mg/Kg** Analysis Date: **1/31/2024 02:27 PM**

Client ID: Run ID: **HG2_240131C** SeqNo: **3289664** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.30								

LCS Sample ID: **LCS-96541-96541** Units: **mg/Kg** Analysis Date: **1/31/2024 02:29 PM**

Client ID: Run ID: **HG2_240131C** SeqNo: **3289665** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8117	0.30	0.833	0	97.4	53.5-113	0			

LCSD Sample ID: **LCSD-96541-96541** Units: **mg/Kg** Analysis Date: **1/31/2024 02:31 PM**

Client ID: Run ID: **HG2_240131C** SeqNo: **3289666** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.8517	0.30	0.833	0	102	53.5-113	0.8117	4.81	20	

MS Sample ID: **24010878-05C MS** Units: **mg/Kg** Analysis Date: **1/31/2024 03:43 PM**

Client ID: **937 Ferndale:SB-5:2-4** Run ID: **HG2_240131C** SeqNo: **3289689** Prep Date: **1/31/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2244	0.36	0.09925	0.1694	55.4	69-147	0			JS

MSD Sample ID: **24010878-05C MSD** Units: **mg/Kg** Analysis Date: **1/31/2024 03:24 PM**

Client ID: **937 Ferndale:SB-5:2-4** Run ID: **HG2_240131C** SeqNo: **3289684** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1807	0.036	0.0998	0.1694	11.3	69-147	0.2244	21.6	20	SR

The following samples were analyzed in this batch:

24010878-01C	24010878-02C	24010878-03C
24010878-04C	24010878-05C	24010878-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96540** Instrument ID **ICP4** Method: **SW6010B**

MBLK Sample ID: **MBLK-96540-96540** Units: **mg/Kg** Analysis Date: **1/31/2024 12:38 PM**
Client ID: Run ID: **ICP4_240131B** SeqNo: **3289338** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	5.0								
Barium	ND	20								
Cadmium	ND	1.0								
Chromium	ND	10								
Lead	ND	20								
Selenium	ND	3.0								
Silver	ND	5.0								

LCS Sample ID: **LCS-96540-96540** Units: **mg/Kg** Analysis Date: **1/31/2024 12:39 PM**
Client ID: Run ID: **ICP4_240131B** SeqNo: **3289339** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	92.49	5.0	100	0	92.5	49.7-118	0			
Barium	98.97	20	100	0	99	81.6-112	0			
Cadmium	97	1.0	100	0	97	87.2-119	0			
Chromium	95.78	10	100	0	95.8	81.7-123	0			
Lead	92.18	20	100	0	92.2	82.9-117	0			
Selenium	94.7	3.0	100	0	94.7	86.2-110	0			
Silver	91.76	5.0	100	0	91.8	77.1-118	0			

LCSD Sample ID: **LCSD-96540-96540** Units: **mg/Kg** Analysis Date: **1/31/2024 12:41 PM**
Client ID: Run ID: **ICP4_240131B** SeqNo: **3289340** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	92.27	5.0	100	0	92.3	79.7-118	92.49	0.238	20	
Barium	99.1	20	100	0	99.1	81.6-112	98.97	0.131	20	
Cadmium	96	1.0	100	0	96	87.2-119	97	1.04	20	
Chromium	95.61	10	100	0	95.6	81.7-123	95.78	0.178	20	
Lead	91.64	20	100	0	91.6	82.9-117	92.18	0.588	20	
Selenium	93.63	3.0	100	0	93.6	86.2-110	94.7	1.14	20	
Silver	91.2	5.0	100	0	91.2	77.1-118	91.76	0.612	20	

MS Sample ID: **24010898-04B MS** Units: **mg/Kg** Analysis Date: **1/31/2024 01:20 PM**
Client ID: Run ID: **ICP4_240131B** SeqNo: **3289361** Prep Date: **1/31/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	31.54	4.0	19.79	18.02	68.3	69.3-107	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96540** Instrument ID **ICP4** Method: **SW6010B**

MSD	Sample ID: **24010898-04B MSD**				Units: **mg/Kg**			Analysis Date: **1/31/2024 01:21 PM**		
Client ID:		Run ID: **ICP4_240131B**			SeqNo: **3289362**		Prep Date: **1/31/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	31.61	3.9	19.38	18.02	70.1	69.3-107	31.54	0.219	20	

The following samples were analyzed in this batch:

24010878-01C	24010878-02C	24010878-03C
24010878-04C	24010878-05C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96586** Instrument ID **ICP4** Method: **SW6010B**

MBLK Sample ID: **MBLK-96586-96586** Units: **mg/Kg** Analysis Date: **2/1/2024 12:43 PM**
Client ID: Run ID: **ICP4_240201C** SeqNo: **3290435** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	5.0								
Barium	ND	20								
Cadmium	ND	1.0								
Chromium	ND	10								
Lead	ND	20								
Selenium	ND	3.0								
Silver	ND	5.0								

LCS Sample ID: **LCS-96586-96586** Units: **mg/Kg** Analysis Date: **2/1/2024 01:12 PM**
Client ID: Run ID: **ICP4_240201C** SeqNo: **3290436** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	98.61	5.0	100	0	98.6	49.7-118	0			
Barium	104.2	20	100	0	104	81.6-112	0			
Cadmium	101	1.0	100	0	101	87.2-119	0			
Chromium	101.3	10	100	0	101	81.7-123	0			
Lead	95.73	20	100	0	95.7	82.9-117	0			
Selenium	99.35	3.0	100	0	99.4	86.2-110	0			
Silver	94.98	5.0	100	0	95	77.1-118	0			

LCSD Sample ID: **LCSD-96586-96586** Units: **mg/Kg** Analysis Date: **2/1/2024 01:13 PM**
Client ID: Run ID: **ICP4_240201C** SeqNo: **3290437** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	94.78	5.0	100	0	94.8	79.7-118	98.61	3.96	20	
Barium	100.3	20	100	0	100	81.6-112	104.2	3.81	20	
Cadmium	98	1.0	100	0	98	87.2-119	101	3.02	20	
Chromium	98.24	10	100	0	98.2	81.7-123	101.3	3.07	20	
Lead	93.51	20	100	0	93.5	82.9-117	95.73	2.35	20	
Selenium	95.55	3.0	100	0	95.6	86.2-110	99.35	3.9	20	
Silver	91.4	5.0	100	0	91.4	77.1-118	94.98	3.84	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96586** Instrument ID **ICP4** Method: **SW6010B**

MS Sample ID: **24010878-06C MS** Units: **mg/Kg** Analysis Date: **2/1/2024 01:20 PM**

Client ID: **937 Ferndale:SB-6:6-8** Run ID: **ICP4_240201C** SeqNo: **3290439** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	30.8	0.99	19.86	14.86	80.3	69.6-115	0			
Barium	74.94	4.0	19.86	50.53	123	60.1-114	0			S
Cadmium	16.29	0.20	19.86	0.3996	80	69.1-120	0			
Chromium	22.56	2.0	19.86	7.451	76.1	69.3-116	0			
Lead	32.55	4.0	19.86	11.31	107	69.3-107	0			
Selenium	13.98	0.60	19.86	0.4296	68.2	66.5-109	0			
Silver	16.16	0.99	19.86	0	81.4	70.3-116	0			

MSD Sample ID: **24010878-06C MSD** Units: **mg/Kg** Analysis Date: **2/1/2024 01:21 PM**

Client ID: **937 Ferndale:SB-6:6-8** Run ID: **ICP4_240201C** SeqNo: **3290440** Prep Date: **2/1/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	29.39	0.99	19.79	14.86	73.4	69.6-115	30.8	4.69	20	
Barium	62.17	4.0	19.79	50.53	58.8	60.1-114	74.94	18.6	20	S
Cadmium	15.84	0.20	19.79	0.3996	78	69.1-120	16.29	2.81	20	
Chromium	22.27	2.0	19.79	7.451	74.9	69.3-116	22.56	1.31	20	
Lead	25.87	4.0	19.79	11.31	73.6	69.3-107	32.55	22.9	20	R
Selenium	13.36	0.59	19.79	0.4296	65.3	66.5-109	13.98	4.53	20	S
Silver	15.2	0.99	19.79	0	76.8	70.3-116	16.16	6.18	20	

The following samples were analyzed in this batch: 24010878-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

MBLK Sample ID: **MBLK-96481-96481** Units: **µg/Kg** Analysis Date: **1/30/2024 06:24 PM**
Client ID: Run ID: **SVMS2_240130A** SeqNo: **3288972** Prep Date: **1/29/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	ND	330								
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	58.27	1,600								J
2,4-Dinitrotoluene	ND	330								
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	ND	330								
3&4-Methylphenol	ND	330								
3,3`-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	47	1,600								J
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	41.67	1,600								J
4-Nitroquinoline 1-oxide	ND	1,600								
5-Nitro-o-toluidine	ND	330								
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

Acenaphthylene	ND	200		
Acetophenone	ND	330		
Aniline	ND	330		
Anthracene	ND	200		
Azobenzene	ND	330		
Benzidine	ND	330		
Benzo(a)anthracene	ND	100		
Benzo(a)pyrene	ND	100		
Benzo(b)fluoranthene	ND	200		
Benzo(g,h,i)perylene	ND	200		
Benzo(k)fluoranthene	ND	200		
Benzyl alcohol	ND	660		
Bis(2-chloroethoxy)methane	ND	330		
Bis(2-chloroethyl)ether	22.4	330		J
Bis(2-chloroisopropyl)ether	ND	330		
Bis(2-ethylhexyl)phthalate	ND	330		
Butyl benzyl phthalate	ND	330		
Carbazole	ND	200		
Chrysene	ND	200		
Dibenzo(a,h)anthracene	ND	100		
Dibenzofuran	ND	200		
Diethyl phthalate	ND	330		
Dimethyl phthalate	ND	330		
Di-n-butyl phthalate	ND	330		
Di-n-octyl phthalate	ND	330		
Dinoseb	ND	330		
Diphenylamine	ND	330		
Ethyl methanesulfonate	ND	330		
Fluoranthene	ND	200		
Fluorene	ND	200		
Hexachlorobenzene	ND	330		
Hexachlorobutadiene	ND	330		
Hexachlorocyclopentadiene	ND	330		
Hexachloroethane	ND	330		
Indeno(1,2,3-cd)pyrene	ND	100		
Isophorone	ND	330		
Isosafrole	ND	330		
Methapyrilene	ND	1,600		
Methyl methanesulfonate	ND	330		
Naphthalene	ND	200		
Nitrobenzene	44.4	330		J
N-Nitrosodiethylamine	ND	330		
N-Nitrosodimethylamine	ND	330		
N-Nitroso-di-n-butylamine	ND	330		
N-Nitrosodi-n-propylamine	ND	330		
N-Nitrosomethylethylamine	ND	330		
N-Nitrosomorpholine	ND	330		
N-Nitrosopiperidine	ND	330		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

N-Nitrosopyrrolidine	ND	330						
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	ND	330						
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	41.27	1,600						J
Phenacetin	ND	660						
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
Surr: 2,4,6-Tribromophenol	*5081*	0	*6660*	0	*76.3*	*14.2-136*	0	
Surr: 2-Fluorobiphenyl	*2411*	0	*3330*	0	*72.4*	*30-116*	0	
Surr: 2-Fluorophenol	*5477*	0	*6660*	0	*82.2*	*5.42-113*	0	
Surr: 4-Terphenyl-d14	*2402*	0	*3330*	0	*72.1*	*27.3-138*	0	
Surr: Nitrobenzene-d5	*2608*	0	*3330*	0	*78.3*	*23.7-109*	0	
Surr: Phenol-d6	*5514*	0	*6660*	0	*82.8*	*24.9-103*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

LCS	Sample ID: **LCS-96481-96481**				Units: **µg/Kg**			Analysis Date: **1/30/2024 06:42 PM**			
Client ID:		Run ID: **SVMS2_240130A**			SeqNo: **3288973**		Prep Date: **1/29/2024**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2399	330	3330	0	72.1	39-104	0			
1,4-Dichlorobenzene	2284	330	3330	0	68.6	38.7-95.1	0			
2,4-Dinitrotoluene	2377	330	3330	0	71.4	52.4-99.5	0			
2-Chlorophenol	2246	330	3330	0	67.4	34.7-116	0			
4-Chloro-3-methylphenol	2340	660	3330	0	70.3	32.1-109	0			
4-Nitrophenol	2474	1,600	3330	0	74.3	36.2-146	0			
Acenaphthene	2325	200	3330	0	69.8	52-119	0			
Acenaphthylene	2369	200	3330	0	71.1	46-118	0			
Anthracene	2447	200	3330	0	73.5	56-109	0			
Benzo(a)anthracene	2522	100	3330	0	75.7	48-121	0			
Benzo(a)pyrene	2552	100	3330	0	76.6	40.1-114	0			
Benzo(b)fluoranthene	2560	200	3330	0	76.9	44-115	0			
Benzo(g,h,i)perylene	2527	200	3330	0	75.9	47.9-113	0			
Benzo(k)fluoranthene	2587	200	3330	0	77.7	39.5-116	0			
Carbazole	2496	200	3330	0	75	43.3-146	0			
Chrysene	2546	200	3330	0	76.5	49.2-115	0			
Dibenzo(a,h)anthracene	2609	100	3330	0	78.3	41.7-123	0			
Fluoranthene	2547	200	3330	0	76.5	52.7-118	0			
Fluorene	2474	200	3330	0	74.3	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2704	100	3330	0	81.2	41.1-124	0			
N-Nitrosodi-n-propylamine	1511	330	3330	0	45.4	25.3-127	0			
Pentachlorophenol	2407	1,600	3330	0	72.3	22.1-105	0			
Phenanthrene	2437	200	3330	0	73.2	52.8-114	0			
Phenol	2281	330	3330	0	68.5	36.9-97.8	0			
Pyrene	2515	200	3330	0	75.5	50.7-109	0			
Surr: 2,4,6-Tribromophenol	*4741*	0	*6660*	0	*71.2*	*14.2-136*	0			
Surr: 2-Fluorobiphenyl	*2321*	0	*3330*	0	*69.7*	*30-116*	0			
Surr: 2-Fluorophenol	*4416*	0	*6660*	0	*66.3*	*5.42-113*	0			
Surr: 4-Terphenyl-d14	*2311*	0	*3330*	0	*69.4*	*27.3-138*	0			
Surr: Nitrobenzene-d5	*2329*	0	*3330*	0	*69.9*	*23.7-109*	0			
Surr: Phenol-d6	*4538*	0	*6660*	0	*68.1*	*24.9-103*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

MS	Sample ID: **24010807-06BMS**			Units: **µg/Kg**		Analysis Date: **1/30/2024 06:59 PM**			
Client ID:	Run ID: **SVMS2_240130A**			SeqNo: **3288974**		Prep Date: **1/29/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2254	330	3328	0	67.7	39-91.8	0			
1,4-Dichlorobenzene	1628	330	3328	0	48.9	32.9-90	0			
2,4-Dinitrotoluene	2211	330	3328	0	66.4	29.7-121	0			
2-Chlorophenol	1592	330	3328	0	47.8	33.3-109	0			
4-Chloro-3-methylphenol	2243	660	3328	0	67.4	35.8-116	0			
4-Nitrophenol	2132	1,600	3328	38.07	62.9	34.1-120	0			
Acenaphthene	2273	200	3328	0	68.3	44-108	0			
Acenaphthylene	2280	200	3328	0	68.5	43.6-110	0			
Anthracene	2315	200	3328	0	69.6	35.8-104	0			
Benzo(a)anthracene	2387	100	3328	0	71.7	47-114	0			
Benzo(a)pyrene	2453	100	3328	0	73.7	43.8-115	0			
Benzo(b)fluoranthene	2365	200	3328	0	71.1	40-106	0			
Benzo(g,h,i)perylene	2429	200	3328	0	73	38.2-110	0			
Benzo(k)fluoranthene	2511	200	3328	0	75.4	48.6-107	0			
Carbazole	2241	200	3328	0	67.3	28.5-114	0			
Chrysene	2433	200	3328	0	73.1	44.3-97.5	0			
Dibenzo(a,h)anthracene	2458	100	3328	0	73.8	46-116	0			
Fluoranthene	2404	200	3328	0	72.2	40.2-129	0			
Fluorene	2331	200	3328	0	70	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2572	100	3328	0	77.3	33-115	0			
Naphthalene	2284	200	3328	166.9	63.6	18.2-126	0			
N-Nitrosodi-n-propylamine	1114	330	3328	0	33.5	3.32-83.9	0			
Pentachlorophenol	2245	1,600	3328	41.27	66.2	9.31-107	0			
Phenanthrene	2328	200	3328	0	69.9	31.2-127	0			
Phenol	1635	330	3328	27.67	48.3	25.9-90.3	0			
Pyrene	2400	200	3328	0	72.1	33.7-129	0			
Surr: 2,4,6-Tribromophenol	*9301*	0	*13310*	0	*69.9*	*14.2-136*	0			
Surr: 2-Fluorobiphenyl	*4519*	0	*6656*	0	*67.9*	*30-116*	0			
Surr: 2-Fluorophenol	*6496*	0	*13310*	0	*48.8*	*5.42-113*	0			
Surr: 4-Terphenyl-d14	*4499*	0	*6656*	0	*67.6*	*27.3-138*	0			
Surr: Nitrobenzene-d5	*3320*	0	*6656*	0	*49.9*	*23.7-109*	0			
Surr: Phenol-d6	*6613*	0	*13310*	0	*49.7*	*24.9-103*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **96481** Instrument ID **SVMS2** Method: **SW8270C**

