Site Investigation Report
D&D Mountain Air Cleaners
309 South Paseo de Oñate
Española, New Mexico

Prepared for

D&D Mountain Air Cleaners
Española, New Mexico

Prepared by

DBS&A
a Geo-Logic Company

6020 Academy NE, Suite 100
Albuquerque, New Mexico 87109
www.dbstephens.com
DB21.1167

January 25, 2024

Table of Contents

1. Introduction 1
   1.1 Purpose of the Site Assessment 1
   1.2 Scope of Work 1
2. Background 2
   2.1 Site Description 2
   2.2 Site History 3
   2.3 Previous Investigations 4
   2.4 Physical Setting and Hydrogeology 5
   2.5 Contaminants of Concern 5
3. Field Investigation 5
   3.1 Passive Soil Gas Sampling 6
   3.2 Groundwater Quality Screening 6
   3.3 New Monitor Wells 7
   3.4 Drilling and Soil Sampling 7
      3.4.1 Well Installation and Development 8
      3.4.2 Survey 8
   3.5 Groundwater Monitoring 9
   3.6 Investigation Derived Waste 9
   3.7 Deviations 10
   3.8 Field Quality Assurance 10
4. Analytical Results 10
   4.1 PSG 11
   4.2 Soil Samples 11
   4.3 Groundwater Quality Screening 11
   4.4 Groundwater Monitoring 12
5. Conclusions and Recommendations 13
   5.1 Conclusions 13
   5.2 Data Gaps 14
   5.3 Recommendations 15
6. Statement and Signatures 15
References 16

List of Figures

1 Area Map
2 Site Map
3 Vicinity Map with Off-Site Monitor Well Locations
4 PCE Concentrations in Soil Gas
5 Potentiometric Surface Map, November 30 and December 1, 2023
6 Distribution of Dissolved-Phase Contaminants, November 30 and December 1, 2023
7 PCE Concentrations in Groundwater, November 30 and December 1, 2023
8 TCE Concentrations in Groundwater, November 30 and December 1, 2023

List of Tables

1 Passive Soil Gas Analytical Results
2 Measured Fluid Levels
3 Groundwater Analytical Organic Chemistry Data

List of Appendices

A Field Notes
B Photographs
C Laboratory Reports
D FROG Analysis
E Office of the State Engineer Well Permits
F Boring Logs and Well Completion Diagrams
G Survey Report
H Waste Manifest

1. Introduction

At the request of the New Mexico Environment Department (NMED), Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this site investigation report for the D&D Mountain Air Cleaners dry cleaning facility (the site), located at 309 South Paseo de Oñate in Española, New Mexico (Figures 1 and 2). DBS&A performed site investigation activities in accordance with Section 20.6.2.4106, paragraphs C(1) and C(2) of the New Mexico Administrative Code (NMAC). The objectives and methods of the investigation were set forth in detail in the DBS&A work plan submitted on January 6, 2023 (DBS&A, 2023) and accepted by the NMED on April 3, 2023 (NMED, 2023b).

This report outlines the results of the investigation, with the primary objectives of characterizing the extent and distribution of environmental contamination associated with a tetrachloroethene (PCE) release in the site vicinity. This report includes a background description of the site and describes data collection activities, analytical results, and conclusions based on the data collected as required by the Stage 1 abatement plan proposal (APP) and work plan (DBS&A, 2021a) and the approved project SAP (DBS&A, 2021b).

1.1 Purpose of the Site Assessment

The purpose of this investigation, as detailed in the approved project SAP, is to quantitatively evaluate the contaminant source and extent using a systematic approach. This approach will assist in further characterizing the PCE release within the study area by quantifying contaminants of concern (COCs) in soil vapor and groundwater on the site and in downgradient groundwater monitor wells. The current investigation builds on the results of the previous site assessment activities conducted by DBS&A in 2021 and 2022. DBS&A will evaluate the investigation results to assess the risk to human health and the environment in support of recommendations for potential remedial action under 20.6.3.400.A NMAC.

1.2 Scope of Work

The scope of work conducted as part of this field investigation included the following:

- Conducting a subsurface field investigation, including acquisition of data followed by data review and validation as described in the approved site investigation work plan (DBS&A, 2023)

- Preparing this summary report that outlines the results of the field investigation, along with pertinent conclusions and recommendations in accordance with 20.6.2.4106 NMAC

The project SAP was submitted to the NMED on September 9, 2021 (DBS&A, 2021b) and was accepted by NMED on October 5, 2021. The work plan for this field investigation was submitted to the NMED Ground Water Quality Bureau (GWQB) on January 6, 2023 and was conditionally approved by NMED GWQB on April 3, 2023 (NMED, 2023).

The field investigation was implemented between October and December 2023, and included the following tasks corresponding to the data quality objectives (DQOs) set forth in the approved project SAP:

- Obtained access permissions from participating private landowners, right-of-way work permits from the City of Española including any required traffic control plans, and well permits from the New Mexico Office of the State Engineer (OSE).
- Collected passive soil gas (PSG) samples at nine locations within and near the subject property (Figure 2)
- Performed groundwater quality screening at seven locations (Figure 2)
- Installed two new groundwater monitor wells (Figures 2 and 3)
- Performed groundwater sampling of the new monitor wells in addition to selected existing wells in the site vicinity (Figure 3)
- Performed quality control sampling in accordance with the approved project SAP
- Completed reporting in accordance with the approved work plan

2. Background

The following summary of site background information is based on materials provided by D&D Mountain Air Cleaners and NMED, as well as the findings of the Phase I ESA detailing the site history and findings of previous characterization efforts.