MSD	Sample ID: **24010807-06BMSD**				Units: **µg/Kg**			Analysis Date: **1/30/2024 07:17 PM**		
Client ID:		Run ID: **SVMS2_240130A**			SeqNo: **3288975**		Prep Date: **1/29/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2316	330	3334	0	69.5	39-91.8	2254	2.73		
1,4-Dichlorobenzene	2256	330	3334	0	67.7	32.9-90	1628	32.3		
2,4-Dinitrotoluene	2396	330	3334	0	71.9	29.7-121	2211	8.04		
2-Chlorophenol	2225	330	3334	0	66.7	33.3-109	1592	33.1		
4-Chloro-3-methylphenol	2364	660	3334	0	70.9	35.8-116	2243	5.24		
4-Nitrophenol	2262	1,700	3334	38.07	66.7	34.1-120	2132	5.89		
Acenaphthene	2377	200	3334	0	71.3	44-108	2273	4.46		
Acenaphthylene	2420	200	3334	0	72.6	43.6-110	2280	5.97		
Anthracene	2395	200	3334	0	71.8	35.8-104	2315	3.4		
Benzo(a)anthracene	2532	100	3334	0	75.9	47-114	2387	5.92		
Benzo(a)pyrene	2497	100	3334	0	74.9	43.8-115	2453	1.76		
Benzo(b)fluoranthene	2510	200	3334	0	75.3	40-106	2365	5.96		
Benzo(g,h,i)perylene	2458	200	3334	0	73.7	38.2-110	2429	1.22		
Benzo(k)fluoranthene	2599	200	3334	0	77.9	48.6-107	2511	3.46		
Carbazole	2265	200	3334	0	67.9	28.5-114	2241	1.06		
Chrysene	2540	200	3334	0	76.2	44.3-97.5	2433	4.28		
Dibenzo(a,h)anthracene	2526	100	3334	0	75.8	46-116	2458	2.76		
Fluoranthene	2498	200	3334	0	74.9	40.2-129	2404	3.84		
Fluorene	2510	200	3334	0	75.3	42.8-106	2331	7.39		
Indeno(1,2,3-cd)pyrene	2614	100	3334	0	78.4	33-115	2572	1.62		
Naphthalene	2401	200	3334	166.9	67	18.2-126	2284	4.99		
N-Nitrosodi-n-propylamine	1492	330	3334	0	44.7	3.32-83.9	1114	29		
Pentachlorophenol	2349	1,700	3334	41.27	69.2	9.31-107	2245	4.49		
Phenanthrene	2437	200	3334	0	73.1	31.2-127	2328	4.58		
Phenol	2242	330	3334	27.67	66.4	25.9-90.3	1635	31.3		
Pyrene	2469	200	3334	0	74	33.7-129	2400	2.81		
Surr: 2,4,6-Tribromophenol	*4855*	0	*6669*	0	*72.8*	*14.2-136*	9301	*62.8*		
Surr: 2-Fluorobiphenyl	*2358*	0	*3334*	0	*70.7*	*30-116*	4519	*62.9*		
Surr: 2-Fluorophenol	*4379*	0	*6669*	0	*65.7*	*5.42-113*	6496	*38.9*		
Surr: 4-Terphenyl-d14	*2281*	0	*3334*	0	*68.4*	*27.3-138*	4499	*65.4*		
Surr: Nitrobenzene-d5	*2321*	0	*3334*	0	*69.6*	*23.7-109*	3320	*35.4*		
Surr: Phenol-d6	*4563*	0	*6669*	0	*68.4*	*24.9-103*	6613	*36.7*		

The following samples were analyzed in this batch:

24010878-01B	24010878-02B	24010878-03B
24010878-04B	24010878-05B	24010878-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **R225693** Instrument ID **VMS2** Method: **SW8260B**

MBLK	Sample ID: **MBLKR-R225693**				Units: **µg/Kg**		Analysis Date: **1/30/2024 04:04 PM**			
Client ID:		Run ID: **VMS2_240130A**			SeqNo: **3289017**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R225693** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*48.94*	0	*50*	0	*97.9*	*60-140*	0
Surr: Dibromofluoromethane	*50.3*	0	*50*	0	*101*	*60-140*	0
Surr: Toluene-d8	*54.51*	0	*50*	0	*109*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **R225693** Instrument ID **VMS2** Method: **SW8260B**

LCS	Sample ID: **LCSR-R225693**				Units: **µg/Kg**			Analysis Date: **1/30/2024 02:31 PM**		
Client ID:	Run ID: **VMS2_240130A**				SeqNo: **3289013**	Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.32	5.0	50	0	103	53.6-149	0			
1,1-Dichloroethene	47.94	5.0	50	0	95.9	38.8-176	0			
1,2-Dichloroethane	57.01	5.0	50	0	114	54.4-145	0			
1,3-Dichlorobenzene	57.83	5.0	50	0	116	58.4-144	0			
1,4-Dichlorobenzene	57.36	5.0	50	0	115	55.3-144	0			
Benzene	53.98	5.0	50	0	108	56-148	0			
Carbon tetrachloride	53.5	5.0	50	0	107	51.9-151	0			
Chlorobenzene	56.04	5.0	50	0	112	55.4-137	0			
Chloroform	52.5	5.0	50	0	105	51.1-147	0			
cis-1,2-Dichloroethene	53.09	5.0	50	0	106	47.6-149	0			
Ethylbenzene	54.29	5.0	50	0	109	55.8-142	0			
m,p-Xylene	109.9	10	100	0	110	57.6-141	0			
Styrene	56	5.0	50	0	112	59.6-143	0			
Tetrachloroethene	42.94	5.0	50	0	85.9	35.6-132	0			
Toluene	54.48	5.0	50	0	109	56-143	0			
Trichloroethene	54.51	5.0	50	0	109	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.08*	0	*50*	0	*100*	*60-140*	0			
Surr: Dibromofluoromethane	*48.3*	0	*50*	0	*96.6*	*60-140*	0			
Surr: Toluene-d8	*50.6*	0	*50*	0	*101*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **R225693** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24010807-02 MS** Units: **µg/Kg** Analysis Date: **1/30/2024 02:54 PM**
Client ID: Run ID: **VMS2_240130A** SeqNo: **3289014** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	38.59	5.0	50	0	77.2	66.9-140	0			
1,1-Dichloroethene	35.6	5.0	50	0	71.2	41.4-161	0			
1,2-Dichloroethane	51.48	5.0	50	0	103	58.9-137	0			
1,3-Dichlorobenzene	45.68	5.0	50	0	91.4	42.5-150	0			
1,4-Dichlorobenzene	45.98	5.0	50	0	92	52.1-137	0			
Benzene	43.81	5.0	50	0	87.6	35.8-162	0			
Carbon tetrachloride	39	5.0	50	0	78	53.2-137	0			
Chlorobenzene	46.83	5.0	50	0	93.7	65.6-137	0			
Chloroform	44.34	5.0	50	0	88.7	58-130	0			
cis-1,2-Dichloroethene	44.77	5.0	50	0	89.5	52.9-138	0			
Ethylbenzene	42.45	5.0	50	0	84.9	57.5-134	0			
m,p-Xylene	86.11	10	100	0	86.1	56.4-135	0			
Styrene	46.51	5.0	50	0	93	60.9-135	0			
Tetrachloroethene	32.82	5.0	50	0	65.6	28.3-109	0			
Toluene	41.96	5.0	50	0	83.9	67.7-135	0			
Trichloroethene	42.34	5.0	50	0	84.7	56.5-136	0			
Surr: 4-Bromofluorobenzene	*49.17*	0	*50*	0	*98.3*	*60-140*	0			
Surr: Dibromofluoromethane	*48.3*	0	*50*	0	*96.6*	*60-140*	0			
Surr: Toluene-d8	*48.55*	0	*50*	0	*97.1*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Pandey Environmental, LLC
Work Order: 24010878
Project: 937 Ferndale Place

QC BATCH REPORT

Batch ID: **R225693** Instrument ID **VMS2** Method: **SW8260B**

MSD	Sample ID: **24010807-02 MSD**				Units: **µg/Kg**			Analysis Date: **1/30/2024 03:17 PM**		
Client ID:		Run ID: **VMS2_240130A**			SeqNo: **3289015**	Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	37.49	5.0	50	0	75	66.9-140	38.59	2.89	31.2	
1,1-Dichloroethene	36.58	5.0	50	0	73.2	41.4-161	35.6	2.72	38.1	
1,2-Dichloroethane	48.33	5.0	50	0	96.7	58.9-137	51.48	6.33	26.2	
1,3-Dichlorobenzene	43.77	5.0	50	0	87.5	42.5-150	45.68	4.28	21	
1,4-Dichlorobenzene	43.98	5.0	50	0	88	52.1-137	45.98	4.45	28.7	
Benzene	42.22	5.0	50	0	84.4	35.8-162	43.81	3.69	23.6	
Carbon tetrachloride	38.32	5.0	50	0	76.6	53.2-137	39	1.75	32.3	
Chlorobenzene	43.97	5.0	50	0	87.9	65.6-137	46.83	6.29	20	
Chloroform	42.38	5.0	50	0	84.8	58-130	44.34	4.52	28.2	
cis-1,2-Dichloroethene	42.61	5.0	50	0	85.2	52.9-138	44.77	4.95	23.7	
Ethylbenzene	40.9	5.0	50	0	81.8	57.5-134	42.45	3.71	24.9	
m,p-Xylene	82.33	10	100	0	82.3	56.4-135	86.11	4.49	25.1	
Styrene	43.65	5.0	50	0	87.3	60.9-135	46.51	6.34	22.8	
Tetrachloroethene	32.08	5.0	50	0	64.2	28.3-109	32.82	2.28	24.7	
Toluene	41.93	5.0	50	0	83.9	67.7-135	41.96	0.0715	20	
Trichloroethene	41.04	5.0	50	0	82.1	56.5-136	42.34	3.12	20	
Surr: 4-Bromofluorobenzene	*50.65*	0	*50*	0	*101*	*60-140*	49.17	*2.98*		
Surr: Dibromofluoromethane	*48.3*	0	*50*	0	*96.6*	*60-140*	48.3	*0.0166*		
Surr: Toluene-d8	*49.64*	0	*50*	0	*99.3*	*60-140*	48.55	*2.2*		

The following samples were analyzed in this batch:

24010878-01A	24010878-02A	24010878-03A
24010878-04A	24010878-05A	24010878-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 02-Feb-24

Client: Pandey Environmental, LLC
Project: 937 Ferndale Place
WorkOrder: **24010878**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
% of sample	
µg/Kg-dry	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **PANDEYENVIRONMENTAL-COL** Date/Time Received: **26-Jan-24 13:00**

Work Order: **24010878** Received by: **AB1**

Checklist completed by Alec Bolender (eSignature) 26-Jan-24 (Date) Reviewed by: Shawn Smythe (eSignature) 26-Jan-24 (Date)

Matrices: soil

Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.5	120489	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

Page 1 of 1

57384

REV 10/2017

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24010878

Ship To:

[X] REGULAR Status [ ] RUSH Status — RESULTS REQUIRED BY: (Date) ____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: [X] YES [ ] NO BUSTR: [ ] YES [X] NO NELAC: [X] YES [ ] NO

Date: January 24, 2024
Purchase Order No.:
Company Name: PANDEY Environmental, LLC
Project No.:
Address: 6277 Riverside Dr Suite 2 South
Sampling Site: 937 Ferndale Place
Dublin (City) OH (State) 43017 (Zip)
Person to Contact: Jason Martin
Billing Address (if different):
Email Address: Jmartin@pandeyenvironmental.com
Telephone ( ): 6144448078
Alternate Contact: Dragus@pandeyenvironmental.com

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED: VOCs	SVOCs	RCRA metals
1	937 Ferndale:SB-1:6-8	1/24/24	9:52	-	S	3	X	X	X
2	937 Ferndale:SB-2:4-6	1/24/24	9:39	-	S	3	X	X	X
3	937 Ferndale:SB-3:2-4	1/24/24	9:25	-	S	3	X	X	X
4	937 Ferndale:SB-4:2-4	1/24/24	9:05	-	S	3	X	X	X
5	937 Ferndale:SB-5:2-4	1/24/24	8:45	-	S	3	X	X	X
6	937 Ferndale:SB-6:6-8	1/24/24	8:25	-	S	3	X	X	X

Notes:

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
Jason Rayburn	1256 1/25/24		1256 1-25-24
	244 1-26-24	ALS	1/26/24 700

ALS LAB USE ONLY 120489

COOLER TEMP: 4.5 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Affidavit by Accredited Lab Pursuant to OAC 3745-300-13(P)

[For VAP laboratories to attest to "accredited data" under OAC 3745-300-13(P) and OAC 3745-300-01(A)(2). Note that Ohio EPA is to receive a legible copy of the AL's affidavit. The entity that received the AL's analytical report under affidavit may retain the AL's affidavit original.]

State of Ohio)
) ss:
County of Clermont)

I, Tracey Earle, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by ALS Environmental ("the laboratory") as Quality Assurance Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. ALS Environmental performed analyses for Pandey Environmental, LLC for a voluntary action at property known as the Ferndale Place project located at 937 Ferndale Place Bexley, OH 43209.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

ALS Work Order ID	Date of Document
24010878-VOCs (SW8260B)	2/2/24
24010878-SVOCs (SW8270C)	2/2/24
24010878-Metals (SW6010B)	2/2/24
24010878-Hg (SW7471A)	2/2/24

6. ALS Environmental was a VAP accredited laboratory pursuant to OAC 3745-300-01(A)(2) when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "accredited data" as described in OAC 3745-300-01(A)(2) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current accredited laboratory requirements. The laboratory was accredited for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as required.

   b. Exceptions, if any: The laboratory was not accredited for the following analysis:

ALS Work Order #	Analyte / Parameter Group	Method
24010878	Moisture	SM2540B

8. The information, data, documents, and reports identified under this affidavit are true, accurate and complete.

8. The information, data, documents, and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Tracey Earle
Signature of Affiant

Sworn to before me and subscribed in my presence this 5th day of February, 2024.

Beth Severeid
Notary Public

NOTARY SEAL STATE OF OHIO

BETH RAE SEVEREID
Notary Public, State of Ohio
My Commission Expires August 1, 2024

APPENDIX B
FIELD SHEETS

PANDEY ENVIRONMENTAL, LLC

6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

ENVIRONMENTAL SOIL BORE LOG

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-1
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
					0	15	brown/ soft clay loam w/ gravel	Staining Present: Y / **N** Type: Odor Present: Y / **N** Type: Moisture Type: DRY / **MOIST** / SATURATED
				2'				
					0	15	black and grey silty clay loam w/ intermittent gravel	Staining Present: **Y** / N Type: slight Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				4'				
					0	30	black and grey silty clay loam w/ intermittent gravel	Staining Present: **Y** / N Type: slight Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				6'				
					0.2	30	black and grey silty clay loam w/ intermittent gravel (larger rock towards 6.5') wet brown clay at 7.5'	Staining Present: **Y** / N Type: slight Odor Present: Y / **N** Type: Moisture Type: DRY / **MOIST** / **SATURATED**
				8'				
					0	80	light brown clay loam with sand/gravel towards 9.5'	Staining Present: **Y** / N Type: minimal Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				10'				
								Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				
								Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				
								Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

ENVIRONMENTAL SOIL BORE LOG

PANDEY ENVIRONMENTAL, LLC
6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-2
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
					0	50	silt loam w/ organics (dark brown) and limestone channers	Staining Present: Y / **N** Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				2'	0.3	50	black gravelly loam w/ brick	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				4'	0.5	20	black gravelly loam w/ brick	Staining Present: **Y** / N Type: black Odor Present: **Y** / N Type:slight Moisture Type: **DRY** / MOIST / SATURATED
				6'	0.2	20	black gravelly clay loam	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				8'	0	40	black silt and brown clay lighter clay at 9'	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				10'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

ENVIRONMENTAL SOIL BORE LOG

PANDEY ENVIRONMENTAL, LLC
6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-3
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
					0	30	organic material to 0.25' silt loam w/ channers	Staining Present: **Y** / N Type: slight Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				2'	0.4	30	silty gravel w/ channers black and red staining	Staining Present: **Y** / N Type: Extensive Odor Present: **Y** / N Type: slight Moisture Type: **DRY** / MOIST / SATURATED
				4'	0.1	40	silty gravel w/ channers black staining higher clay at 5.5' (brown)	Staining Present: **Y** / N Type: slight/black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				6'	0	40	silty gravel w/ channers black staining higher clay at 5.5' (brown)	Staining Present: **Y** / N Type: slight/black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				8'	0	80	lighter brown clay w/ intermittent gravel	Staining Present: Y / **N** Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				10'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

PANDEY
ENVIRONMENTAL, LLC
6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

ENVIRONMENTAL SOIL BORE LOG

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-4
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR
	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
	[redacted]	[redacted]			0.2	50	mixed landfill waste (gravel/brick/plastic) black sand and silty clay	Staining Present: **Y** / N Type: black Odor Present: **Y** / N Type: Moisture Type: **DRY** / MOIST / SATURATED
				2'	0.3	50	brown silty clay with black staining	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				4'	0.1	20	gravelly silt loam w/ wood present	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				6'	0	20	gravelly silt loam w/ wood present	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				8'	0	40	brown clay to black sand/clay at 9.5'	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				10'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

ENVIRONMENTAL SOIL BORE LOG

PANDEY ENVIRONMENTAL, LLC
6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-5
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
					0.1	40	silty brown clay w/ intermittent gravel intermittent black staining	Staining Present: **Y** / N Type: slight/ black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				2'	0.4	40	black sand from 2'-3' stained silty clay and gravel	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				4'	0.2	20	stained silty clay and gravel gravel at 5.75' w/ red staining	Staining Present: **Y** / N Type: red/black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				6'	0	20	wet sandy clay w/ black gravel	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: DRY / **MOIST** / SATURATED
				8'	0	80	wet sandy clay w/ black gravel to 9' brown clay w/ intermittent gravel and red clay	Staining Present: **Y** / N Type: slight/ black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				10'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

PANDEY
ENVIRONMENTAL, LLC
6277 Riverside Drive, Suite 2 South
Dublin, Ohio 43017 614-444-8078

ENVIRONMENTAL SOIL BORE LOG

Site: Bexley- Ferndale Properties	Bore ID: 937 Ferndale:SB-6
Date Drilled: 1/24/24	Drill Rig: Geoprobe 7822 DT
Weather: 50 F & Rain	Auger Diam: N/A
Co-located MW/SG: N/A	Sampler Type: N/A
Location:	Logged By: DMR
	Sampler Size: N/A

Auger	Rod Depth	Soil Sampled	Sample Sent	Depth	VOC (ppm)	% Recovery	Soil Description	
					0.1	10	gravelly silt loam w/ minimal organics in top 0.5'	Staining Present: **Y** / N Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / **MOIST** / SATURATED
				2'	0.1	10	gravelly silt loam w/ brick intermittent	Staining Present: **Y** / N Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				4'	0	40	brown clay to black clay wood @ 5'	Staining Present: **Y** / N Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				6'	0.4	40	brown clay w/ black staining + red brick at 8'	Staining Present: **Y** / N Type: black Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				8'	0.1	100	brown clay w/ iron oxides and larger gravel	Staining Present: Y / **N** Type: Odor Present: Y / **N** Type: Moisture Type: **DRY** / MOIST / SATURATED
				10'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				12'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED
				14'				Staining Present: Y / N Type: Odor Present: Y / N Type: Moisture Type: DRY / MOIST / SATURATED

Notes:
TOTAL DEPTH: 10'

APPENDIX C
RESUMES OF ENVIRONMENTAL PROFESSIONALS

Atul Pandey, P.E., C.P., M.S.

President

Mr. Pandey is the President and CEO of PANDEY Environmental, LLC. His area of expertise includes site assessment, remediation, brownfield redevelopment, and urban conservation. Mr. Pandey has more than 20 years of experience performing Phase I, II, and III site assessments, underground storage tank removals, closure, assessment, and corrective action, RCRA closures and corrective actions, Ohio EPA Voluntary Action Program No Further Action Letters, Clean Ohio Fund Site Assessments and general site assessment and remediation tasks. Clients have included municipalities, federal and state agencies, commercial and industrial realtors, bankers, insurance companies and real estate developers.

Mr. Pandey has worked for Ohio EPA, where he developed the Ohio EPA VAP Generic Leaching Guidance Document used by the Voluntary Action Program. He also worked in Ohio EPA's Southwest District Office of Division of Solid and Infectious Waste Management, located in Dayton, Ohio.

Prior to forming PANDEY Environmental, LLC in 2002, Mr. Pandey technically and administratively supervised a multi-disciplinary team of seven professionals at a private consulting firm. Projects included Phase I and II environmental site assessments, underground storage tank closures, corrective actions, risk assessments, RCRA closures and corrective actions, landfill groundwater monitoring and assessment programs, and Voluntary Action Program projects.

Mr. Pandey has also authored multiple publications.

EDUCATION:

University of Cincinnati, Ohio
Master of Science in Environmental Engineering, 1993
Thesis Title: Effect of Swelling Percentages on the Shear Strength of Compacted Clay Liners

University of Delhi, India
Bachelor of Science in Civil Engineering, 1991
Emphasis: Environmental Engineering

CERTIFICATIONS

- Registered Professional Engineer, States of Ohio and South Carolina, Environmental Engineering
- State of Ohio Voluntary Action Program, Certified Professional, Certification #CP224
- Qualified as an Environmental Professional under "All Appropriate Inquires" (AAI) Rule
- 40 hour HAZWOPER certified (29 CFR 1910.120)

CAREER HIGHLIGHTS/ACCOMPLISHMENTS

- Issued twenty-one (21) VAP NFA letters, twenty (20) of which have received Covenants Not to Sue (one NFA was recently issued and the CNS is pending Ohio EPA review).
- Prepared five (5) successful Urban Setting Designation Requests.

- Authored Ohio EPA VAP Generic Leaching Guidance Document; this document is currently being used in the state of Ohio by VAP Certified Professionals as a standard to evaluate leaching of vadose zone contaminants under VAP and RCRA programs.
- Selected by the Ohio EPA in April 2005 to represent all Ohio EPA Certified Professionals (Brownfield Licensed Professionals) to the Hazardous Waste division of the Ohio EPA. This prestigious recognition was made due to extensive experience with multiple programs of the Ohio EPA including the Voluntary Action Program (Brownfields Program), and programs under the Division of Hazardous Waste and the Division of Solid Waste.

PROFESSIONAL EXPERIENCE

10/02 to present *President, PANDEY Environmental, LLC*

Mr. Pandey founded PANDEY Environmental, LLC to provide fast, reliable, and expert environmental site assessment services to commercial and industrial clients at a competitive price. Services provided by the consulting company include but are not limited to Phase I, II Environmental Site Assessments, Underground Storage Tank Removal, Closure, and Corrective Action, Voluntary Action Program Site Assessments, Clean Ohio Fund Application Preparation and Site Assessments, Expert Witness Services, Risk Assessment Services, Fate and Transport Modeling, and VAP Certified Professional Services.

11/98 to 9/02 *Vice President/Senior Engineer, Smalley & Associates, Inc.*

Duties and responsibilities included supervising a multi-disciplinary team of 7 professionals that were involved in various projects ranging from Phase I and II environmental site assessment, underground storage tank closure, corrective action, and risk assessment, RCRA closures and corrective action, landfill groundwater monitoring and assessment programs, and Voluntary Action Program projects; Also responsible for professional development of these individuals.

Duties also included managing the operations of a full service Ohio EPA VAP certified analytical laboratory and drilling crew. Additional responsibilities included business development and client interface for Ohio VAP and RCRA projects.

In this position, issued eleven (11) No Further Action letters under Voluntary Action Program to Ohio EPA for the following properties; all of these properties have successfully obtained VAP Covenants Not to Sue.

11/96 to 11/98 *Environmental Engineer, Ohio EPA Voluntary Action Program*

General responsibilities included assessment of No Further Action Letters prepared by Certified Professionals conducting voluntary actions at properties with hazardous substances and petroleum contamination; determining RCRA corrective action eligibility of the properties for the Voluntary Action Program, and assessing leaching of petroleum constituents and other contaminants; providing technical assistance to Certified Professionals, volunteers, and other parties interested in voluntary action; managing field audits of properties that have received Covenants Not to Sue.

At the Ohio EPA's Division of Solid and Infectious Waste Management, general responsibilities included reviewing and evaluating Permit to Install applications and detail plans for all types of solid and

infectious waste facilities making recommendations for approval or denial; directing the inspectors in conducting the solid waste compliance monitoring program; providing technical assistance to local governments , citizens, industry, and others regarding solid and infectious waste management; also spoke at public meetings on solid waste permitting issues.

1/92 to 11/96 Project Engineer, Science Applications International Corporation

Responsibilities as a project engineer included project management and team support, budget control, report preparation, negotiations with state and federal regulatory agencies, vendor and consultant oversight, and working on site remediation and compliance issues. Select project experience includes:

- Identified, screened, and evaluated remedial technologies for RCRA CMS or CERCLA RI/FS; conducted the same for four solid waste management units at Portsmouth US DOE site with soil and/or groundwater contamination; also negotiated corrective action scope with regulatory agencies and co-authored the CMS reports.
- Managed and supervised a $500,000 contract for conducting a pilot scale treatability study of measuring enhancements to groundwater flow using an innovative technology (pneumatic fracturing) ; developed work plan, support plans (HSP, QAPjP, SAP), and summary report.
- Managed a $200,000 project dealing with a field and laboratory investigation to establish adsorptive and natural attenuation characteristics at a superfund site.
- Developed a database to facilitate air emissions reporting and permitting for over 250 sources in accordance with Title V requirements of the Clean Air Act for a synthetic organic chemical manufacturer in southern Ohio; created data architecture, conducted the beta-test on the database software, and created chemical process-specific user's guides.
- Facilitated compliance with RCRA Subtitle CC regulations at a chemical manufacturer's facility; also prepared the SARA 313, fee emission, and Title V reports for the facility.
- Served as Technical Advisor to the State of Ohio, Environmental Protection Agency's modeling subgroup of the generic standards subcommittee charged with the development of generic deep soil cleanup levels across the state in accordance with the requirements of Senate Bill 221 (Brownfields); conducted all of the modeling on this project using an unsaturated soil zone leaching model (SESOIL); also authored the associated technical guidance documents.
- Constructed and calibrated groundwater flow models using MAGNAS3 and FRAC3DVS codes for groundwater plumes at the US DOE site; evaluated remedial alternatives with these models.

PUBLICATIONS

Pandey, A., Hetrick, D.M., and Khan, A., Innovative Approach Proposed for Evaluating Risks due to Soil Contamination, SESOIL - A Decade, Amherst Scientific Publishers, 1996.

Pandey, A., Cherry, E., Steigerwald, V., and Pickrel, C., Groundwater Protection and Soil Remediation, Fifth Annual Business and Industry's Environmental Symposium - Conference Proceedings, Cincinnati, 1996.

Pandey, A. et al., Innovative Approach Developed for Deriving Leach-Based Soil Cleanup Values Protective of Groundwater, 12th Annual Conference on Contaminated Soils, University of Massachusetts at Amherst, 1997.

Hetrick, D. and Pandey, A., A methodology for establishing cleanup objectives in the saturated soil zone using sensitivity and uncertainty analysis for chemical fate and transport, Journal of Soil Contamination, 8(5):559-576, 1999

ENGINEERING & MODELING SOFTWARE

Proficient with a wide range of environmental modeling software including MODFLOW, MAGNAS3, FRAC3DVS, MT3D, SAS, SURFER, GeoEAS, HELP, SESOIL, CHEMFLO, VLEACH, RITZ, PESTAN, Summers, AT123D, EnCompass, GARDS, SIMS, HonRuler, TANKS, and STARSHIP (Title V); advanced knowledge of Microsoft EXCEL and SURFER programs.

Also taught 3-day modeling course entitled “Application of SESOIL in Ohio EPA’s Voluntary Action Program” in June, 1999 to Certified Professionals and other consultants.

Dominic Ragusa

Environmental Scientist

As an Environmental Scientist, Mr. Ragusa regularly performs ASTM or Ohio EPA VAP Phase I and Phase II site assessments. He regularly conducts active site assessment for the investigation of contamination within commercial/ industrial/ residential sites. This includes, but is not limited to the collection of soil, air and groundwater media and the preparation of associated reporting. Similarly, he provides oversight and instruction to subcontracted companies working to reclaim/remediate contaminated commercial/ industrial sites. Other duties include budget tracking and management of remedial media.

EDUCATION:

West Virginia University - Morgantown, WV
Bachelor of Science in Environmental, Soil and Water Science
Emphasis: Soil and Water Conservation

SPECIALIZED TRAINING/ PROFESSIONAL AFFILIATIONS:

- 40 Hour OSHA HAZWOPER Training (29 CFR 1910.120)

CAREER HIGHLIGHTS/ACCOMPLISHMENTS

- Suitability analysis for post reclamation surface mines as part of the Division of Plant and Soil Sciences Graduate Research Program at West Virginia University.
- He assisted in analysis and sample collection for the Division of Plant and soil Sciences Soil Testing Laboratory as an undergraduate assistant for two Masters of Soil Sciences Candidates.
- As a Hazwoper technician at Envirotrac Ltd. he assisted in hazardous waste spill response, phase 2 processes such as excavation oversight, delineation, soil conductivity field analysis, regulatory and clearance soil sampling, and general safety oversight.
- Mr. Ragusa consulted on a large Phase II and active remediation site for an overturned tractor-trailer carrying Fracking Production Liquid.
- Management of a multimillion-dollar remediation project, encompassing three properties through the OHIO Voluntary Action Program (VAP).
- Oversight and development of groundwater well and soil gas point installation, as well as soil lithology bore cataloging and field screening.

PROFESSIONAL EXPERIENCE

06/22 to present *Environmental Scientist, PANDEY Environmental, LLC*

Duties and responsibilities include phase I and II site assessments, remediation oversight, field sampling and collection of soil, air and groundwater samples, general risk assessment for a variety of commercial/industrial clientele and the preparation of various environmental documents through the Ohio Voluntary Action Program.

05/21 to 08/21 *Hazwoper/ Environmental Technician, Envirotrac Ltd*

Duties and responsibilities included but were not limited to, phase II site assessments, general risk assessment, confined space safety operation, hazardous and otherwise waste removal, 24/7 emergency spill response, regulatory clearance soil sampling.

05/19 to 08/19 *Seasonal Park Technician, Columbus Metropolitan Park District*

Duties and responsibilities included maintenance of grounds, construction of habitat under the federal migratory bird act, provide customer service through knowledge of park rules and answers to general inquiry, maintenance of company vehicles.

ENGINEERING & MODELING SOFTWARE

Knowledge of Microsoft Office (including Word, Outlook, Excel, PowerPoint) and Microsoft Access database management. Usage of GIS (ESRI ArcMap) and soils mapping software (Web Soil Survey).

APPENDIX D
GROUNDWATER RESOURCES MAP AND ODNR WATER WELL LOGS

Ground Water Resources of FRANKLIN COUNTY

by

James J. Schmidt

1 0 1 2 Miles

1 0 1 2 Kilometers

CONTOUR INTERVAL 10 FEET

County Line

Township Line

Gravel Pit/Quarry

Disturbed Land

Well Yields

AREAS IN WHICH YIELDS OF 500 TO 1000 OR MORE GALLONS PER MINUTE MAY BE DEVELOPED.

Areas having greatest potential for development of municipal and industrial ground water supplies. Extensive test drilling necessary to locate relatively thick, permeable deposits at depths ranging from 60 to 115 feet. Yields in excess of 1000 gallons per minute developed from large diameter wells.

AREAS IN WHICH YIELDS OF 100 TO 500 GALLONS PER MINUTE MAY BE DEVELOPED.

Limestone–dolomite bedrock is the principal source of supply in the western third of the county. Yields of as much as 250 gallons per minute are developed at depths of less than 300 feet, with greater yields but usually poorer quality at depths of more than 400 feet. Domestic and small industrial supplies of 15 to 25 gallons per minute are available at depths of 65 to 175 feet. Overlying glacial deposits of sand and gravel may yield as much as 20 gallons per minute at depths of about 90 feet.

Regionally extensive, thick, permeable deposits of sand and gravel may yield as much as 500 gallons per minute to large diameter screened wells. Extensive test drilling is recommended to locate coarse deposits at depths of 30 to 200 feet. Bedrock is non-water-bearing shale.

Ground water is obtained from permeable sand and gravel deposits overlaying limestone bedrock. Wells may be developed at depths of 50 to 120 feet or developed in the bedrock at depths of 225 feet to yield as much as 350 gallons per minute.

AREAS IN WHICH YIELDS OF 25 TO 100 GALLONS PER MINUTE MAY BE DEVELOPED.

Lenses of sand and gravel thinly scattered in the thin to thick layers of clayey till which overlies non-water-bearing Mississippian or Devonian shale. Properly constructed screened wells may yield 25 to 100 gallons per minute at average depths of 80 to 135 feet, but ranging in depth to 225.

AREAS IN WHICH YIELDS OF 5 TO 25 GALLONS PER MINUTE MAY BE DEVELOPED.

Ground water supplies developed at depths of 60 to 75 feet in the Mississippian sandstone or sandstone and shale bedrock. Yields seldom exceed 20 gallons per minute, although exceptional yields to large diameter wells have exceeded 100 gallons per minute at depths of about 170 feet.

Thin lenses of sand and gravel sparsely interbedded in thick deposits of clayey till. Yields of 5 to 25 gallons per minute may be developed at depths of 25 to more than 150 feet. Exceptional yields are logged at depths of 130 feet. Thick deposits of fine sand and silty clay often prevent the development of domestic supplies at depths of 200 to 300 feet. Wells in Perry Township not encountering a usable aquifer in the glacial deposits may obtain a ground water supply from the limestone bedrock which occurs at depths of 110 to 260 feet below the surface.

AREAS IN WHICH YIELDS OF 3 TO 10 GALLONS PER MINUTE MAY BE DEVELOPED.

Basal portion of shaley sandstone fringe zone of the Berea sandstone yields 4 to 6 gallons per minute from a very limited area at depths of less than 65 feet.

Very limited and often quite shallow glacial deposits of sand and gravel overlying shale bedrock of eroded ancestral drainage channel. Potential yields may not exceed 5 gallons per minute at depths of 15 to 35 feet.

AREAS IN WHICH YIELDS OF LESS THAN 2 GALLONS PER MINUTE MAY BE DEVELOPED.

Devonian and Mississippian shale bedrock yields less than 2 gallons per minute at depths of less than 100 feet. Occasionally, thin lenses of sand and gravel may be encountered near the surface of the weathered shale at depths of 18 to 45 feet and yield as much as 5 gallons per minute. If sand and gravel is not present, home owners rely upon cisterns and additional storage to develop a supply for peak demand. Devonian limestone beneath the shale in Perry and Sharon Townships yield larger supplies. Proper well construction may deter presence of hydrogen sulfide.

Areas which may contain hydrogen sulfide in the limestone bedrock and Berea sandstone. Ground water in the limestone bedrock may also be highly mineralized; however, this water is potable and free of excessive chlorides.

Ancestral buried bedrock channels partially filled with clay and sand and gravel as much as 260 feet overlying limestone bedrock.

Relatively thick lenses of fine silty sand in buried valley deposits.

Well Site Symbols

WELL INFORMATION
(SEE NOTE)

DEPTH (ft.) Total depth of well in feet.
AQUIFER TYPE Water–bearing formation
YIELD (gpm) Amount of water a well produces in gallons per minute.
WELL SITE Approximate well location
75-SS-20
26
DEPTH TO BEDROCK (ft.) Depth to bedrock in feet.

WELL TYPES

- Well Site
- Municipal-Industrial Well
- Observation Well Site *
- Test Well**
- A Chemical Analyses

AQUIFER TYPES

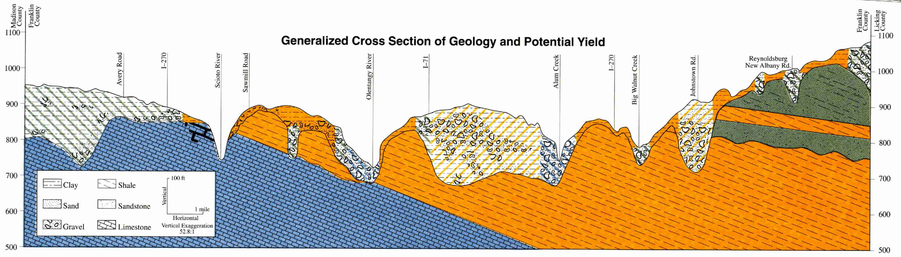
S – Sand
G – Gravel
SG – Sand & Gravel
SS – Sandstone
SH – Shale
LS – Limestone
CL – Clay
FS – Fine Sand

Chemical Analysis Table

Well Site	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Depth	93	230	–	40	92	67	444	175	211	175	180	400	81	86	340	63	214	260	290	98	232	35
Aquifer	LS	LS	S&G	S&G	–	SS	LS	LS	LS	LS	LS	LS	S&G	S&G	LS	SS	LS	LS	LS	S&G	S&G	S&G
Iron	6.1	2.7	5.8	3.0	4.0	2.8	.04	.55	.59	3.6	.58	.77	2.4	4.2	1.0	.39	1.6	1.2	–	2.9	1.9	.75
Hardness as $CaCO^3$	1930	1500	574	452	501	279	2090	443	317	384	530	1730	390	560	620	528	925	1305	745	316	390	302
Dissolved Solids	–	–	–	600	591	364	4950	500	595	519	662	2462	425	740	831	718	1428	1716	986	354	434	390
Sulfate	1520	870	–	155	116	98	1180	102	85	124	229	1451	50	–	400	250	594	942	520	53	28	24
Chloride	–	12	36	21	2.5	4.3	1820	2.0	11	3.0	14	45	7.5	77	1.7	5.2	137	38	5.0	2.4	6.0	2.8
Fluoride	–	–	–	.4	.6	.3	.9	1.1	1.0	2.1	1.1	1.8	.5	.2	1.8	.2	.5	1.4	.6	.1	.4	1.4
Hydrogen Sulfide	–	–	–	–	–	Trace	–	–	1.7	–	–	.7	–	–	–	3.4	3.0	22	–	–	–	–

Chemical constituents as milligrams per liter (mg/l)
A– casing set @ 36 feet.
B– casing set @ 175 feet. (thru Columbus Limestone)
G– sodium 967

Generalized Cross Section of Geology and Potential Yield



*Observation well sites indicate the location of wells used to collect ground water level information. These wells are part of the state observation well network. Hydrographs of the water levels recorded in these and other State observation wells can be obtained through ODNR–Division of Water.