2.1 Site Description

The site consists of a 0.89-acre parcel occupied by an approximately 6,000-square foot structure. The parcel is bounded on the south by Paseo de Oñate. Surrounding property usage is

currently mixed commercial and residential in nature. The facility is attached to a commercial building immediately to the east. The parcel west of the site is an unpaved parking area for the adjacent business. The parcel north of the site is a private residence. To the south across Paseo de Onate is a retail building currently occupied by South West Metal Products and Española Community Market Natural Food Co-op. The southern portion of the site is partially paved with asphalt and the northern portion of the site is unpaved. A site map is provided in Figure 2.

2.2 Site History

Information provided by D&D Mountain Air Cleaners indicates that the facility has been used as a dry cleaner since early 2003. Use of PCE in the cleaning process was discontinued in approximately 2012. The on-site structure remains in use as a dry-cleaning facility. Additional information on the site history was gathered during the Phase I ESA (DBS&A, 2021c) and is summarized below:

- The Mountain Air Cleaners property was initially developed with the current building sometime between 1935 and 1951.
- Based on interviews with the property owners and the owner of the nearby Rivera Funeral Home, the property was at one time a bar and dance hall. It then housed the offices of the New Mexico Motor Vehicle Department. After approximately 5 years of vacancy, the current owners purchased the property in 2002.
- When the original dry-cleaning machine was removed, the 6-inch concrete slab that supported it was also removed down to the original approximately 4-inch concrete floor. A two-layer epoxy seal was applied to the floor in the area of the machine. Visible evidence of the epoxy coating and anchor bolt holes were observed where the machine was located. A replacement Petrol Dry machine was subsequently installed. No stains or leaks were observed around the machine during the site reconnaissance, and solvents and other chemicals for the dry-cleaning machine appeared to be properly stored; no leaks or stains were observed.

NMED, in cooperation with the U.S. Environmental Protection Agency (EPA), has been conducting remedial actions at the North Railroad Avenue Plume (NRAP) Superfund Site in Española, New Mexico since 2005. Based on soil gas and groundwater sampling data, NMED and EPA have recently proposed a second plume located east of the NRAP Superfund plume (NMED, 2019; EA, 2018). This proposed separate plume has been termed the "Calle Chavez Groundwater Plume" (Calle Chavez plume). NMED has identified the D&D Mountain Air

Cleaners facility as a potential source of the proposed Calle Chavez Groundwater Plume. In a letter dated February 25, 2021, NMED required that D&D Mountain Air Cleaners submit a Stage 1 APP, pursuant to Section 4104 of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC).

2.3 Previous Investigations

Although the NRAP Superfund site located west of the site has been the subject of intensive study for several decades (e.g., DES, 2001; NMED, 2010; NMED, 2019; EA, 2020) comparatively little assessment has been conducted in the vicinity of Mountain Air Cleaners. The following assessments have resulted in the proposal of the Calle Chavez plume and regulatory actions with respect to the Mountain Air Cleaners facility:

- In 2015, increasing COC concentrations were noted in downgradient well BC-6, which had historically been east of impacts associated with the NRAP plume.
- In 2017 and 2018, EPA and its contractors completed an assessment of shallow soil vapor in the area between Paseo de Oñate and Calle Chavez.
- In 2018 and 2019, NMED and its contactors installed new "PASMW" monitor wells and collected groundwater samples in the area between the site and well BC-6 (Figure 3). Analytical results verified the presence of COCs in groundwater south of the Mountain Air Cleaners site (Intera, 2019). Several wells along the eastern margin of the NRAP site historically contained only low concentrations of COCs, and results from these wells currently indicate no detectable PCE or trichloroethene (TCE) contamination. On this basis, NMED concluded that the Calle Chavez plume is separate from the NRAP site, and referred the matter to NMED's state regulatory programs for further investigation (NMED, 2021a).
- From December 2021 through March 2022, DBS&A conducted a site characterization investigation at the site. Passive soil gas sampling results suggested a primary PCE source area located west of the Mountain Air Cleaners facility, near the site property boundary (DBS&A, 2022). Groundwater monitoring confirmed the presence of a chlorinated solvent plume in groundwater extending southward from the site vicinity, and improved delineation of the extent of the contaminant plume. The current investigation addresses data gaps in the site characterization identified in the previous report (DBS&A, 2022).

2.4 Physical Setting and Hydrogeology

According to the U.S. Geological Survey (USGS) 7.5-minute topographic map of the Española Quadrangle, New Mexico, the site is located in Section 3, Township 20 North, Range 8 East at approximately 5,600 feet above mean sea level (feet msl) (USGS, 2020). Regional topography slopes generally to the east in the site vicinity. The Rio Grande is the principal surface drainage, and is located approximately 900 feet east of the site. The site itself is predominantly flat.

Based on the regional geologic map of the Española 7.5-minute quadrangle, Rio Arriba and Santa Fe Counties, New Mexico (Koning, 2002), the site is underlain by unconsolidated quaternary alluvial deposits. The alluvial deposits consist of sediments of local origin, dominated by gravel, sand, silt, and localized clay layers. Soil samples collected during installation of PASMW-1, installed in 2019 immediately south of the site, indicate that the subsurface lithology is characterized by silty sand, gravel with sand, and silt to a depth of 25 feet below ground surface (bgs), with a clay layer present at approximately 8 feet bgs (Intera, 2019). Drilling conducted as part of this on-site investigation indicated fine-grained, silty sand soil from the surface to approximately 7 feet bgs, underlain by interbedded sand and gravel. Groundwater beneath the site is encountered at approximately 9 feet bgs. New monitor wells are screened in the uppermost, shallow hydrostratigraphic unit S1, as defined in the NRAP site conceptual model (DES, 2001; Intera, 2019). The groundwater flow direction in the site vicinity is generally to the south or south-southeast (NMED, 2019).