**Test well sites indicate the location of a test well that was part of a regioinal ground water study. Detailed lithologic logs, water quality analysis and pumping test information for these wells may be available from ODNR–Division of Water.

NOTE

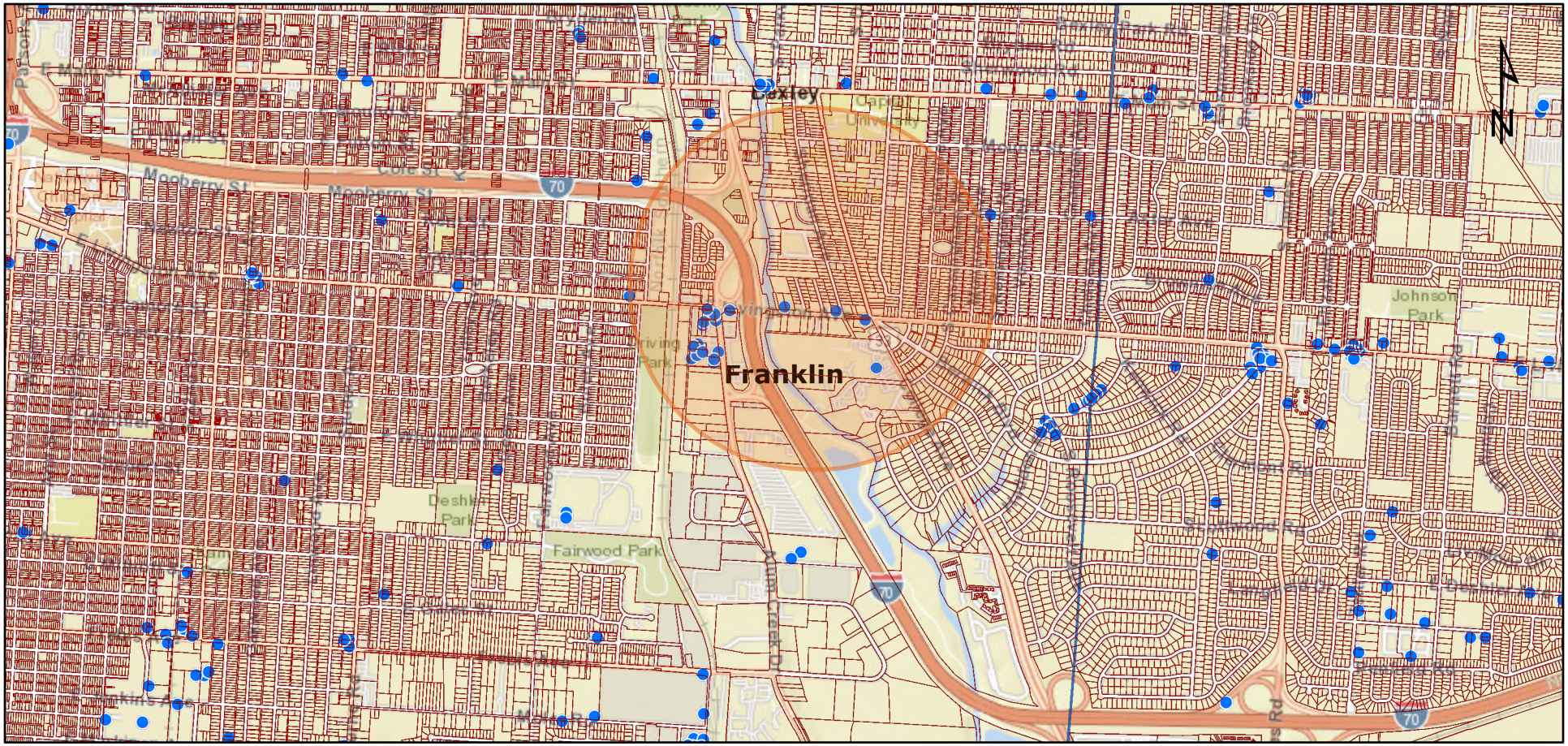
The ground water characteristics have been mapped regionally, based upon interpertations of water well records and the area's geology and hydrology. Mapped well sites were selected as typical for the areas shown.
Information regarding specific sites may be obtained from ODNR–Division of Water.

Published 1958
Revised 1993
Ohio Department of Natural Resources
Division of Water
Ground Water Resources Section
1939 Fountain Square
Columbus, Ohio 43224

David S. Orr, Cartographer

George V. Voinovich
Governor
Frances S. Buchholzer
Director

937 Ferndale Place



Statewide Parcels
Current Township
Counties
Well Logs

February 12, 2024

Scale: 1:36,112

0 0.2 0.4 0.8 mi
0 0.42 0.85 1.7 km

DNR 7802.92
TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

WELL LOG AND DRILLING REPORT

768062

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

Permit Number 95-239

COUNTY Franklin TOWNSHIP Madison SECTION/LOT No. 2253 (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) Ugo. Ven PROPERTY ADDRESS 2253 Livingston Ave (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY Columbus, Ohio

CONSTRUCTION DETAILS

CASING Borehole Diameter 8 1/2 in.

1 Diameter 4 in. Length 20 ft. Wall Thickness .140 in.

2 Diameter ____ in. Length ____ ft. Wall Thickness ____ in.

Type: 1 Steel 2 Galv. 1 2 PVC 1 2 Other ____

Joints: 1 Threaded 2 1 Welded 2 1 Solvent 2 1 2 Other ____

Liner: Length ____ Type ____ Wall Thickness ____ in.

SCREEN

Type (wire wrapped, louvered, etc.) Louvered Material PVC

Length 20.0 ft. Diameter 4" in.

Set between 20.0 ft. and 10.0 ft. Slot .10

GROUT

Material 1 Hole Plug Volume used 150 lbs.

Method of installation Tremie

Depth: placed from 8.0 ft. to 2.0' ft.

GRAVEL PACK (Filter Pack)

Material Sand #5 Volume used 300 lbs.

Method of installation Tremie

Depth: placed from 20.0 ft. to 8.0 ft.

Pitless Device ☐ Adapter ☐ Preassembled unit

Use of Well ____

☐ Rotary ☐ Cable ☒ Augered ☐ Driven ☐ Dug ☐ Other ____

Date of Completion 6-21-95

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
A wet brown stiff sand/gravel	15.0	17.8

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other ____

Test rate ____ gpm Duration of test ____ hrs.

Drawdown ____ ft.

Measured from: ☐ top of casing ☐ ground level ☐ Other ____

Static Level (depth to water) ____ ft. Date: ____

Quality (clear, cloudy, taste, odor) ____

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

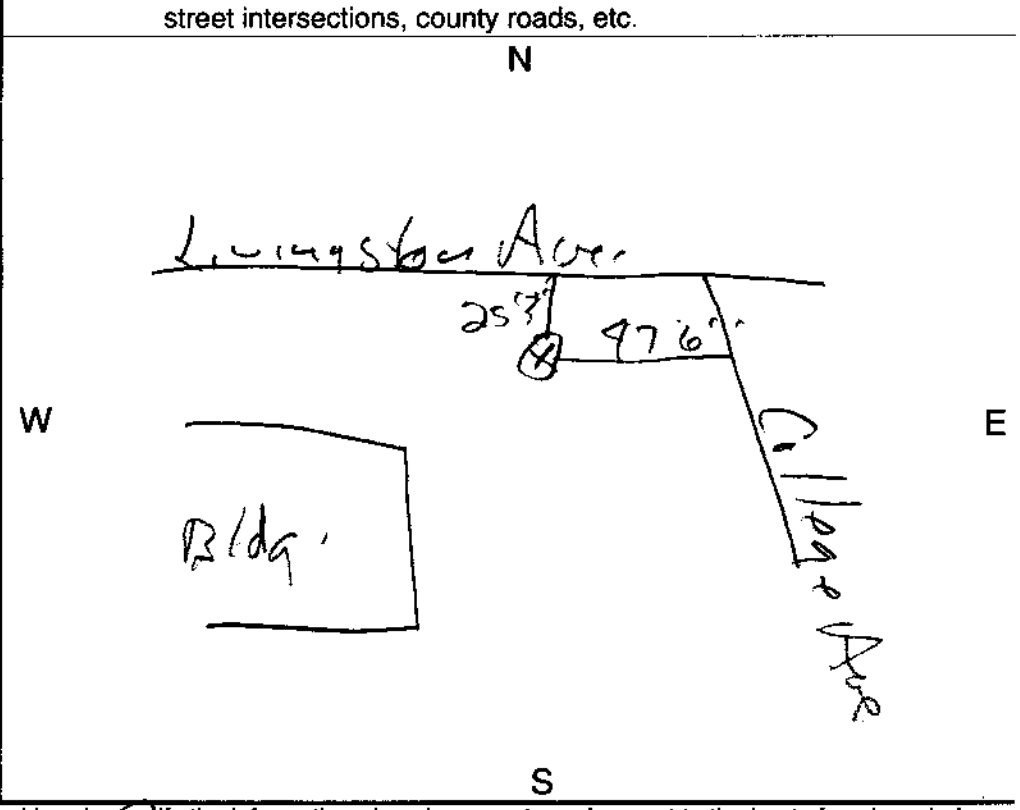
Type of pump ____ Capacity ____ gpm

Pump set at ____ ft.

Pump installed by ____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.



*If additional space is needed to complete well log, use next consecutively numbered form.

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm Belosco Drilling Services

Address 6919 American Parkway

City, State, Zip Col. Oh

Signed J. R. Mussey

Date 6/27/95

ODH Registration Number ____

5672

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

WELL LOG AND DRILLING REPORT

ORIGINAL

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1500 Dublin Road
Columbus, Ohio

No. 183372

County Franklin Township Marion Section of Township

Owner National Aluminum Co. Address Columbus, Ohio

Location of property 1133 Alum Creek Drive (Rear of bldgs)

CONSTRUCTION DETAILS

Casing diameter 8" Length of casing 35

Type of screen Johnson Length of screen 1x'

Type of pump D.W. Turbine

Capacity of pump 100 G.P.M.

Depth of pump setting 30'

Date of completion 3/1/57

BAILING OR PUMPING TEST

Pumping rate 100 G.P.M. Duration of test 4 hrs.

Drawdown 5 ft. Date 2/28/57

Developed capacity Above

Static level—depth to water 22' ft.

Pump installed by Us

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay & gravel	0 Feet	24 Ft.
Sand & gravel	24	42
Sand & gravel + clay chunks	42	45

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.

N.

W. E.

S.

See reverse side for instructions

Drilling Firm William Baker & Co. Columbus Ohio

Address

Date 3/30/57

Signed W. H. Baker

WELL LOG AND DRILLING REPORT

735058

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

Permit Number _____

COUNTY FRANKLIN TOWNSHIP ~~MARION~~ Columbus SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) PRE-FAB TRANSIT PROPERTY ADDRESS 1185 ALUM CREEK DR. (ADDRESS OF WELL LOCATION)

LOCATION OF PROPERTY 110 YDS. N. OF I-70 EXIT TO ALUM CREEK

CONSTRUCTION DETAILS

CASING
Borehole Diameter 7 in.
[1] Diameter 4 in. Length 29 ft. Wall Thickness 1/2 in.
[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.
Type: [1] Steel [1] Galv. [✓] PVC [1] [2] Other _____
Joints: [✓] Threaded [1] Welded [1] Solvent [1] [2] Other _____
Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN
Type (wire wrapped, louvered, etc.) LOUVERED Material PVC
Length 10 ft. Diameter 4 in.
Set between 19 ft. and 29 ft. Slot _____

GROUT
Material GRANULAR BENTONITE Volume used 50 LL
Method of installation POURED
Depth: placed from SURFACE ft. to ~~20~~ 19 ft.

GRAVEL PACK (Filter Pack)
Material SILICA SAND Volume used 50 LL
Method of installation POURED
Depth: placed from 19 ft. to 29 ft.

Pitless Device ☐ Adapter ☐ Preassembled unit
Use of Well MONITOR WELL
☐ Rotary ☑ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____
Date of Completion 3/19/92

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
FILL MATERIAL	0	12
BROWN GRAVEL W/ SAND	12	15
GRAY SAND W/ GRAVEL	15	29
WATER STATIC @ 26		

*If additional space is needed to complete well log, use next consecutively numbered form.

WELL TEST

☑ Bailing ☐ Pumping* ☐ Other _____
Test rate _____ gpm Duration of test _____ hrs.
Drawdown _____ ft.
Measured from: ☐ top of casing ☑ ground level ☐ Other _____
Static Level (depth to water) 26 ft. Date: 3-19-92
Quality (clear, cloudy, taste, odor) _____

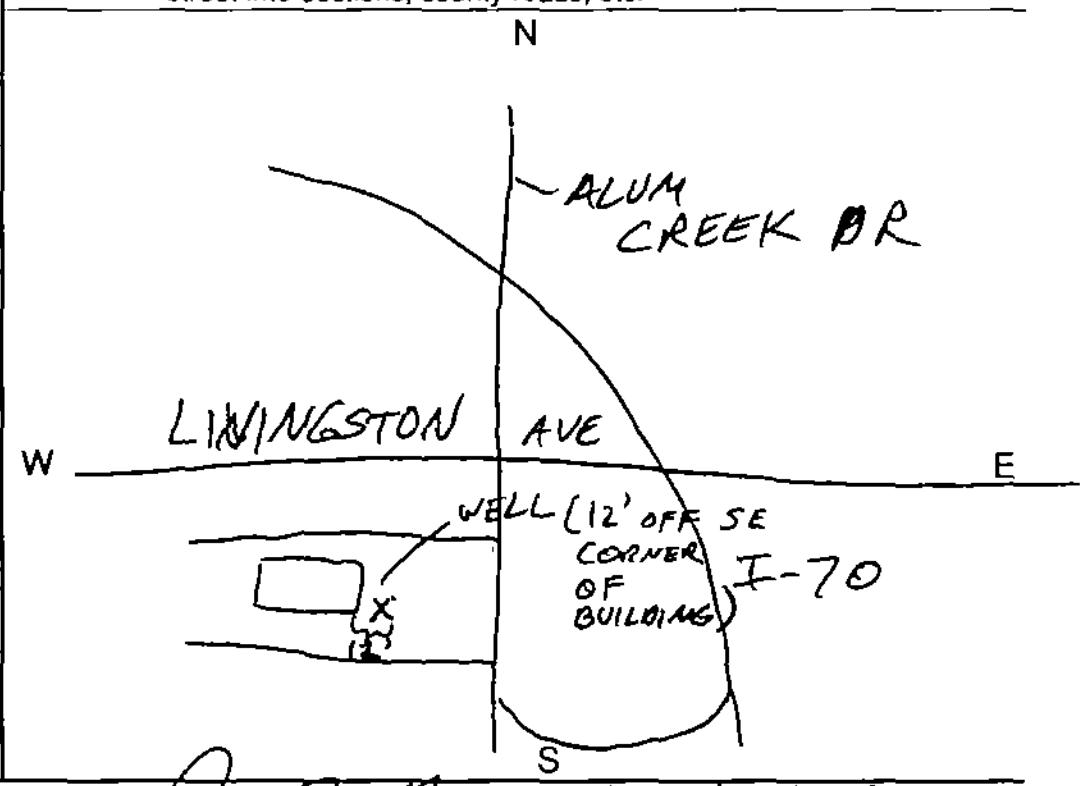
*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump _____ Capacity _____ gpm
Pump set at _____ ft.
Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.



Drilling Firm RICHARD MOUNT DRILLING
Address 132 JAMES AVE.
City, State, Zip HEATH OH 43056

Signed _____ (LAW HOME ~~A SUBC~~ 6330 ~~A~~ PROPRIETORS WORTHINGTON OH 43085)
Date 3-19-92
ODH Registration Number 301

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

ODNR 7802.90

WELL LOG AND DRILLING REPORT

154 ORIGINAL

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Columbus, Ohio

Nº 162198

County FRANKLIN Township Marion Section of Township or Lot Number

Owner Columbus Cement Address COLUMBUS Ohio

Location of property 1165 Alum Creek Drive.

CONSTRUCTION DETAILS

Casing diameter 8" Length of casing 28

Type of screen LAYNE Length of screen 12'

Type of pump Myers Submersega

Capacity of pump 5-0 G.P.M.

Depth of pump setting 37-6"

PUMPING TEST

Pumping rate 50 G.P.M. Duration of test 8 hrs.

Drawdown 10 ft. Date 9 2 N 5 7

Developed capacity 8-HR. TEST.

Static level—depth to water 27 ft.

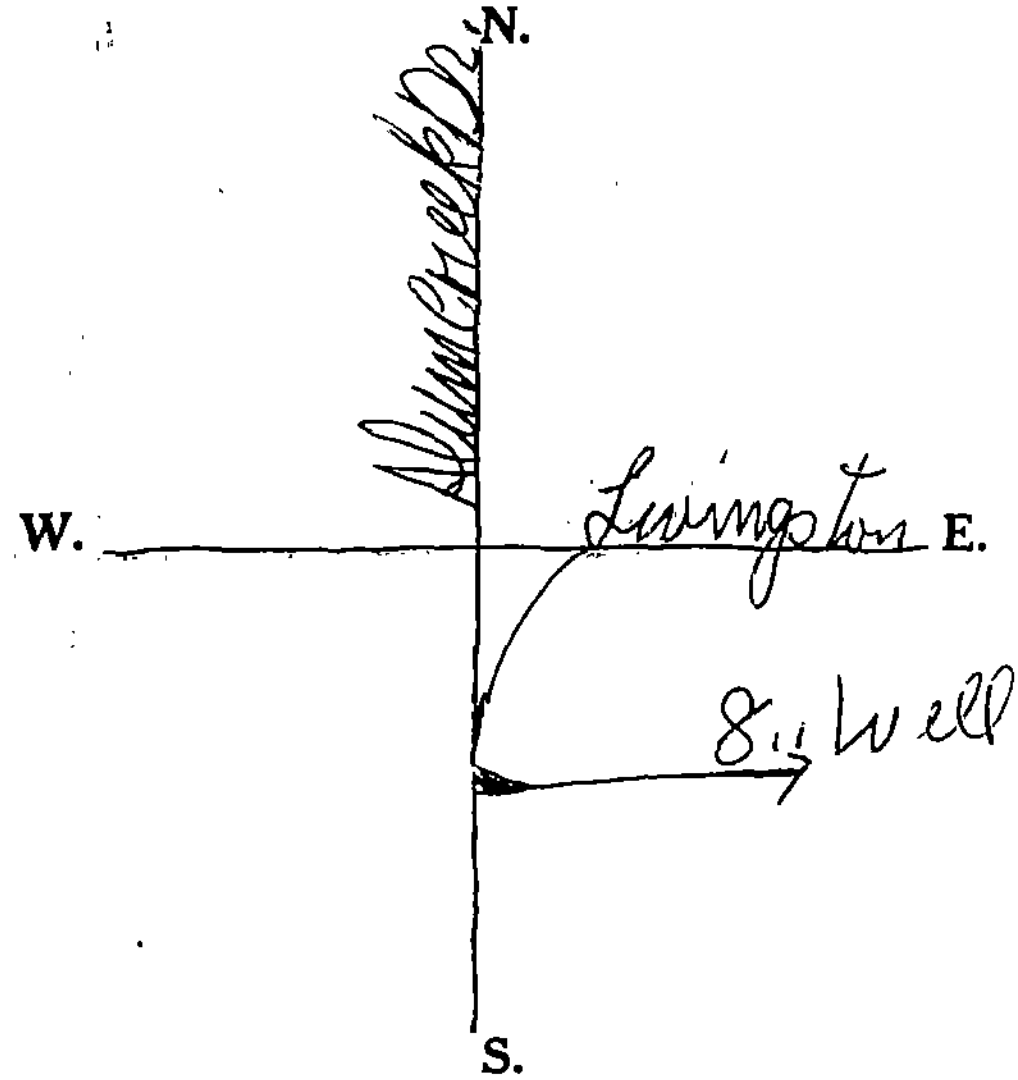
Pump installed by R. H. Goodwin

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
CLAY-	0 Feet	6 Ft.
CLAY & GRAVEL	6	19
Brown Gravel	19	27
Clean Gravel.	27	40

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

Drilling Firm R. H. GOODWIN Date 9 2 N. 57-

Address 4005 E. LIVINGSTON Signed R. H. Goodwin

233

ORIGINAL

WELL LOG AND DRILLING REPORT

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1500 Dublin Road
Columbus, Ohio

No. 210792

County Franklin Township ~~Franklin~~ Columbus Section of Township

Owner Jewish Center Address

Location of property 1175 College Ave - Park Area

CONSTRUCTION DETAILS

Casing diameter 10" Length of casing

Type of screen None Length of screen

Type of pump

Capacity of pump

Depth of pump setting

Date of completion

BAILING OR PUMPING TEST

Pumping rate G.P.M. Duration of test hrs.

Drawdown ft. Date

Developed capacity

Static level—depth to water ft.

Pump installed by

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Fill	0 Feet	8 Ft.
Clay & gravel	8	26
Clay & Sand	26	37
Clay & gravel	37	41
"	41	48
Shale	48	52

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.

N.

Hole abandoned. little or no water

W. E.

S.

See reverse side for instructions

Drilling Firm G. M. Robert Son Date 7/10/58

Address Cole Ohio Signed Wm A. Boger

232

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

Office No. 1905 jjs
Log form No. 43498
Quad. Franklin

Co. Franklin 25 Twp. City Sec.

Owner National Aluminum Co.
Address 1133 Alum Creek Drive
Well location Columbus Ohio

Construction Details	Pumping Test
Casing: Diam. 12" length 34'	Rate: ✓
Screen:	Hrs:
Type of pump:	D. D.
Capacity:	S.L. 17'
Depth of setting:	Date

Owner's Well No.
Driller G. M. Baker and Son Inc.
Located by jjs Date

Remarks

STRATA	Depth From	Depth To
Elevation		
Top Soil	0	3
Clay and Gravel	3	24
Sand and Gravel	24	39

(3)

X = 1,875,100
Y = 709,500-S

* Approximate Location

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

Office No. 1904 jjs
Log form No. 43499
Quad. Franklin

Co. Franklin 25 Twp. 4 Sec.

Owner: National Aluminum Co.
Address: 1133 Alum Creek Drive
Well location: Cols. Ohio

Construction Details	Pumping Test
Casing: Diam. 6" length 70'	Rate: ✓
Screen:	Hrs.:
Type of pump:	D.D.
Capacity:	S.L. 78'
Depth of setting:	Date

Owner's Well No.
Driller: G. M. Baker and Son Inc.
Located by: JJs Date

Remarks

STRATA	Depth From	Depth To
Elevation		
Top Soil	0	4
Clay and Gravel	4	22
Sand and Gravel Dirty	22	
Sand and Gravel Clean	35	
Clay and Sand	37	
Fine Sand	50	
Clay	65	
(1) Black Shale	68	90
Soapstone	90	136
Brown Shale	136	180
Brown Limestone	180	230
Gray Limestone	230	300

X = 1,875,100
Y = 709,500-S

*Approximate Location

WELL LOG AND DRILLING REPORT

715871

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Oh[illegible]epartment of Natural Resources, Divison [illegible]Water
1939 Fountai[illegible]quare Drive, Columbus, Ohio 43224 Phon[illegible] (614) 265-6739

Permit Number 90-360

COUNTY FRANKLIN TOWNSHIP Columbus, OH SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) Sterling Motors PROPERTY ADDRESS 2182 E. Livingston Ave. (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY Sheridan & E. Livingston Ave.

CONSTRUCTION DETAILS

CASING Borehole Diameter _____ in.

[1] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

Type: [1][2] Steel [1][2] Galv. [1][2] PVC [1][2] Other _____

Joints: [1][2] Threaded [1][2] Welded [1][2] Solvent [1][2] Other _____

Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN

Type (wire wrapped, louvered, etc.) _____ Material _____

Length _____ ft. Diameter _____ in. Slot _____

Set between _____ ft. and _____ ft.

GROUT

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

GRAVEL PACK (Filter Pack)

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

Pitless Device ☐ Adapter ☐ Preassembled unit

Use of Well _____

☐ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____

Date of Completion _____

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other _____

Test rate _____ gpm Duration of test _____ hrs.

Drawdown _____ ft.

Measured from: ☐ top of casing ☐ ground level ☐ Other _____

Static Level (depth to water) _____ ft. Date: _____

Quality (clear, cloudy, taste, odor) _____

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft.

Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.

N

W E

S

*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm Belasco Drilling Signed _____

Address 6919 Americana Pkwy Date May 15, 1991

City, State, Zip Columbus, OH 43068 ODH Registration Number _____

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

71587 B
91-360

BancOhio National Bank

Sterling Motors Site, 2182 E. Livingston Avenue, Columbus, Ohio

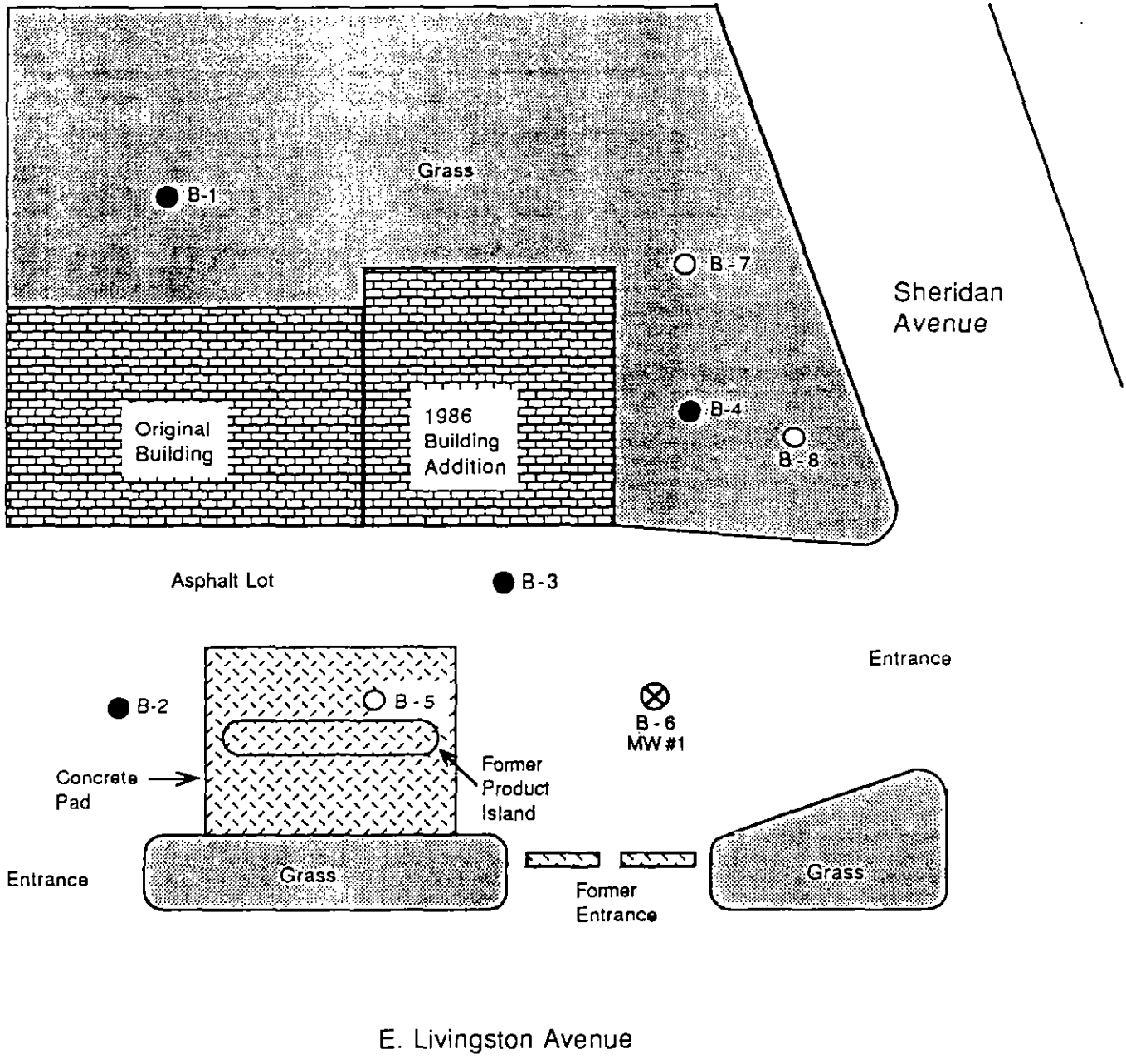


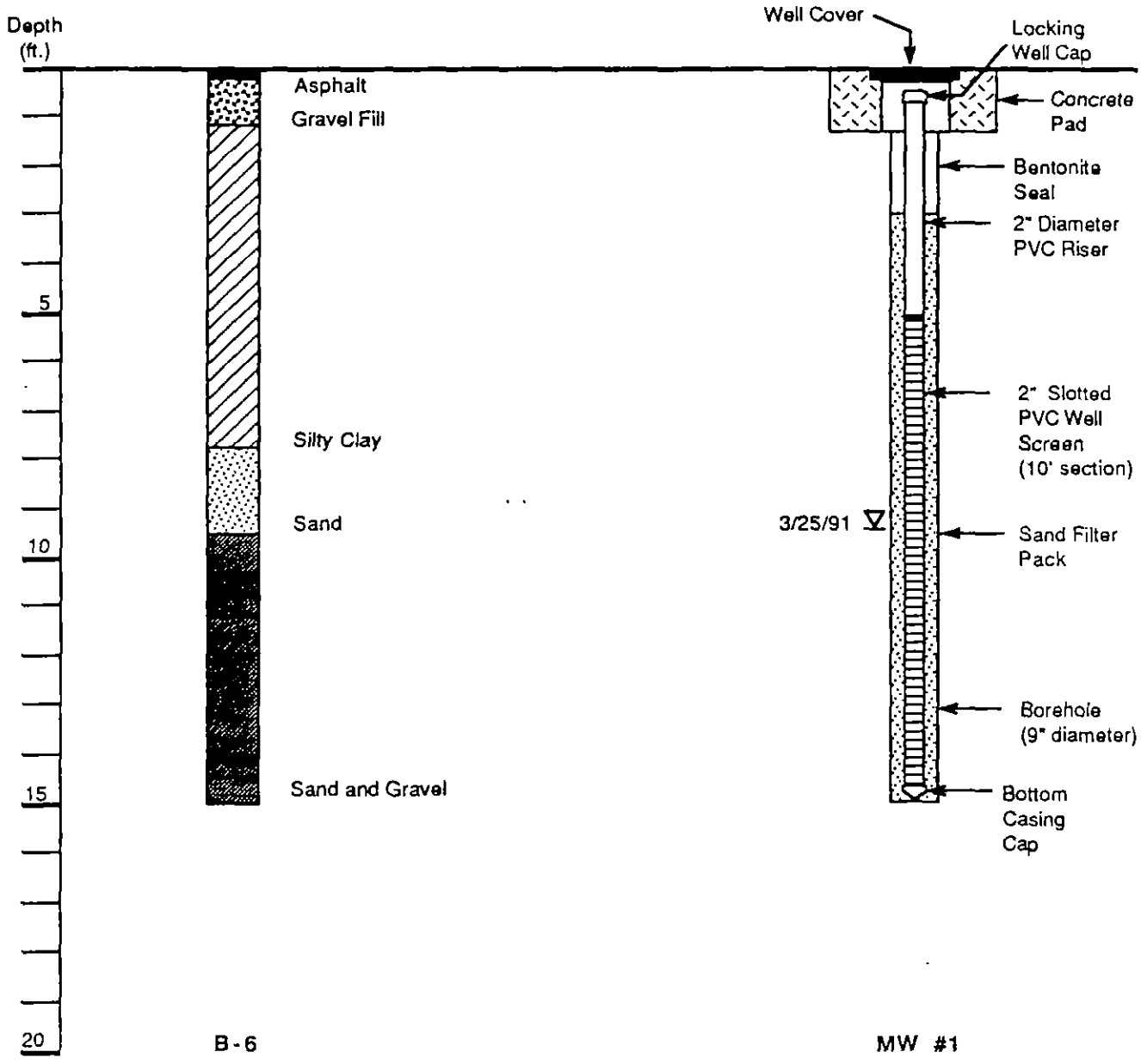
Figure 1. Site Diagram

TERRA TECHNOLOGIES, INC.
Environmental Testing and Consulting

715871C

BancOhio National Bank

Sterling Motors Site, 2182 E. Livingston Avenue, Columbus, Ohio



LEGEND

- Asphalt
- Gravel fill
- Silty clay
- Sand & gravel
- Concrete
- Bentonite grout
- Sand
- Field Sample Point
- Lab & Field Sample Point
- Static Water Level

Figure 3. Monitoring Well Diagram

TERRA TECHNOLOGIES, INC.
Environmental Testing and Consulting

WELL LOG AND DRILLING REPORT

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

758419
Permit Number _____

COUNTY Franklin TOWNSHIP Columbus SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) BP oil PROPERTY ADDRESS 1971 E. Livingston Ave (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY S. of excavation pit

CONSTRUCTION DETAILS

CASING Borehole Diameter _____ in.

[1] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

Type: [1] [2] Steel [1] [2] Galv. [1] [2] PVC [1] [2] Other _____

Joints: [1] [2] Threaded [1] [2] Welded [1] [2] Solvent [1] [2] Other _____

Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN

Type (wire wrapped, louvered, etc.) _____ Material _____

Length _____ ft. Diameter _____ in.

Set between _____ ft. and _____ ft. Slot _____

GROUT

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

GRAVEL PACK (Filter Pack)

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

Pitless Device ☐ Adapter ☐ Preassembled unit

Use of Well _____

☐ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____

Date of Completion _____

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
Backfilled		

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other _____

Test rate _____ gpm Duration of test _____ hrs.

Drawdown _____ ft.

Measured from: ☐ top of casing ☐ ground level ☐ Other _____

Static Level (depth to water) _____ ft. Date: _____

Quality (clear, cloudy, taste, odor) _____

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

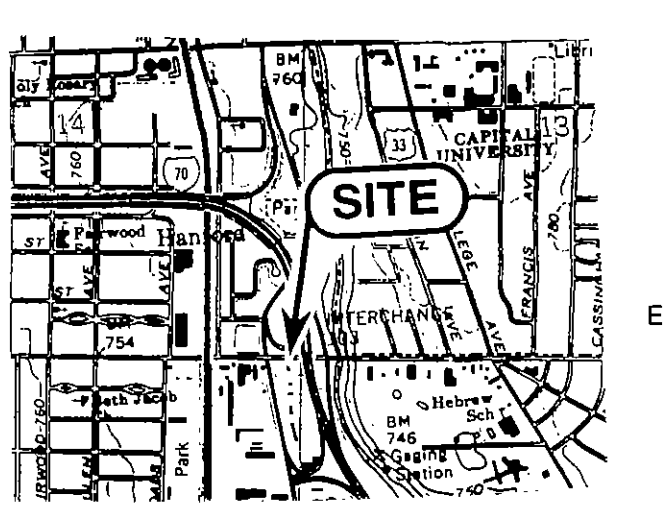
Type of pump _____ Capacity _____ gpm

Pump set at _____ ft.

Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.



*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm BEI Signed J. Darpey

Address 4091 Venture Pl. Date 7/29/92

City, State, Zip Groveport, OH 43125 ODH Registration Number _____

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

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758419 D

BORING/WELL LOG

BORING /WELL NO. MW-1

Page 1 of 1

LOCATION: BP COLUMBUS, OH #07723
PROJECT NO.: 8028-9
DRILLING STARTED: 3/16/92 (10:30 Am)
DRILLING METHOD/RIG TYPE: 4.25-INCH HSA'S
LOGGED BY:
GROUND ELEVATION 799.90 FT.
PROTECTIVE CASING ELEV. 799.65 FT.
WELL CASING (MEASURING POINT)ELEVATION 799.65 FT. DEPTH TO WATER: 19.39 FT.

DRILLING CONTRACTOR: BURLINGTON
DRILLER: BARRY SOMNERS
DRILLING ENDED: 3/16/92 (11:15 A m)
BOREHOLE DIAMETER: 9-INCH NOMINAL
COMMENTS:

WATER QUALITY DATA:

DEPTH (FT.)	SAMPLE NO.	BLOW COUNTS	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION	REMARKS & COMMENTS
0			0.3.0 FT. HAND AUGER, NO SAMPLE. 0-1.0 FT. PAVEMENT. 1.0-3.0 FT. BROWN SILTY CLAY WITH GRAVEL, NO ODOR		HNU ISOBUTYLENE HEADSPACE PPM
5		2/2/3/7	5.0-7.0 FT. BROWN SILTY CLAY WITH SAND, DAMP, NO ODOR		1 PPM
10		8/14/16/12	10.0-12.0 FT. DARK BROWN SILTY CLAY WITH GRAVEL, DAMP, NO ODOR.		1 PPM
15		22/32/45/50	15.0-17.0 FT. DARK BROWN SILTY CLAY WITH GRAVEL, DAMP, NO ODOR.		1 PPM
20		10/26/32/30	20.0-22.0 FT. GRAY SAND W/GRAVEL, MOIST, NO ODOR		1 PPM
25		16/28/30/32	25.0-27.0 FT. GRAY GRAVEL AND SAND, WET, NO ODOR BOH AT 23.0 FT (HEAVING SAND)		1 PPM

WELL LOG AND DRILLING REPORT

758420

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

Permit Number _____

COUNTY Franklin TOWNSHIP Columbus SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) BP oil PROPERTY ADDRESS 1971 E. Livingston Ave (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY N. of excavation Pit

CONSTRUCTION DETAILS

CASING Borehole Diameter _____ in.