2.5 Contaminants of Concern

The site COCs are determined based on the site history and the results of investigations related to the NRAP Superfund site. COCs associated with the site include the chlorinated solvent PCE, presumably associated with dry-cleaning operations, which has historically been detected in wells south and west of the site at concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) standard, and continues to be present in groundwater samples collected as part of the NRAP Superfund site monitoring. PCE degradation products TCE, cis-1,2-dichloroethene (DCE), trans-1,2-DCE, and vinyl chloride are also considered COCs.

3. Field Investigation

Environmental site characterization activities were performed in accordance with the approved project SAP (DBS&A, 2021b). The SAP includes a description of the proposed methods and

strategies for collecting PSG samples, as well as the methods and strategies for collecting groundwater samples to identify COCs present at the site. The following subsections describe site characterization activities conducted between October and December 2023. Field notes and sampling records from the investigation are provided in Appendix A. Photographs of the field investigation activities are provided in Appendix B. Complete laboratory analytical results are provided in Appendix C. Groundwater quality screening analysis for each screening location is provided in Appendix D.

3.1 Passive Soil Gas Sampling

A total of nine primary PSG samples, designated PSG-1-2023 through PSG-9-2023, were collected at the locations specified in the approved work plan and shown on Figure 2. DBS&A field personnel deployed Waterloo Membrane Samplers™, constant-uptake samplers capable of delivering quantitative results for concentrations of volatile organic compounds (VOCs) in soil gas.

PSG sample devices were deployed on October 6, 2023 to a depth of approximately 2 feet bgs, and were retrieved on October 16, 2023. PSG samplers were prepared, deployed, and recovered in accordance with procedures presented in the project SAP and the manufacturer's guidance (DBS&A, 2021b). In total, nine primary samples, one duplicate sample, and one blank sample were analyzed by Eurofins Air Toxics, LLC (Eurofins) in Folsom, California, for VOCs using EPA method TO-17.

3.2 Groundwater Quality Screening

On November 14 and 15, DBS&A installed temporary monitor wells to collect samples at seven locations using a direct-push drilling rig equipped with a Geoprobe Systems Screen Point 16 (SP16) groundwater sampling system. The SP16 system consists of a screened section covered by a screen sheath, which is retracted at the desired sampling depth. The screen sheath forms a mechanical annular seal above the screened interval. The SP16 groundwater sampler was driven to approximately 3 feet below the static water level in the locations shown on Figure 2 to obtain groundwater grab samples from the shallow aquifer for field screening. Upon reaching the specified depth, the sheath was retracted to expose the screen.

The temporary wells were then sampled using disposable, one-time-use teflon tubing and a peristaltic pump using the "soda straw" method as described in SESDPROC-301-R4 (U.S. EPA, 2023). Two groundwater samples were collected from each temporary groundwater quality

screening well: one for field screening and one for laboratory analysis. Samples were field-screened for the project COCs using a Defiant Technologies, Inc. FROG-5000 portable gas chromatograph. Between each screening sample analysis, cleaning cycles and blank sample runs consisting of deionized water were conducted to ensure thorough decontamination of the analytical equipment.

Chromatograph spectra generated during FROG analysis of each groundwater quality screening sample are provided in Appendix D. Groundwater samples were submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for VOC analysis using EPA method 8260B. One duplicate sample was collected for laboratory analysis.

3.3 New Monitor Wells

In accordance with the approved site investigation work plan, two new groundwater monitor wells were installed downgradient of the Mountain Air property to assess groundwater quality conditions south of the presumed source of the proposed Calle Chavez plume.

New well installation activities were conducted on November 14 and 15, 2023. Atkins Engineering Associates, Inc. (AEA) of Roswell, New Mexico, a New Mexico-licensed well driller, provided drilling and well installation services. Prior to drilling, DBS&A obtained the necessary utility clearances and well permits from the OSE. A copy of the approved well permit is provided in Appendix E. DBS&A technical staff provided supervision of field activities and maintained detailed logs of materials encountered during drilling. Well drilling and installation activities are summarized in the following subsections.

3.4 Drilling and Soil Sampling

Boreholes were advanced using the hollow-stem auger drilling method to total depths of approximately 20 feet bgs. The final depth of each boring was determined by the DBS&A field staff based on the depth to groundwater observed in the borehole. Target borehole depth was approximately 10 feet below the current water table. Geologic materials encountered during drilling consisted of a surficial interval of fine-grained silty sand to approximately 7 feet bgs, underlain by interbedded sand and gravel to total depth. Flowing sands were encountered in both boreholes below the water table.

During drilling of new wells, samples were collected continuously from the soil borings using disposable acetate sleeves. For sample intervals above the water table, three subsamples were collected immediately from each 2-foot interval: one for field screening, one for potential

submittal to an analytical laboratory, and one for geologic description. Field screening was conducted using a photoionization detector (PID) and the heated headspace method. The sample yielding the highest PID reading from each borehole was submitted to HEAL for analysis of VOCs using EPA method 8260B in accordance with the approved project SAP. PID field screening results are shown on the boring logs (Appendix F). Field screening results from borehole DBS-1 did not indicate total VOC concentrations above 10 parts per million by volume (PPMV) in any sample interval. All field screening results were less than 1.0 ppmv total hydrocarbons for samples from borehole DBS-2, and the sample from just above the water table was selected for laboratory analysis.