[1] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

Type: [1] Steel [2] Galv. [1] PVC [1] [2] Other _____

Joints: [1] Threaded [2] Welded [1] Solvent [1] [2] Other _____

Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN

Type (wire wrapped, louvered, etc.) _____ Material _____

Length _____ ft. Diameter _____ in.

Set between _____ ft. and _____ ft. Slot _____

GROUT

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

GRAVEL PACK (Filter Pack)

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

Pitless Device ☐ Adapter ☐ Preassembled unit

Use of Well _____

☐ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____

Date of Completion _____

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.

From	To

Well Attached

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other _____

Test rate _____ gpm Duration of test _____ hrs.

Drawdown _____ ft.

Measured from: ☐ top of casing ☐ ground level ☐ Other _____

Static Level (depth to water) _____ ft. Date: _____

Quality (clear, cloudy, taste, odor) _____

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump _____ Capacity _____ gpm

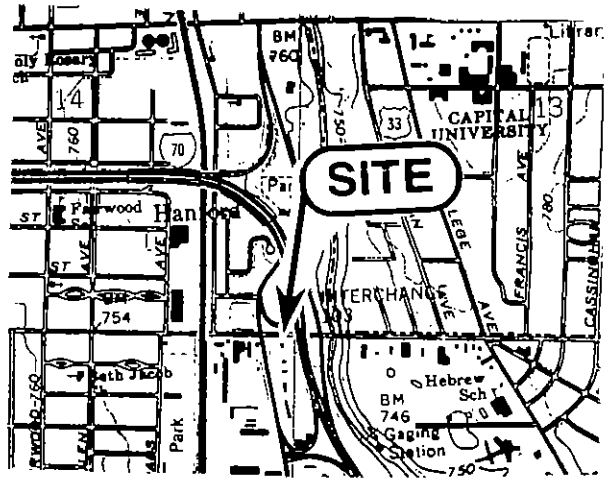
Pump set at _____ ft.

Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.

N



W E

S

*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm BET

Address 4091 Ventura Rd.

City, State, Zip Circleport, OH 43125

Signed J. Dorsey

Date 7/29/92

ODH Registration Number _____

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

758420 B

BORING/WELL LOG

BORING /WELL NO. MW-2

Page 1 of 1

LOCATION: BP COLUMBUS, OH #07723
PROJECT NO.: 8028-9
DRILLING STARTED: 3/16/92 (12:15 Pm)
DRILLING METHOD/RIG TYPE: 4.25-INCH HSA'S
LOGGED BY:
GROUND ELEVATION 799.56 FT.
PROTECTIVE CASING ELEV. 799.31 FT.
WELL CASING (MEASURING POINT)ELEVATION 799.31 FT. DEPTH TO WATER: 18.97 FT.

DRILLING CONTRACTOR: BURLINGTON
DRILLER: BARRY SOMNERS
DRILLING ENDED: 3/10/92 (14:01 P m)
BOREHOLE DIAMETER: 9-INCH NOMINAL
COMMENTS:

WATER QUALITY DATA:

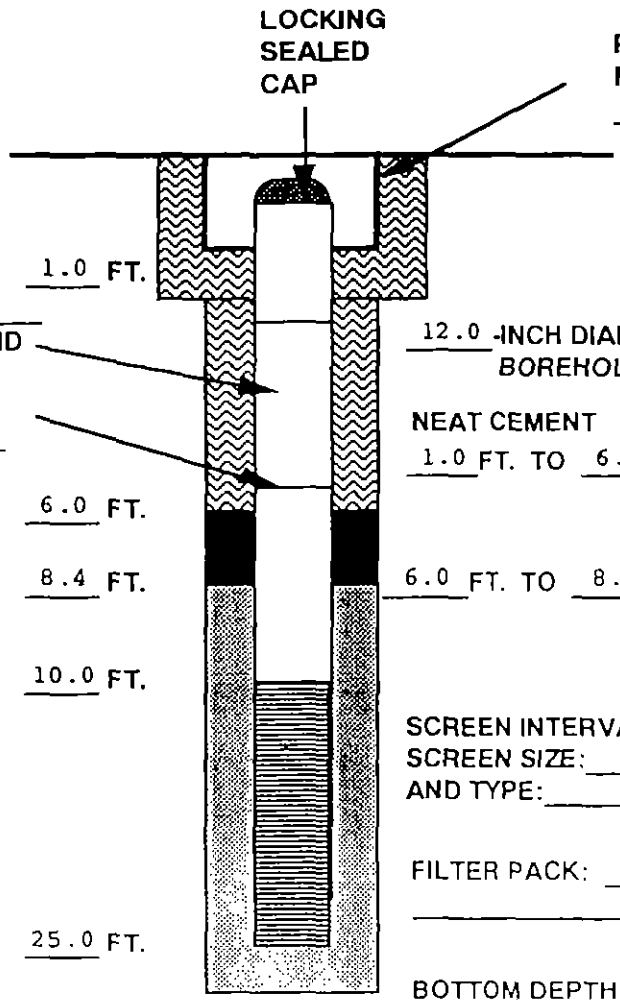
DEPTH (FT.)	SAMPLE NO.	BLOW COUNTS	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION	REMARKS & COMMENTS
0			0-3.0 FT. HAND AUGER, NO SAMPLE. 0-1.0 FT. PAVEMENT. 1.0-3.0 FT. BROWN SILTY CLAY, DAMP, NO ODOR		HNU ISOBUTYLENE HEADSPACE PPM
5		10/ 18/ 16/ 11	5.0-7.0 FT. LIGHT BROWN SILTY SAND WITH LIMESTONE CLASTS, DRY, NO ODOR		3 PPM
10		8/17 /25 /27	10.0-12.0 FT. DARK GRAY SILTY CLAY WITH GRAVEL, DRY, NO ODOR		0 PPM
15		14/ 30/ 45/ 50	15.0-17.0 FT. DARK GRAY SILTY CLAY WITH GRAVEL, DRY, NO ODOR		1 PPM
20		12/ 25/ 29/ 17	20.0-22.0 FT. DARK GRAY COARSE SAND AND GRAVEL WITH SILTY CLAY, WET, NO ODOR		0 PPM
			BOH AT 25.0 FT		
25					

75842OC

WELL CONSTRUCTION LOG

WELL NO.: MW-2
CLIENT: BP OIL
PROJECT: #07723
PROJECT NO.: 8028-9
GROUND SURFACE ELEVATION: 799.56 FT.
MEASURING POINT ELEVATION: 799.31 FT.
INSTALLED BY: ____

DATE INSTALLED: 3/16/92
LOCATION: NORTH OF EXCAVATION PIT
BOREHOLE INSTALLATION METHOD: 6.25-INCH HSA'S
DRILLER: BURLINGTON
STATIC DEPTH TO WATER: 18.97 FT.
DATE DEVELOPED: 3/16/92
WELL STATUS: COMPLETE



GROUND SURFACE AND ELEVATION: 799.56 FT.

MEASURING POINT ELEVATION: 799.31 FT.

CASING TYPE: PVC
AND DIAMETER: 4.0 IN. ID

RISER PIPE SIZE AND JOINT TYPE: 4.0 INCH ID FLUSH THREADED

SCREEN INTERVAL 10.0 FT. TO 25.0 FT.
SCREEN SIZE: 0.010
AND TYPE: SLOTTED PVC

FILTER PACK: #5 WASHED QUARTZ SAND

BOTTOM DEPTH 25.2 FT.

(NOT TO SCALE)
4/91 FLUSH MOUNT

WELL LOG AND DRILLING REPORT

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

758421
Permit Number _____

COUNTY Franklin TOWNSHIP Columbus SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) BP Oil PROPERTY ADDRESS 1971 E. Livingston Ave (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY W. of Pump Orlando

CONSTRUCTION DETAILS

CASING Borehole Diameter _____ in.

[1] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

Type: [1] Steel [2] Steel [1] Galv. [2] Galv. [1] PVC [2] PVC [1] [2] Other _____

Joints: [1] Threaded [2] Threaded [1] Welded [2] Welded [1] Solvent [2] Solvent [1] [2] Other _____

Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN

Type (wire wrapped, louvered, etc.) _____ Material _____

Length _____ ft. Diameter _____ in.

Set between _____ ft. and _____ ft. Slot _____

GROUT

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

GRAVEL PACK (Filter Pack)

Material _____ Volume used _____

Method of installation _____

Depth: placed from _____ ft. to _____ ft.

Pitless Device ☐ Adapter ☐ Preassembled unit

Use of Well _____

☐ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____

Date of Completion _____

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
Set Attached		

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other _____

Test rate _____ gpm Duration of test _____ hrs.

Drawdown _____ ft.

Measured from: ☐ top of casing ☐ ground level ☐ Other _____

Static Level (depth to water) _____ ft. Date: _____

Quality (clear, cloudy, taste, odor) _____

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

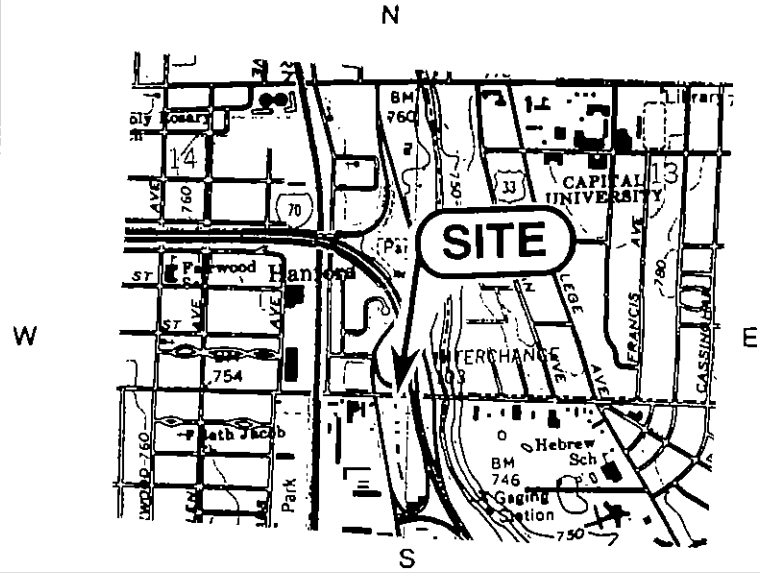
Type of pump _____ Capacity _____ gpm

Pump set at _____ ft.

Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.



*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm BTE Signed _____

Address 4091 Venture Pl. Date 7/29/92

City, State, Zip Groveport, OH 43125 ODH Registration Number _____

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

758421B

BORING/WELL LOG

BORING /WELL NO. MW-3

Page 1 of 1

LOCATION: BP COLUMBUS, OH #07723
PROJECT NO.: 8028-9
DRILLING STARTED: 3/16/92 (2:30 Pm)
DRILLING METHOD/RIG TYPE: 6.25-INCH HSA'S
LOGGED BY:
GROUND ELEVATION 799.69 FT.
PROTECTIVE CASING ELEV. 799.33 FT.
WELL CASING (MEASURING POINT)ELEVATION 799.33 FT. DEPTH TO WATER: 18.93 FT.

DRILLING CONTRACTOR: BURLINGTON
DRILLER: BARRY SOMNERS
DRILLING ENDED: 3/16/92 (16:15 P m)
BOREHOLE DIAMETER: 13-INCH NOMINAL
COMMENTS:

WATER QUALITY DATA:

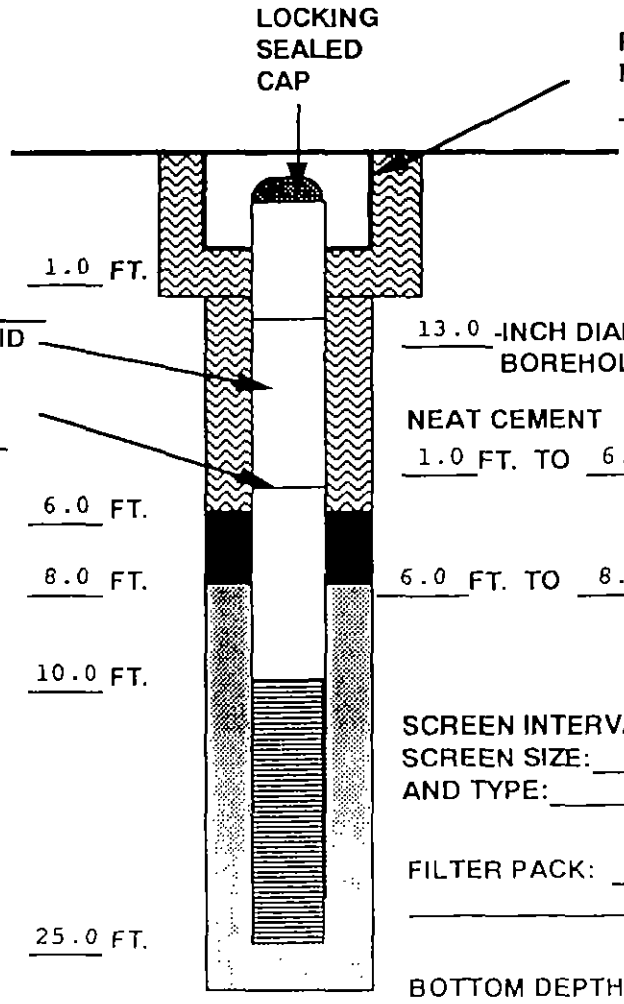
DEPTH (FT.)	SAMPLE NO.	BLOW COUNTS	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION	REMARKS & COMMENTS
0			0-3.0 FT. HAND AUGER, NO SAMPLE. 0-1.0 FT. PAVEMENT. 1.0-3.0 FT. BROWN SILTY CLAY, DAMP, NO ODOR		HNU ISOBUTYLENE HEADSPACE PPM
5		1/2/2/1	5.0-7.0 FT. BROWN SILTY CLAY WITH SAND AND GRAVEL, MOIST, NO ODOR		0 PPM
10		10/13/18/29	10.0-12.0 FT. DARK GRAY SILTY CLAY WITH MEDIUM-LARGE GRAVEL, DRY, SLIGHT ODOR		0 PPM
15		10/35/50	15.0-17.0 FT. GRAY COURSE SAND AND GRAVEL WITH SILTY CLAY, DRY, NO ODOR		1 PPM
20		5/22/30/50	20.0-22.0 FT. DARK GRAY SILTY CLAY WITH SAND AND GRAVEL, WET, NO ODOR		1 PPM
25		16/20/15/18	25.0-27.0 FT. DARK GRAY SILTY CLAY WITH FINE SAND TO COARSE GRAVEL, WET, NO ODOR		1 PPM
			BOH AT 25.5 FT.		

758421C

WELL CONSTRUCTION LOG

WELL NO.: MW-3
CLIENT: BP OIL
PROJECT: #07723
PROJECT NO.: 8028-9
GROUND SURFACE ELEVATION: 799.69 FT.
MEASURING POINT ELEVATION: 799.33 FT.
INSTALLED BY: _____

DATE INSTALLED: 3/16/92
LOCATION: WEST OF PUMP ISLANDS
BOREHOLE INSTALLATION METHOD: 6.25-INCH ID HSA's
DRILLER: BURLINGTON
STATIC DEPTH TO WATER: 18.93 FT.
DATE DEVELOPED: 3/17/92
WELL STATUS: COMPLETE



GROUND SURFACE AND ELEVATION: 799.69 FT.

MEASURING POINT ELEVATION: 799.33 FT.

CASING TYPE: PVC
AND DIAMETER: 4.0 IN. ID

RISER PIPE SIZE AND JOINT TYPE: 4.0 INCH ID FLUSH THREADED

SCREEN INTERVAL 10.0 FT. TO 25.0 FT.
SCREEN SIZE: 0.01
AND TYPE: SLOTTED PVC

FILTER PACK: #5 WASHED QUARTZ SAND

BOTTOM DEPTH 25.5 FT.

(NOT TO SCALE)
4/91 FLUSH MOUNT

WELL LOG AND DRILLING REPORT

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources, Divison of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

758422
Permit Number _____

COUNTY Franklin TOWNSHIP Columbus SECTION/LOT No. _____ (CIRCLE ONE)

OWNER/BUILDER (CIRCLE ONE OR BOTH) BP oil PROPERTY ADDRESS 1971 E. Livingston (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY E of Pump Islands

CONSTRUCTION DETAILS

CASING Borehole Diameter _____ in.

[1] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.
[2] Diameter _____ in. Length _____ ft. Wall Thickness _____ in.

Type: [1] Steel [1] Galv. [1] PVC [1] [2] Other _____
Joints: [1] Threaded [1] Welded [1] Solvent [1] [2] Other _____
Liner: Length _____ Type _____ Wall Thickness _____ in.

SCREEN
Type (wire wrapped, louvered, etc.) _____ Material _____
Length _____ ft. Diameter _____ in. Slot _____
Set between _____ ft. and _____ ft.

GROUT
Material _____ Volume used _____
Method of installation _____
Depth: placed from _____ ft. to _____ ft.

GRAVEL PACK (Filter Pack)
Material _____ Volume used _____
Method of installation _____
Depth: placed from _____ ft. to _____ ft.

Pitless Device ☐ Adapter ☐ Preassembled unit
Use of Well _____
☐ Rotary ☐ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____
Date of Completion _____

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
All attached		

WELL TEST

☐ Bailing ☐ Pumping* ☐ Other _____
Test rate _____ gpm Duration of test _____ hrs.
Drawdown _____ ft.
Measured from: ☐ top of casing ☐ ground level ☐ Other _____
Static Level (depth to water) _____ ft. Date: _____
Quality (clear, cloudy, taste, odor) _____

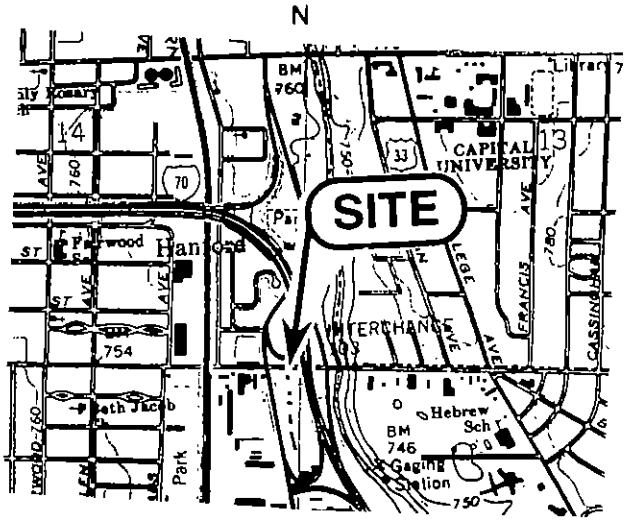
*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump _____ Capacity _____ gpm
Pump set at _____ ft.
Pump installed by _____

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways, street intersections, county roads, etc.