3.4.1 Well Installation and Development

Following completion of drilling at each location, soil borings were completed as shallow groundwater monitor wells. Wells were constructed of 2-inch-diameter Schedule 40 (SCH 40) polyvinyl chloride (PVC) materials. Well screens consisted of 15 feet of flush-threaded, machine-cut 0.020-inch-slot well screen. Target well screen placement was approximately 5 feet above and 10 feet below the static water table, although the final depth to water may vary slightly from that observed in the borehole during well construction.

In each well, a filter pack consisting of 10/20 silica sand was installed in the well annulus from the bottom of the soil boring to approximately 2 feet above the top of the well screen. A minimum 1-foot-thick activated bentonite chip seal was then installed on top of the filter pack. The remaining annulus was filled with a bentonite-cement grout. New well installations were completed at the surface with a locking cap within an 8-inch-diameter, flush-mount, traffic-grade well vault. A 2-foot-diameter by 6-inch-thick concrete pad was installed around the well vault. Well completion diagrams are provided with the geologic logs in Appendix F.

After completion, each well was developed by pumping, until temperature, pH, and conductivity stabilized and turbidity was reduced to the extent practicable. Groundwater removed from the wells during development was handled with other investigation-derived waste (IDW), as described in Section 3.6.

3.4.2 Survey

The horizontal and vertical positions of the new monitor wells were surveyed to a common datum with the existing NRAP monitor wells by AEA, a New Mexico-licensed land surveyor. The surveyor's report is provided in Appendix G.

3.5 Groundwater Monitoring

Following completion of the new well installations, a single groundwater monitoring event was conducted on November 30 and December 1, 2023. The groundwater monitoring event included the newly installed wells DBS-01 and DBS-02, previously installed on-site wells MAMW-01 and MAMW-02, and selected existing wells associated with the NRAP Superfund site, including wells EX-13, R-12(S1), R-16(S2), BC-5, BC-6, PASMW-01, PASMW-02, and PASMW-03. New and existing well locations are shown on Figure 3.

Fluid level measurements were obtained in the 2 newly installed monitor wells and 10 existing wells using a properly decontaminated water level indicator. The monitor wells were sampled by the micro-purge method using a variable frequency drive pump and dedicated polyethylene tubing in accordance with the approved investigation work plan (DBS&A, 2023). Field parameters, including pumping rate, drawdown, specific conductivity, pH, oxidation/reduction potential (ORP), dissolved oxygen, and temperature, were measured in the monitor wells both prior to and during purging. One trip blank and two field duplicates were also submitted for laboratory analysis. Groundwater samples were analyzed by HEAL for VOCs using EPA method 8260B.

3.6 Investigation Derived Waste

Waste soil cuttings from the well installations were containerized in properly labeled, Department of Transportation (DOT) approved, 55-gallon steel drums. Two soil drums were transported by AEA to a secondary containment yard in Roswell, New Mexico for temporary storage pending waste profiling. Two drums of water were generated during well development and were also transported and stored with the soil drums. Field sampling results were supplied to AEA for waste characterization and profiling. Gandy Marley, Inc. of Roswell, New Mexico picked up the two soil drums and two development water drums for proper disposal on January 4, 2024. The waste manifest is provided in Appendix H.

Small quantities of purged groundwater were generated during the groundwater monitoring event. Purged water was contained in a 55-gallon drum and transported to the DBS&A warehouse facility in Albuquerque, New Mexico for storage pending analysis. As of the date of this report, the drum is temporarily staged within a secondary containment awaiting pickup and proper disposal.

3.7 Deviations

The following deviations from the approved investigation work plan are noted:

- The proposed PSG sample location farthest west along Paseo de Oñate was not sampled. The sampling device was damaged in transit prior to delivery and could not be deployed.
- A total of 11 locations were initially proposed for potential groundwater field screening, including 7 primary sampling locations and 4 potential step-out locations. Due to private property owners declining access permission for screening activities, 8 screening locations were retained in the public right-of-way. Due to the lack of detectable contamination in the initial series of screening samples, only 7 sample locations were installed, as shown on Figure 2.

3.8 Field Quality Assurance

To assess the accuracy and precision of analytical results, duplicate and blank samples of each sampled environmental media were submitted to EuroFins and HEAL according to the criteria presented in the approved project SAP (DBS&A, 2021b). Water sampling equipment was dedicated and disposable; no equipment in contact with groundwater samples was reused between sample locations. The water level gauge was properly decontaminated between measurements. Duplicate results were within the acceptance range prescribed in the SAP. Laboratory quality control was conducted in accordance with the requirements presented in the SAP.

4. Analytical Results

The following laboratory analyses were conducted:

- PSG samples were analyzed for VOCs using EPA method TO-17.
- Soil samples were analyzed for VOCs using EPA method 8260B.
- Groundwater samples were analyzed for VOCs using EPA method 8260B.

Laboratory analytical reports are provided in Appendix C. The following subsections describe the analytical results.

4.1 PSG

The PSG samplers employed in this investigation use a fixed-uptake membrane at the sampler inlet, allowing for quantitative determination of VOC concentrations in soil vapor at the sampling location. VOCs were detected in PSG samples from eight of the nine locations (Table 1). The complete laboratory report includes a summary of detections for each sample location, and is provided in Appendix C. Summary results for detected constituents are provided in Table 1.

PCE and TCE were the most commonly detected COCs, present in five samples. The highest PCE concentration in shallow soil gas, 11,000 micrograms per cubic meter (µg/m^3), was detected near the southwestern corner of the property in the sample from PSG-3, exceeding the NMED vapor intrusion screening level (VISL) for industrial properties of 6,550 µg/m^3. PCE concentrations were below the industrial VISL at all other locations sampled during the 2023 site investigation. Figure 4 presents an isoconcentration map depicting the distribution of PCE vapor concentrations in the shallow subsurface at the site, including results from the current and previous investigations.

Other COCs displayed the same general pattern, although at much lower concentrations. TCE concentrations exceeded the NMED industrial VISL of 328 µg/m^3 at locations PSG-5 and PSG-6. Both cis-1,2-DCE and trans-1,2-DCE were only detected at location PSG-5, at concentrations below the NMED industrial VISL (no NMED VISL has been promulgated for cis-1,2-DCE). Vinyl chloride was not detected at any PSG sample location. Petroleum hydrocarbon constituents and chloroform were also detected at low concentrations (Table 1).

4.2 Soil Samples

VOCs were not detected in the primary or duplicate soil samples collected during drilling.

4.3 Groundwater Quality Screening

Field screening of groundwater samples from temporary wells indicated a chromatograph response consistent with the presence of vinyl chloride (Appendix D), although this result also corresponds to a known matrix interference signal, and is present in blank sample runs. FROG analysis did not otherwise indicate the presence of COCs in samples collected from temporary wells at the seven groundwater quality screening locations. For field verification purposes, one groundwater grab sample was also collected from existing site well MAMW-1 for FROG analysis. FROG analysis of the groundwater grab sample collected from MAMW-1 indicated a PCE

concentration of approximately 1,624 micrograms per liter (µg/L), similar to the laboratory analytical result from the subsequent groundwater monitoring event.

Laboratory analyses of verification samples from the temporary wells confirmed the false-positive indications of vinyl chloride. Laboratory results were otherwise consistent with the field screening data, and did not indicate the presence of detectable concentrations of COCs in groundwater samples from the field screening locations.

4.4 Groundwater Monitoring

Groundwater was present in on-site wells at depths of approximately 8 to 9 feet bgs. The selected monitor wells cover a large area (Figure 3), within which depths to water ranged from approximately 6 to 10 feet bgs. Measured water levels were used to construct a potentiometric surface map (Figure 5). The groundwater flow direction in the site vicinity was generally south-southeast, with a relatively flat gradient of 0.001 feet per foot. This finding is consistent with previous monitoring conducted in the site vicinity (e.g., NMED, 2019; EA, 2020; DBS&A, 2022). Measured depths to water and water table elevations during the November 30 and December 1, 2023 monitoring event are summarized in Table 2.

Groundwater analytical results from the current monitoring event are summarized for the site COCs on Figure 6 and in Table 3. Historical water quality analytical data for COCs in the selected monitor wells are provided in Table 3. The complete laboratory report and chain of custody are included in Appendix C.

COCs were detected at concentrations above the NMWQCC standards in 5 of the 12 sampled wells:

- DBS-1: PCE (6.9 µg/L)
- R-12 (S1): TCE (5.6 µg/L)
- MAMW-1: PCE (1,100 µg/L) and TCE (16 µg/L)
- PASMW-01: TCE (50 µg/L), cis-1,2-DCE (340 µg/L), and trans-1,2-DCE (160 µg/L)
- PASMW-03: PCE (5.0 µg/L) and TCE (46 µg/L)

Detected concentrations of other COCs were below the NMWQCC standards (Table 3 and Figure 6). Vinyl chloride was not detected in the groundwater samples, with the exception of PASMW-01, where a vinyl chloride concentration of 1.1 µg/L was reported, below the NMWQCC standard of 2.0 µg/L. COCs were not detected at concentraitons above laboratory reporting

limits in wells DBS-2 and PASMW-02. Concentrations of other VOCs in the sampled wells were below the laboratory reporting limits or NMWQCC standards, with the exception of methylene chloride in well DBS-2 (35 µg/L). Methylene chloride is not associated with dry-cleaning operations, and is not considered a COC for the site.

5. Conclusions and Recommendations

5.1 Conclusions

Based on review of the historical data associated with the site and the results of the current investigation, DBS&A provides the following conclusions with respect to the assessed environmental media and potential exposure pathways:

- By far the highest COC concentrations in shallow soil gas were located along the southwestern property boundary near the December 2021 sample location PSG-5 and 2023 sample location PSG-3. The findings of the current and previous investigations are consistent, and indicate a primary PCE source area that is not located beneath the Mountain Air Cleaners facility, but rather to the west near the property boundary. This area has no known historical uses for the receiving, handling, or storage of dry-cleaning solvents. The presence of 1,1,2-trichloroethane (TCA) at concentrations above the NMED VISL in samples collected in this area during the previous investigation suggests the possibility of a source component unrelated to dry-cleaning operations.
- The sampling completed during this investigation has significantly improved delineation of the Calle Chavez plume identified by NMED. Since the PASMW wells were installed in 2018, contaminant concentrations have decreased in wells PASMW-02 and BC-6, and new wells MAMW-02 and DBS-2 bound the plume to the north and west, resulting in a reduced plume footprint compared to previous interpretations (EA, 2020). The actionable groundwater plume does not appear to extend downgradient significantly beyond Santa Clara Bridge Road (Figures 7 and 8).
- Soil gas data previously collected from properties located to the south of the site were consistent with the presence of volatile COCs in shallow groundwater and the plume extent indicated by initial groundwater sampling (EA, 2018 and 2019). Intera (2019) reported a clay layer above the water table at PASMW-01, which is not present on-site based on borehole

observations at new on-site wells. The clay layer may discourage migration of vapor-phase COCs from the water table to the shallow subsurface near PASMW-01.