*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm BET
Address 4091 Ventura Rd.
City, State, Zip Grovesport, OH 43125

Signed J. Darpey
Date 7/29/92
ODH Registration Number _____

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

758422-B

BORING/WELL LOG

BORING /WELL NO. MW-4

Page 1 of 1

LOCATION: BP COLUMBUS, OH #07723
PROJECT NO.: 8028-9
DRILLING STARTED: 3/16/92 (17:30 Pm)
DRILLING METHOD/RIG TYPE: 6.25-INCH HSA'S
LOGGED BY:
GROUND ELEVATION 800.17 FT.
PROTECTIVE CASING ELEV. 799.67 FT.
WELL CASING (MEASURING POINT)ELEVATION 799.67 FT. DEPTH TO WATER: 19.31 FT.

DRILLING CONTRACTOR: BURLINGTON
DRILLER: BARRY SOMNERS
DRILLING ENDED: 3/16/92 (18:30 P m)
BOREHOLE DIAMETER: 13-INCH NOMINAL
COMMENTS:

WATER QUALITY DATA:

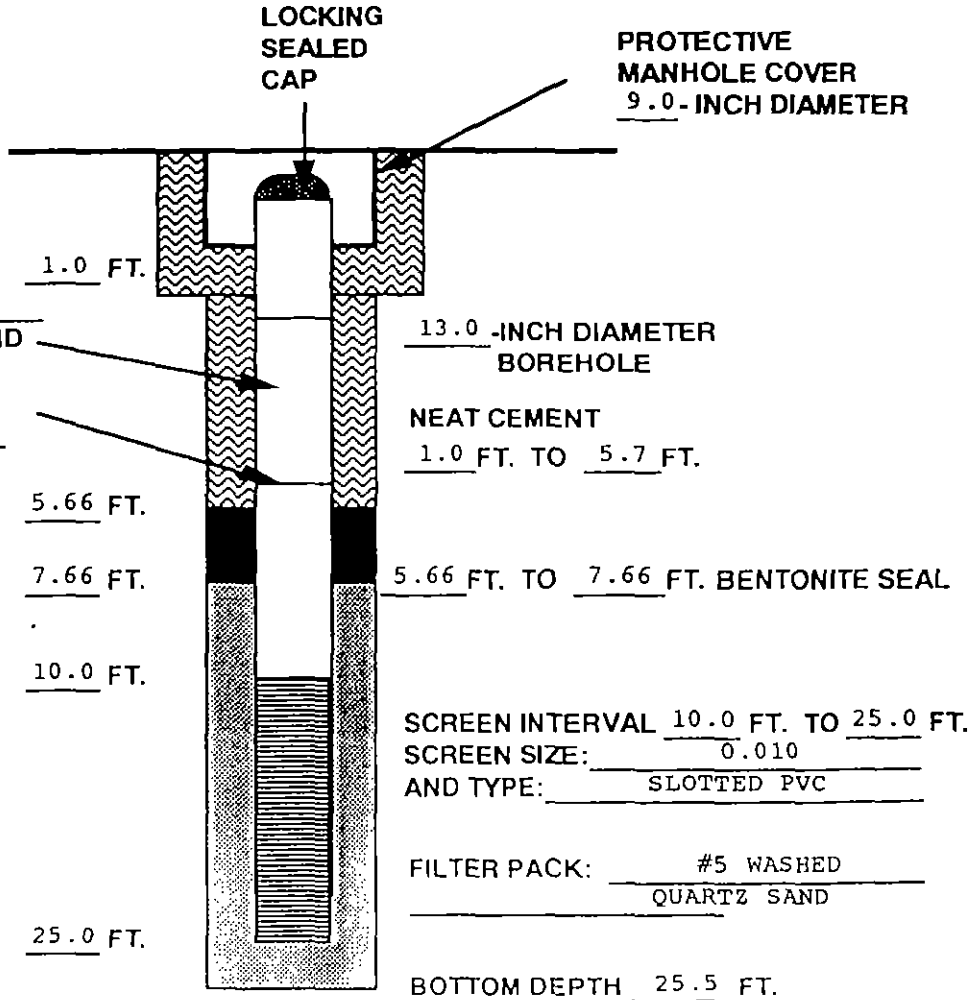
DEPTH (FT.)	SAMPLE NO.	BLOW COUNTS	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION	REMARKS & COMMENTS
0			0-3.0 FT. HAND AUGER, NO SAMPLE. 0-1.0 FT. PAVEMENT AND GRAVEL. 1.0-3.0 FT. BROWN SILTY CLAY WITH GRAVEL, DAMP, NO ODOR		HNU ISOBUTYLENE HEADSPACE PPM
5		5/7/10/11	5.0-7.0 FT. DARK BROWN SILTY CLAY WITH SAND AND GRAVEL, DRY, SLIGHT HYDROCARBON ODOR		130 PPM
10		9/12/15/17	10.0-12.0 FT. DARK GRAY SILTY CLAY WITH SAND AND GRAVEL, MOIST, NO ODOR		18 PPM
15		17/33/50	15.0-17.0 FT. DARK GRAY SILTY CLAY WITH SAND AND GRAVEL, DRY, NO ODOR		4 PPM
20		17/35/50	20.0-22.0 FT. DARK GRAY SAND AND GRAVEL WITH SILTY CLAY, WET, NO ODOR		2 PPM
25			25.0-27.0 FT. NO SAMPLE		
			BOH AT 25.0 FT.		

758422C

WELL CONSTRUCTION LOG

WELL NO.: MW-4
CLIENT: BP OIL
PROJECT: #07723
PROJECT NO.: 8028-9
GROUND SURFACE ELEVATION: 800.17 FT.
MEASURING POINT ELEVATION: 799.67 FT.
INSTALLED BY:

DATE INSTALLED: 3/16/92
LOCATION: EAST OF PUMP ISLANDS
BOREHOLE INSTALLATION METHOD: 6.25-INCH ID HSA'S
DRILLER: BURLINGTON
STATIC DEPTH TO WATER: 19.31 FT.
DATE DEVELOPED: 3/16/92
WELL STATUS: COMPLETE



(NOT TO SCALE)
4/91 FLUSH MOUNT

DNR 7802.96 #2

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Divison of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224-9971 Voice (614) 265-6739 Fax (614) 447-9503

03-322 967373

WELL LOCATION

County Franklin Township Mifflin

Owner/Builder (Circle One or Both) First Timken Last

Address of Well Location 1025 Heuland [redacted] Ave
Number Street Name

City Columbus Zip Code +4

Permit No. Section/Lot No. (Circle One or Both)

Location of Well in State Plane coordinates, if available: Use of Well

N ☐ X . +/- ft. or m

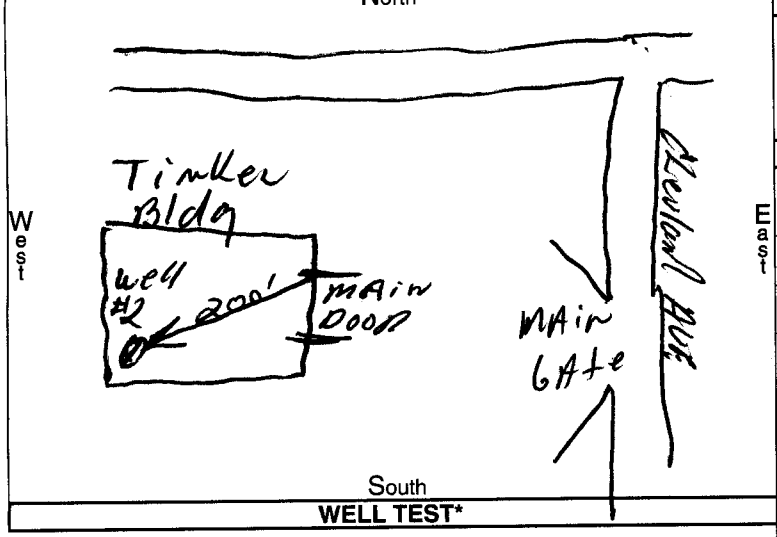
S ☐ Y . +/- ft. or m

Elevation of Well . +/- ft. or m

Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: ☐ GPS ☑ Survey ☐ Other

Sketch a map showing distance well lies from numbered state highways, street intersections, county roads, buildings or other notable landmarks. If latitude and longitude are available please include here: Lat: Long:



WELL TEST*

Pre-Pumping Static Level ft. Date

Measured from: ☐ Top of Casing ☐ Ground Level ☐ Other

☐ Air ☐ Bailing ☐ Pumping* ☐ Other

Test Rate gpm Duration of Test hrs.

Feet of Drawdown ft. Sustainable Yield gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☐ No Flowing Well? ☐ Yes ☐ No

Quality

PUMP/PITLESS

Type of pump Capacity gpm

Pump set at ft. Pitless Type

Pump installed by

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm Delasco Drilling Services Inc.

Address 1519 Alum Creek Dr

City, State, Zip Columbus Ohio 43209

Signed Date 4/24/03

ODH Registration Number NR

CONSTRUCTION DETAILS

☐ Rotary ☐ Cable ☑ Augered ☐ Driven ☐ Other

BOREHOLE/CASING (measured from ground surface)

1 ☐ Borehole Diameter 8 inches Depth 16' ft.
Casing Diameter 2 in. Length 13 ft. Thickness SCH40 in.

2 ☐ Borehole Diameter inches Depth ft.
Casing Diameter in. Length ft. Thickness in.

Casing Height Above Ground ft.

Type	1 ☐ Steel 2 ☐	1 ☐ Galv. 2 ☐	1 ☒ PVC 2 ☐	1 ☐ 2 ☐ Other
Joints	1 ☒ Threaded 2 ☐	1 ☐ Welded 2 ☐	1 ☐ Solvent 2 ☐	1 ☐ 2 ☐ Other

SCREEN

Diameter 2 Slot Size 10 Screen Length 5 ft.
Type Johnson Material PVC
Set Between 16 ft. and 13 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 SAND Volume/Weight Used 20 lbs
Method of Installation threw augers
Depth: Placed FROM 16 ft. TO 12 ft.

GROUT

Material Bentonite chip Volume/Weight Used 25 lbs
Method of Installation threw auger
Depth: Placed FROM 12 ft. TO 10 ft.

DRILLING LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
Brown Pea gravel	0	11
Concrete	11	12
Brown Clay with SAND and gravel moist	12	16

*(If more space is needed to complete drilling log, use next consecutively numbered form.)

Date of Well Completion 4/25/03 Total Depth of Well 16 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224-9971

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2002934

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township FRANKLIN

SHELL OIL
Owner/Builder

1937 LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4

Permit No. Section; *and or* Lot No.

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X +/- ft.

S ☐ Y +/- ft.

Latitude, Longitude Coordinates

Latitude: 39.948333 Longitude: 82.945556

Elevation of Well in feet: +/- ft.

Datum Plane: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: MAP-OTHERS

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date

Measured from

Pumping test method

Test Rate gpm Duration of Test hrs.

Feet of Drawdown ft. Sustainable Yield gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump Capacity gpm

Pump set at ft. Pitless Type

Pump installed by

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm BELASCO DRILLING, INC.

Address 1519 ALUM CREEK DR

City, State, Zip COLUMBUS OH 43209

Signed ALAN BELASCO Date 5/18/2006

(Filed Electronically)

ODH Registration Number

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 6 inches Depth 22 ft.
Casing Diameter 2 in. Length 17 ft. Thickness 0.14 in.

2 Borehole Diameter inches Depth ft.
Casing Diameter in. Length ft. Thickness in.

Casing Height Above Ground 0 ft.

Type 1: PVC
2:

Joints 1: Threaded
2:

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 22 ft. and 12 ft.

GRAVEL PACK (Filter Pack)

Material/Size SAND Vol/Wt. Used 7 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 22 ft. To: 10 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 3 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 10 ft. To: 1 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
LT. BROWN		SAND AND GRAVEL	0	4
OLIVE	SILTY	CLAY	4	22

Aquifer Type (Formation producing the most water.) CLAY

Date of Well Completion 5/10/2006 Total Depth of Well 22 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2002936

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township FRANKLIN

SHELL OIL
Owner/Builder

1937 LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4

Permit No. Section; *and or* Lot No.

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X +/- ft.

S ☐ Y +/- ft.

Latitude, Longitude Coordinates

Latitude: 39.948333 Longitude: 82.945556

Elevation of Well in feet: +/- ft.

Datum Plane: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: MAP-OTHERS

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date

Measured from

Pumping test method

Test Rate gpm Duration of Test hrs.

Feet of Drawdown ft. Sustainable Yield gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump Capacity gpm

Pump set at ft. Pitless Type

Pump installed by

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm BELASCO DRILLING, INC.

Address 1519 ALUM CREEK DR

City, State, Zip COLUMBUS OH 43209

Signed ALAN BELASCO Date 5/18/2006

(Filed Electronically)

ODH Registration Number

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 6 inches Depth 22 ft.
Casing Diameter 2 in. Length 17 ft. Thickness 0.14 in.

2 Borehole Diameter inches Depth ft.
Casing Diameter in. Length ft. Thickness in.

Casing Height Above Ground 0 ft.

Type 1: PVC
2:

Joints 1: Threaded
2:

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 22 ft. and 12 ft.

GRAVEL PACK (Filter Pack)

Material/Size SAND Vol/Wt. Used 7 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 22 ft. To: 10 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 3 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 10 ft. To: 1 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
LT. BROWN		FILL MATERIAL	0	4
OLIVE	SILTY	CLAY	4	22

Aquifer Type (Formation producing the most water.) CLAY

Date of Well Completion 5/10/2006 Total Depth of Well 22 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2002937

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township FRANKLIN

SHELL
Owner/Builder

1937 LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4

Permit No. Section; *and or* Lot No.

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X +/- ft.

S ☐ Y +/- ft.

Latitude, Longitude Coordinates

Latitude: 39.948333 Longitude: 82.945556

Elevation of Well in feet: +/- ft.

Datum Plane: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: MAP-OTHERS

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date

Measured from

Pumping test method

Test Rate gpm Duration of Test hrs.

Feet of Drawdown ft. Sustainable Yield gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump Capacity gpm

Pump set at ft. Pitless Type

Pump installed by

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm BELASCO DRILLING, INC.

Address 1519 ALUM CREEK DR

City, State, Zip COLUMBUS OH 43209

Signed ALAN BELASCO Date 5/18/2006

(Filed Electronically)

ODH Registration Number

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 6 inches Depth 22 ft.
Casing Diameter 2 in. Length 17 ft. Thickness 0.14 in.

2 Borehole Diameter inches Depth ft.
Casing Diameter in. Length ft. Thickness in.

Casing Height Above Ground 0 ft.

Type 1: PVC
2:

Joints 1: Threaded
2:

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 22 ft. and 12 ft.

GRAVEL PACK (Filter Pack)

Material/Size SAND Vol/Wt. Used 7 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 22 ft. To: 10 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 3 BAGS

Method of Installation Poured (gravity)

Depth: Placed From: 10 ft. To: 1 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
LT. GRAY	GRAVELLY	FILL MATERIAL	0	4
BROWN	SILTY	CLAY	4	22

Aquifer Type (Formation producing the most water.) CLAY

Date of Well Completion 5/10/2006 Total Depth of Well 22 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2004992

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

SHELL STATION
Owner/Builder

1937 E LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.94793 Longitude: 82.94534

Elevation of Well in feet: _____ +/- _____ ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source _____

Source of Coordinates: GPS

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 BENNER RD

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 9/11/2006
(Filed Electronically)

ODH Registration Number _____

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 8.25 inches Depth 23 ft.
Casing Diameter 2 in. Length 13 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground _____ ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 23 ft. and 11 ft.

GRAVEL PACK (Filter Pack)

Material/Size SILICA SAND Vol/Wt. Used 400 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 23 ft. To: 11 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 11 ft. To: 2 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		FILL MATERIAL	0	1
BROWN	SILTY	CLAY	1	5
BROWN	DAMP	CLAY	5	10
GRAY	DAMP	CLAYSANDGRAVEL	10	15
GRAY	FINE	SAND	15	20
GRAY		SILT	20	23

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion 9/7/2006 Total Depth of Well 23 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2005003

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

SHELL STATION
Owner/Builder

1937 E LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.94816 Longitude: 82.9454

Elevation of Well in feet: _____ +/- _____ ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source _____

Source of Coordinates: GPS

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 BENNER RD

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 9/11/2006
(Filed Electronically)

ODH Registration Number _____

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 8.25 inches Depth 23 ft.
Casing Diameter 2 in. Length 13 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground _____ ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 23 ft. and 11 ft.

GRAVEL PACK (Filter Pack)

Material/Size SILICA SAND Vol/Wt. Used 400 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 23 ft. To: 11 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 11 ft. To: 2 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		FILL MATERIAL	0	1
BROWN	SILTY	COBBLES	1	5
BROWN	DAMP	CLAY	5	10
GRAY		CLAYSANDGRAVEL	10	15
GRAY	FINE	SAND	15	20
GRAY		SILT	20	23

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion 9/7/2006 Total Depth of Well 23 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2031523

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

SRW
Owner/Builder

2080 E LIVINGSTON
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.94849 Longitude: -82.94171

Elevation of Well in feet: 767 +/- _____ ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GPS

Source of Coordinates: GPS

Well location written description:

Comments on water quality/quantity and well construction:

MW-2

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm FRONTZ DRILLING, INC.

Address 2031 MILLERSBURG RD

City, State, Zip WOOSTER OH 44691

Signed KRISTI FITZGERALD Date 3/24/2011

(Filed Electronically)

ODH Registration Number 0120

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 8 inches Depth 23 ft.
Casing Diameter 2 in. Length 13 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 23 ft. and 13 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 Vol/Wt. Used 250 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 23 ft. To: 11 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 11 ft. To: 1 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		ASPHALT	0	1
BROWN	SANDY	CLAY	1	8
		CONCRETE	8	8.5
BROWN		CLAY	8.5	18
BROWN		SAND AND GRAVEL	18	23

Aquifer Type (Formation producing the most water.) SAND AND GRAVEL

Date of Well Completion 3/7/2011 Total Depth of Well 23 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2035409

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

DISCOUNT AUTO GLASS
Owner/Builder

2182 E LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.948314 Longitude: -82.938994

Elevation of Well in feet: _____ +/- _____ ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source _____

Source of Coordinates: GEOCODE

Well location written description:
MW-7

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 0 ft. Date 10/3/2011

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, LIMITED

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed CHRIS RISMILLER Date 11/14/2011

(Filed Electronically)

ODH Registration Number _____

CONSTRUCTION DETAILS

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 4.25 inches Depth 21 ft.
Casing Diameter 2 in. Length 11 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground _____ ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 11 ft. and 21 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 Sand Vol/Wt. Used 150#

Method of Installation Poured (gravity)

Depth: Placed From: 9 ft. To: 21 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 250#

Method of Installation Poured (gravity)

Depth: Placed From: 1 ft. To: 9 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	SILTY	CLAY	0	9
BROWN-GRAY		SAND AND SILT	9	11
BROWN	SILTY	CLAY	11	15
BROWN	SILTY	CLAY & GRAVEL	15	17
BROWN	COARSE	SAND	17	21
		Water Encountered At	17	17

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion 10/3/2011 Total Depth of Well 21 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2082942

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

MIDDLE WEST SPIRITS, LLC.
Owner/Builder

1165 ALUM CREEL DR
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.94636 Longitude: -82.94544

Elevation of Well in feet: 758.2 +/- 0.5 ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GLOBAL

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 18.8 ft. Date 9/28/2020

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, INC.