- The contaminant profile in well MAMW-01 differs significantly from that observed in other wells within the Calle Chavez plume. Well PASMW-01 is located less than 100 feet from MAMW-01, a well containing few PCE degradation products, suggesting either rapid dechlorination of PCE in the subsurface at the site or a separate, older chlorinated solvent release impacting PASMW-01. Although overall COC concentrations decrease sharply downgradient away from the site, the relative proportions of degradation products do not appear to vary significantly or systematically downgradient along the length of the plume between PASMW-01 and BC-6.
- The contaminant profile in well MAMW-1 is consistent with proximity to a primary PCE release. The concentrations of PCE in shallow soil gas and groundwater and the PCE concentration of 4.4 milligrams per kilogram (mg/kg) in the composite waste soil sample from boring MAMW-01 suggest the potential presence of a residual free-phase PCE source in the soil column near this location.

5.2 Data Gaps

Although the data collected during this site investigation have greatly improved delineation of the dissolved-phase plume in groundwater and definition of the potential source area, limited data gaps remain. Remaining data gaps include the following:

- The Phase 1 ESA (DBS&A, 2021c) reported that business directories were not available for properties in the area surrounding the site prior to 1992. The area west of the site contains many historical commercial and industrial facilities, including a potential historical dry cleaner located just to the west at 326 Paseo de Oñate. The lack of records for this area represents a data gap with respect to potential sources.
- The vertical extent of the Calle Chavez plume is not defined by the existing monitor well network. In the nearby NRAP plume, downward migration of dissolved-phase contaminants has occurred where vertical gradients are induced by groundwater withdrawals from deeper supply wells. No such withdrawals are known to have occurred in the Calle Chavez plume area, and the plume extent is assumed to be limited to the shallow aquifer.
- Analytical results continue to suggest that degradation of a primary PCE source may be occurring in the aquifer under the site. Additional water quality analyses would be required to assess the degradation process and support a future assessment of remedial options.

5.3 Recommendations

Based on the findings of the current site investigation, process knowledge of historical activities at the site and surrounding properties, and results of recent investigations conducted at the site and nearby properties, DBS&A makes the following recommendations to complete the site characterization and support a basis for potential site remediation activities:

- Many of the wells currently used to define the Calle Chavez plume are relatively new, and some have demonstrated significant changes in COC concentrations since installation (Table 3). Quarterly groundwater monitoring is scheduled to continue at the site through 2024, and results will be assessed for determination of long-term or seasonal trends in groundwater elevations and quality.
- DBS&A recommends that Mountain Air assess options to address PCE concentrations above NMED VISLs in sub-slab soil vapor under occupied site structures.

6. Statement and Signatures

We declare that, to the best of our professional knowledge and belief, we meet the definition of *environmental professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

Jason J. Raucci, P.G.
Project Geologist

John Bunch, P.G.
Senior Geologist

References

CDM Smith. 2015. *Final source area/hotspot investigation report – North Railroad Avenue Plume*. October 2015.

Daniel B. Stephens & Associates, Inc (DBS&A). 2021a. *Stage 1 abatement plan proposal and work plan, D&D Mountain Air Cleaners, 309 South Paseo de Oñate, Espanola, New Mexico*. May 17, 2021

DBS&A. 2021b. *Sampling and analysis plan for Stage 1 abatement plan environmental site assessment, D&D Mountain Air Cleaners, 309 South Paseo de Oñate, Española, New Mexico*. Prepared for New Mexico Environment Department Ground Water Quality Bureau, Santa Fe, New Mexico. September 9, 2021

DBS&A. 2021c. *Phase I environmental site assessment, Mountain Air Cleaners, 309 Paseo de Oñate, Española, New Mexico*. Prepared for New Mexico Environment Department Ground Water Quality Bureau, Santa Fe, New Mexico. December 20, 2021

DBS&A. 2022. *Stage 1 Abatement Plan Site Investigation Report D&D Mountain Air Cleaners 309 South Paseo de Oñate, Española, New Mexico.* Prepared for New Mexico Environment Department Ground Water Quality Bureau, Santa Fe, New Mexico. July 27, 2022

DBS&A. 2023. *Work Plan for Additional Site Investigation*, D&D Mountain Air Cleaners, 309 South Paseo de Oñate, Espanola, New Mexico. January 6, 2023

Duke Engineering Services (DES). (March 2001). *Remedial investigation report, North Railroad Avenue Plume Superfund Site, Española, New Mexico, CERCLIS #NMD986670156*. Prepared for New Mexico Environment Department Ground Water Quality Bureau, Superfund Oversight Section and U.S. Environmental Protection Agency Region VI. March 2001.

EA Engineering, Science, and Technology, Inc., PBC (EA). 2018. *Data evaluation technical memorandum, North Railroad Avenue Plume Superfund Site, Española, Rio Arriba County, New Mexico*. Revision 01. March 2018.

EA. 2019. *Phase 2 data evaluation technical memorandum, North Railroad Avenue Plume Superfund Site, Española, Rio Arriba County, New Mexico*. Revision 01. August 2019.