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed JOE FLECK (Filed Electronically) Date 11/2/2020

ODH Registration Number 003259

CONSTRUCTION DETAILS

Drilling Method: DIRECT PUSH

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 3.25 inches Depth 24.8 ft.
Casing Diameter 1 in. Length 14.8 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 1 in. Slot Size 0.01 in. Screen Length 10 ft.

Type PREPACKED SLOTTED Material PVC

Set Between 14.8 ft. and 24.8 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 Sand Vol/Wt. Used 100 lbs

Method of Installation Poured (gravity)

Depth: Placed From: 12.8 ft. To: 24.8 ft.

GROUT

Material Bentonite Vol/Wt. Used 50 lbs

Method of Installation Poured (gravity)

Depth: Placed From: 12.8 ft. To: 0 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	FIRM	SOIL	0	1
GRAY-BROWN	SILTY	SILT AND CLAY	1	8
BROWN	CLAYEY	SILT	8	18
BROWN	SANDY/SILTY	GRAVEL AND SAND	18	24.8
		Water Encountered At	19	24.8

Aquifer Type (Formation producing the most water.) GRAVEL & SAND

Date of Well Completion 9/28/2020 Total Depth of Well 24.8 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2082953

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

MIDDLE WEST SPIRITS, LLC
Owner/Builder

1165 ALUM CREEK DR
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.946527 Longitude: -82.94633

Elevation of Well in feet: 758.2 +/- 0.5 ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GLOBAL

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:
B-18

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 19.2 ft. Date 9/28/2020

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, INC.

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed JOE FLECK (Filed Electronically) Date 11/2/2020

ODH Registration Number 003259

CONSTRUCTION DETAILS

Drilling Method: DIRECT PUSH

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 3.25 inches Depth 24.9 ft.
Casing Diameter 1 in. Length 14.9 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 1 in. Slot Size 0.01 in. Screen Length 10 ft.

Type PREPACKED SLOTTED Material PVC

Set Between 14.9 ft. and 24.9 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 SAND Vol/Wt. Used 100 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 24.9 ft.

GROUT

Material Bentonite Vol/Wt. Used 50 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 0 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	FIRM	SOIL	0	1
GRAY-BROWN	SILTY	SILT AND CLAY	1	8
BROWN	CLAYEY	SILT	8	18
BROWN	SANDY/SILTY	GRAVEL AND SAND	18	24.9
		Water Encountered At	19	24.9

Aquifer Type (Formation producing the most water.) GRAVEL & SAND

Date of Well Completion 9/28/2020 Total Depth of Well 24.9 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2082954

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

MIDDLE WEST SPIRITS, LLC
Owner/Builder

1165 ALUM CREEK DR
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.946656 Longitude: -82.946032

Elevation of Well in feet: 758.2 +/- 0.5 ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GLOBAL

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:
B-19

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 21.2 ft. Date 9/28/2020

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, INC.

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed JOE FLECK (Filed Electronically) Date 11/2/2020

ODH Registration Number 003259

CONSTRUCTION DETAILS

Drilling Method: DIRECT PUSH

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 3.25 inches Depth 24.9 ft.
Casing Diameter 1 in. Length 14.9 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 1 in. Slot Size 0.01 in. Screen Length 10 ft.

Type PREPACKED SLOTTED Material PVC

Set Between 14.9 ft. and 24.9 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 SAND Vol/Wt. Used 100 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 14.9 ft. To: 24.9 ft.

GROUT

Material Bentonite Vol/Wt. Used 50 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 14.9 ft. To: 0 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	FIRM	SOIL	0	1
GRAY-BROWN	SILTY	SILT AND CLAY	1	8
BROWN	CLAYEY	SILT	8	18
BROWN	SANDY/SILTY	GRAVEL AND SAND	18	24.9
		Water Encountered At	19	24.9

Aquifer Type (Formation producing the most water.) GRAVEL & SAND

Date of Well Completion 9/28/2020 Total Depth of Well 24.9 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2082955

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

MIDDLE WEST SPIRITS, LLC
Owner/Builder

1165 ALUM CREEK DR
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.946979 Longitude: -82.946298

Elevation of Well in feet: 758.2 +/- 0.5 ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GLOBAL

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:
B-20

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 18.9 ft. Date 9/28/2020

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, INC.

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed JOE FLECK (Filed Electronically) Date 11/2/2020

ODH Registration Number 003259

CONSTRUCTION DETAILS

Drilling Method: DIRECT PUSH

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 3.25 inches Depth 24.9 ft.
Casing Diameter 1 in. Length 14.9 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 1 in. Slot Size 0.01 in. Screen Length 10 ft.

Type PREPACKED SLOTTED Material PVC

Set Between 14.9 ft. and 24.9 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 SAND Vol/Wt. Used 100 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 24.9 ft.

GROUT

Material Bentonite Vol/Wt. Used 50 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 0 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	FIRM	SOIL	0	1
GRAY-BROWN	SILTY	SILT AND CLAY	1	8
BROWN	CLAYEY	SILT	8	18
BROWN	SANDY/SILTY	GRAVEL AND SAND	18	24.9
		Water Encountered At	19	24.9

Aquifer Type (Formation producing the most water.) GRAVEL & SAND

Date of Well Completion 9/28/2020 Total Depth of Well 24.9 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2082956

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

MIDDLE WEST SPIRITS, LLC
Owner/Builder

1165 ALUM CREEK DR
Address of Well Location

City COLUMBUS Zip Code +4 43209

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.946888 Longitude: -82.94652

Elevation of Well in feet: 758.2 +/- 0.5 ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source GLOBAL

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:
B-21

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 18.5 ft. Date 9/28/2020

Measured from TOP OF CASING

Pumping test method BAILING

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm ENVIROCORE, INC.

Address 8250 ESTATES PK

City, State, Zip PLAIN CITY OH 43064

Signed _____ JOE FLECK (Filed Electronically) Date 11/2/2020

ODH Registration Number 003259

CONSTRUCTION DETAILS

Drilling Method: DIRECT PUSH

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 3.25 inches Depth 24.9 ft.
Casing Diameter 1 in. Length 14.9 ft. Thickness 0.154 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 0 ft.

Type 1: PVC
Type 2: _____

Joints 1: Threaded
Joints 2: _____

SCREEN

Diameter 1 in. Slot Size 0.01 in. Screen Length 10 ft.

Type PREPACKED SLOTTED Material PVC

Set Between 14.9 ft. and 24.9 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 SAND Vol/Wt. Used 100 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 24.9 ft.

GROUT

Material Bentonite Vol/Wt. Used 50 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 12.9 ft. To: 0 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN	FIRM	SOIL	0	1
GRAY-BROWN	SILTY	SILT AND CLAY	1	8
BROWN	CLAYEY	SILT	8	18
BROWN	SANDY/SILTY	GRAVEL AND SAND	18	24.9
		Water Encountered At	19	24.9

Aquifer Type (Formation producing the most water.) GRAVEL & SAND

Date of Well Completion 9/28/2020 Total Depth of Well 24.9 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number: 2089221

Page 1 of 1 for this record.

WELL LOCATION

County FRANKLIN Township COLUMBUS

LAYNE
Owner/Builder

1800 E LIVINGSTON AVE
Address of Well Location

City COLUMBUS Zip Code +4 43205

Permit No. _____ Section; _____ *and or* Lot No. _____

Use of Well DEWATERING WELL

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N ☐ X _____ +/- _____ ft.

S ☐ Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 39.948918 Longitude: -82.9499

Elevation of Well in feet: _____ +/- _____ ft.

Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source _____

Source of Coordinates: GLOBAL POSITIONING SYSTEM

Well location written description:

Comments on water quality/quantity and well construction:

WELL TEST *

Pre-Pumping Static Level 12 ft. Date 10/23/2021

Measured from TOP OF CASING

Pumping test method PUMPING

Test Rate 50 gpm Duration of Test 2 hrs.

Feet of Drawdown 15 ft. Sustainable Yield 50 gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm EATON WELL DRILLING INC

Address 10343 CR 41

City, State, Zip WEST LIBERTY OH 43357

Signed Jacob A. Crabtree (Filed Electronically) Date 10/25/2021

ODH Registration Number 3691

CONSTRUCTION DETAILS

Drilling Method: MUD ROTARY

BOREHOLE/CASING (Measured from ground surface)

1 Borehole Diameter 22.75 inches Depth 30 ft.
Casing Diameter 20 in. Length 30 ft. Thickness 0.25 in.

2 Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 1.4 ft.

Type 1: Steel
Type 2: _____

Joints 1: Solvent
Joints 2: _____

SCREEN

Diameter 20 in. Slot Size 0.02 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material GALVANIZED STEEL

Set Between 30 ft. and 40 ft.

GRAVEL PACK (Filter Pack)

Material/Size #2 Vol/Wt. Used 6000 LBS

Method of Installation Tremie

Depth: Placed From: 15 ft. To: 40 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 600 LBS

Method of Installation Poured (gravity)

Depth: Placed From: 0 ft. To: 30 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
BROWN		CLAY	0	12
BROWN		SAND AND GRAVEL	12	23
BROWN		CLAYSANDGRAVEL	23	40
		Water Encountered At	30	40

Aquifer Type (Formation producing the most water.) CLAY/SAND/GRAVEL

Date of Well Completion 10/23/2021 Total Depth of Well 40 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Deptartment.

APPENDIX E
CHEMICALS OF CONCERN TABLE

Appendix E: Chemicals of Concern

PANDEY
ENVIRONMENTAL, LLC

Bexley 937 Ferndale: 937 Ferndale Place; Bexley, Ohio

The list below represents specific chemicals of concern for each identified area. It is important to note that laboratory analytical suites are often broader than the lists shown below. For instance, a lab may have many more analytes in its default "VOCs" package than those listed below. As such, the analyses listed below represent a minimum group of analytes for each identified area, and additional analyses may have been performed. Chemical Abstract Service (CAS) numbers are represented in parentheses after each chemical name.

Site-Wide-Soils: Site-Wide Soils

Metals & Inorganic Analytes

Arsenic, Inorganic (7440-38-2)

Cadmium (7440-43-9)

Chromium, Total (7440-47-3)

Lead and Compounds (7439-92-1)

Mercury and Compounds (7439-97-6)

Selenium (7782-49-2)

Silver (7440-22-4)

Volatile Organic Compounds (VOCs)

Acetone (67-64-1)

Benzene (71-43-2)

Carbon Disulfide (75-15-0)

Carbon Tetrachloride (56-23-5)

Chlorobenzene (108-90-7)

Chloroform (67-66-3)

Chloromethane (74-87-3)

Cumene (98-82-8)

Dichlorobenzene, 1,2- (95-50-1)

Dichlorobenzene, 1,4- (106-46-7)

Dichloroethane, 1,1- (75-34-3)

Dichloroethylene, 1,1- (75-35-4)

Dichloroethylene, 1,2-trans- (156-60-5)

Ethylbenzene (100-41-4)

Methyl Ethyl Ketone (2-Butanone) (78-93-3)

Methyl tert-Butyl Ether (MTBE) (1634-04-4)

Methylene Chloride (75-09-2)

n-butyl benzene (104-51-8)

n-propyl benzene (103-65-1)

Sec-butyl benzene (135-98-8)

Tetrachloroethylene (127-18-4)

Toluene (108-88-3)

Trichloroethane, 1,1,1- (71-55-6)

Trichloroethane, 1,1,2- (79-00-5)

Trichloroethylene (79-01-6)

Trihalomethanes, Total (TotTHM)

Trimethylbenzene, 1,2,4- (95-63-6)

Trimethylbenzene, 1,3,5 (108-67-8)

Vinyl Chloride (75-01-4)

Xylenes (1330-20-7)

Semi-Volatile Organic Compounds (SVOCs)

Acenaphthene (83-32-9)

Acenaphthylene (208-96-8)

Anthracene (120-12-7)

Benz[a]anthracene (56-55-3)

Benzo(g,h,i)perylene (191-24-2)

Benzo[a]pyrene (50-32-8)

Benzo[b]fluoranthene (205-99-2)

Benzo[k]fluoranthene (207-08-9)

Appendix E: Chemicals of Concern

PANDEY
ENVIRONMENTAL, LLC

Bexley 937 Ferndale: 937 Ferndale Place; Bexley, Ohio

The list below represents specific chemicals of concern for each identified area. It is important to note that laboratory analytical suites are often broader than the lists shown below. For instance, a lab may have many more analytes in its default "VOCs" package than those listed below. As such, the analyses listed below represent a minimum group of analytes for each identified area, and additional analyses may have been performed. Chemical Abstract Service (CAS) numbers are represented in parentheses after each chemical name.

Site-Wide-Soils: Site-Wide Soils

Semi-Volatile Organic Compounds (SVOCs)

Butyl Benzyl Phthlate (85-68-7)

Dibenz[a,h]anthracene (53-70-3)

Fluoranthene (206-44-0)

Indeno[1,2,3-cd]pyrene (193-39-5)

Naphthalene (91-20-3)

Phenol (108-95-2)

Bis(2-ethylhexyl)phthalate (117-81-7)

Chrysene (218-01-9)

Dibutyl Phthalate (84-74-2)

Fluorene (86-73-7)

Methylnaphthalene, 2- (91-57-6)

Phenanthrene (85-01-8)

Pyrene (129-00-0)

APPENDIX F
ANALYSES WITH MDL ABOVE STANDARDS

Table F-1: Soil Analyses with MDL above Standard

Bexley 937 Ferndale: 937 Ferndale Place; Bexley, Ohio

PANDEY
ENVIRONMENTAL, LLC

Sample ID	Sample Date	Method Detection Limit (MDL)	Reporting Limit (RL)	Unrestricted/ Residential Standard	Commercial w/ High Freq. Child Exp. Standard	Commercial/ Industrial Standard	Construction Standard
Aminobiphenyl, 4- (CAS 92-67-1)							
937 Ferndale:SB-1:6-8	1/24/2024	N/A	0.9	0.52	1.65	3.4	53
937 Ferndale:SB-2:4-6	1/24/2024	N/A	0.91	0.52	1.65	3.4	53
937 Ferndale:SB-3:2-4	1/24/2024	N/A	0.83	0.52	1.65	3.4	53
937 Ferndale:SB-4:2-4	1/24/2024	N/A	1	0.52	1.65	3.4	53
937 Ferndale:SB-5:2-4	1/24/2024	N/A	0.91	0.52	1.65	3.4	53
937 Ferndale:SB-6:6-8	1/24/2024	N/A	0.79	0.52	1.65	3.4	53
Benzidine (CAS 92-87-5)							
937 Ferndale:SB-1:6-8	1/24/2024	N/A	0.45	0.047	0.151	0.31	4.8
937 Ferndale:SB-2:4-6	1/24/2024	N/A	0.45	0.047	0.151	0.31	4.8
937 Ferndale:SB-3:2-4	1/24/2024	N/A	0.42	0.047	0.151	0.31	4.8
937 Ferndale:SB-4:2-4	1/24/2024	N/A	0.52	0.047	0.151	0.31	4.8
937 Ferndale:SB-5:2-4	1/24/2024	N/A	0.46	0.047	0.151	0.31	4.8
937 Ferndale:SB-6:6-8	1/24/2024	N/A	0.4	0.047	0.151	0.31	4.8
Dimethylbenz(a)anthracene, 7,12- (CAS 57-97-6)							
937 Ferndale:SB-1:6-8	1/24/2024	N/A	0.45	0.041	0.126	0.25	4
937 Ferndale:SB-2:4-6	1/24/2024	N/A	0.45	0.041	0.126	0.25	4
937 Ferndale:SB-3:2-4	1/24/2024	N/A	0.42	0.041	0.126	0.25	4
937 Ferndale:SB-4:2-4	1/24/2024	N/A	0.52	0.041	0.126	0.25	4
937 Ferndale:SB-5:2-4	1/24/2024	N/A	0.46	0.041	0.126	0.25	4
937 Ferndale:SB-6:6-8	1/24/2024	N/A	0.4	0.041	0.126	0.25	4
Methylcholanthrene, 3- (CAS 56-49-5)							
937 Ferndale:SB-4:2-4	1/24/2024	N/A	0.52	0.49	1.6	3.2	51
Nitrosodiethylamine, N- (CAS 55-18-5)							
937 Ferndale:SB-1:6-8	1/24/2024	N/A	0.45	0.072	0.231	0.47	7.4
937 Ferndale:SB-2:4-6	1/24/2024	N/A	0.45	0.072	0.231	0.47	7.4
937 Ferndale:SB-3:2-4	1/24/2024	N/A	0.42	0.072	0.231	0.47	7.4
937 Ferndale:SB-4:2-4	1/24/2024	N/A	0.52	0.072	0.231	0.47	7.4
937 Ferndale:SB-5:2-4	1/24/2024	N/A	0.46	0.072	0.231	0.47	7.4
937 Ferndale:SB-6:6-8	1/24/2024	N/A	0.4	0.072	0.231	0.47	7.4
Nitrosodimethylamine, N- (CAS 62-75-9)							
937 Ferndale:SB-1:6-8	1/24/2024	N/A	0.45	0.164	0.859	1.1	11
937 Ferndale:SB-2:4-6	1/24/2024	N/A	0.45	0.164	0.859	1.1	11
937 Ferndale:SB-3:2-4	1/24/2024	N/A	0.42	0.164	0.859	1.1	11
937 Ferndale:SB-4:2-4	1/24/2024	N/A	0.52	0.164	0.859	1.1	11
937 Ferndale:SB-5:2-4	1/24/2024	N/A	0.46	0.164	0.859	1.1	11
937 Ferndale:SB-6:6-8	1/24/2024	N/A	0.4	0.164	0.859	1.1	11

All values are in mg/kg (ppm)

Standards are single chemical Generic Direct Contact Soil Standards (GDCSS)