EA. 2020. *Focused remedial investigation report, North Railroad Avenue Plume Superfund Site, Española, Rio Arriba County, New Mexico, EPA Identification No. NMD986670156*. Prepared for the U.S. Environmental Protection Agency. August 2020.

Intera Inc., 2019. *Additional investigation of deep zone – North Railroad Avenue Plume Superfund Site, Española, Rio Arriba County, New Mexico*. August 2019.

New Mexico Environment Department (NMED). 2010. *North Railroad Avenue Plume Superfund Site, Espanola, New Mexico, EPA ID# NMD986670156, Semi-annual ground water sampling report*. November 2010.

NMED. 2019. *North Railroad Avenue Plume Superfund Site, Espanola, New Mexico, EPA ID# NMD986670156, 2017-2019 Long-term response action report*. December 2019.

NMED. 2021a. *Overview of Calle Chavez groundwater plume in Española, NM*. April 2021.

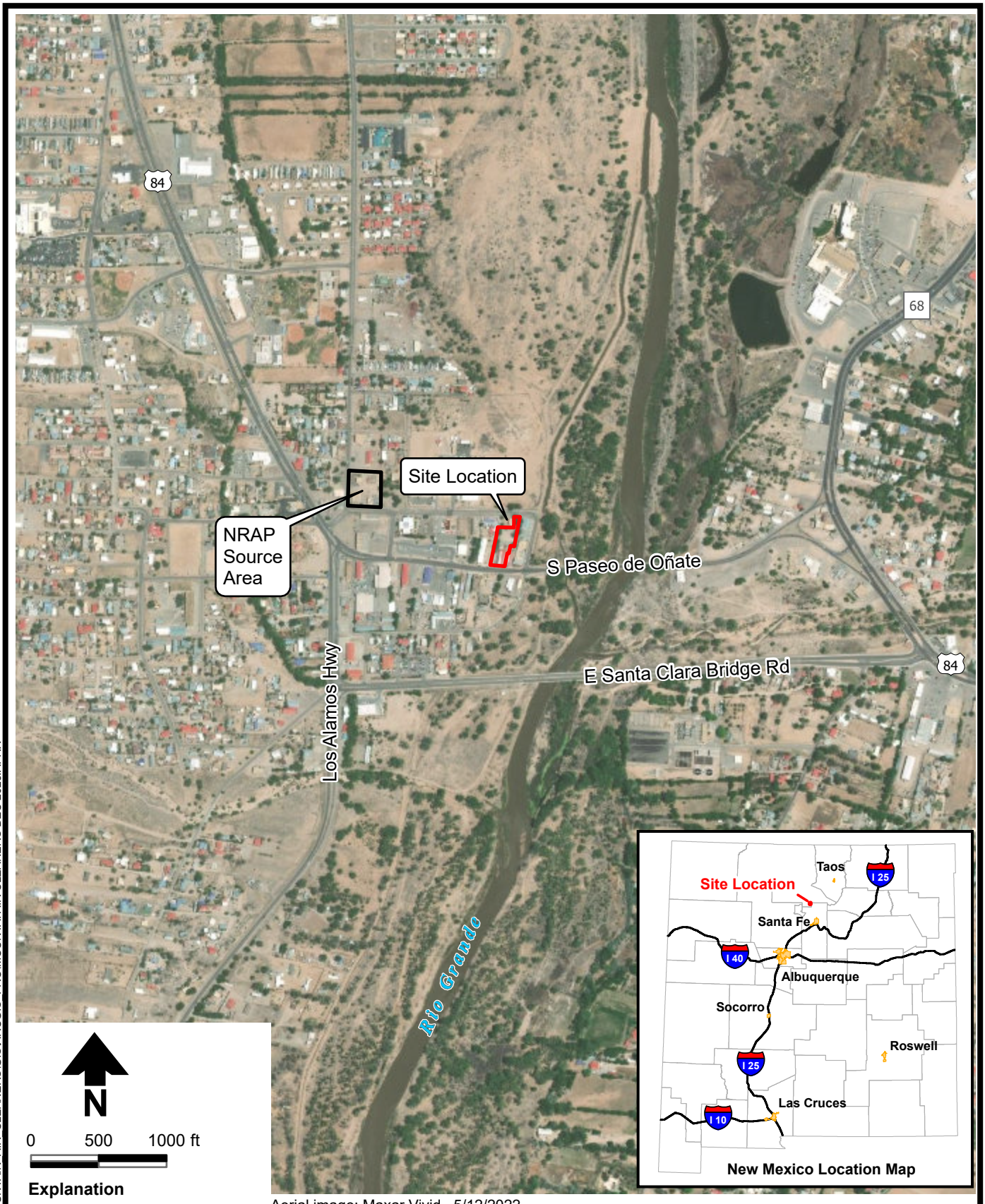
NMED. 2021b. Letter from Michelle Hunter to Dina Quintana and Richard Beaudoin regarding Conditional Stage 1 abatement plan proposal and work plan approval, D&D Mountain Air Cleaners, Española, New Mexico. July 16, 2021.

NMED. 2021c. Letter from Michelle Hunter to Dina Quintana and Richard Beaudoin regarding Sampling and analysis plan approval, Calle Chavez plume, D&D Mountain Air Cleaners, Española, New Mexico, D&D Mountain Air Cleaners, Española, New Mexico. October 5, 2021.

NMED. 2023. Letter from Justin Ball to Dina Quintana and Richard Beaudoin regarding Conditional Work Plan Approval for Additional Site Investigation, D&D Mountain Air Cleaners, 309 South Paseo de Onate, Española, New Mexico, April 3, 2023

U.S. Environmental Protection Agency (U.S. EPA). 2023. LSASD Operating Procedure for Groundwater Sampling, LSASDPROC-301-R6, most recent version April 22, 2023.

Figures



Aerial image: Maxar Vivid, 5/12/2022

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX

DBS&A
a Geo-Logic Company

1/19/2024 DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

Area Map

Figure 1



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- Passive soil gas sample
- Mountain Air site boundary

Groundwater Screening Location

- Groundwater screening location
- Step-out groundwater screening location
- Not installed

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

Site Map

DBS&A a Geo-Logic Company

1/25/2024 DB21.1167

Figure 2

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

N

0 150 300 ft

Explanation

- Mountain Air monitor well
- NRAP monitor well
- NRAP location
- Site boundary

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

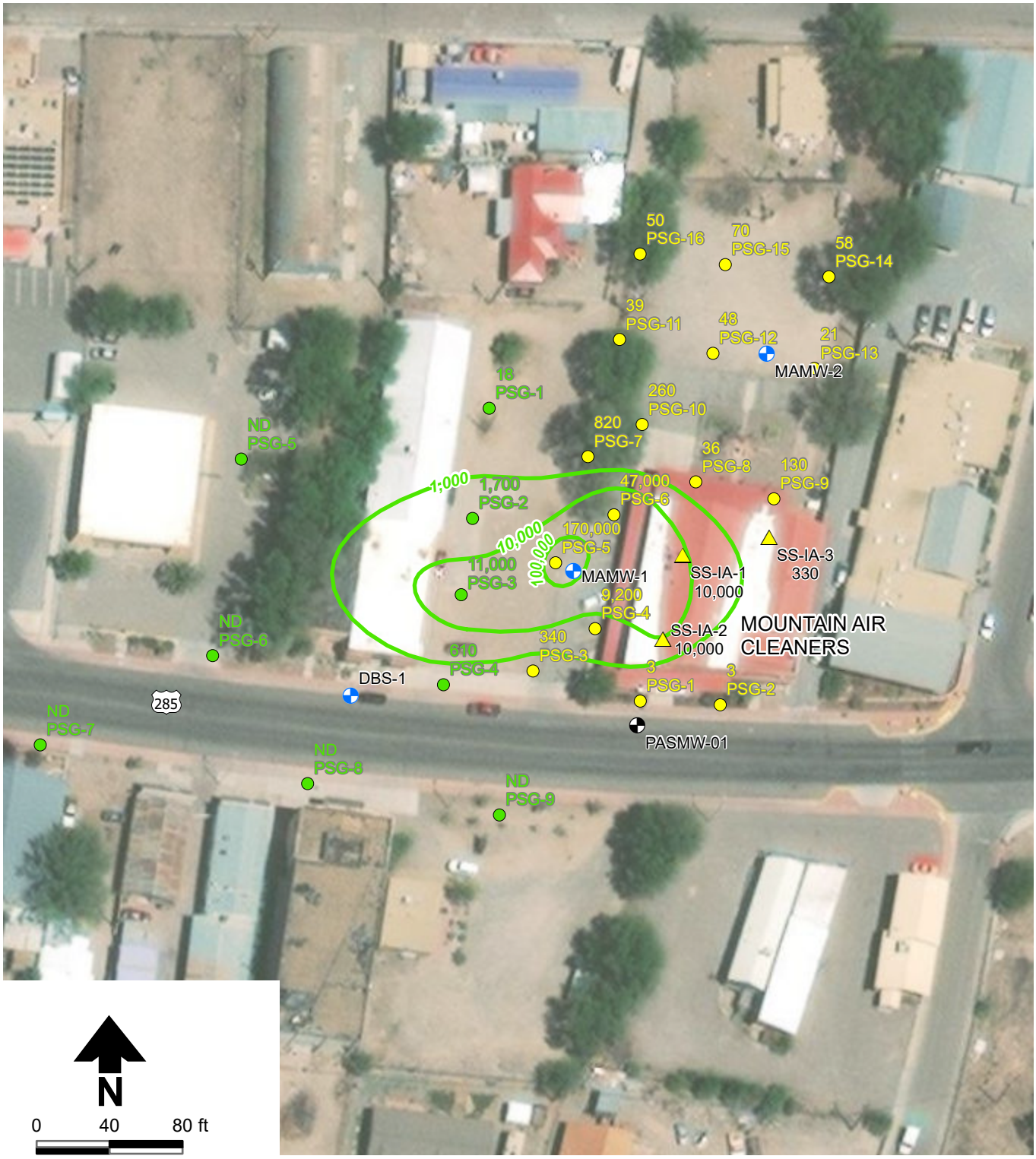
Vicinity Map with Off-Site Monitor Well Locations

DBS&A a Geo-Logic Company

1/19/2024 DB21.1167

Figure 3

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- Sub-slab vapor sample (12/2021)
- PCE Isoconcentration contour

PCE = Tetrachloroethene
ND = Non-detect

Passive soil gas sample

- December 2021
- October 2023

PSG-5 2021 Passive soil gas sample
170,000 PCE concentration
PSG-4 2023 Passive soil gas sample
610 PCE concentration

Note: All concentrations in micrograms per cubic meter ($\mu g/m^3$)

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

PCE Concentrations in Soil Gas

DBS&A a Geo-Logic Company

1/25/2024 DB21.1167

Figure 4

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- NRAP location
- Site boundary

MAMW-1 Monitor well designation
5578.27 Potentiometric surface elevation (ft msl)

* Elevation not used for contouring

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

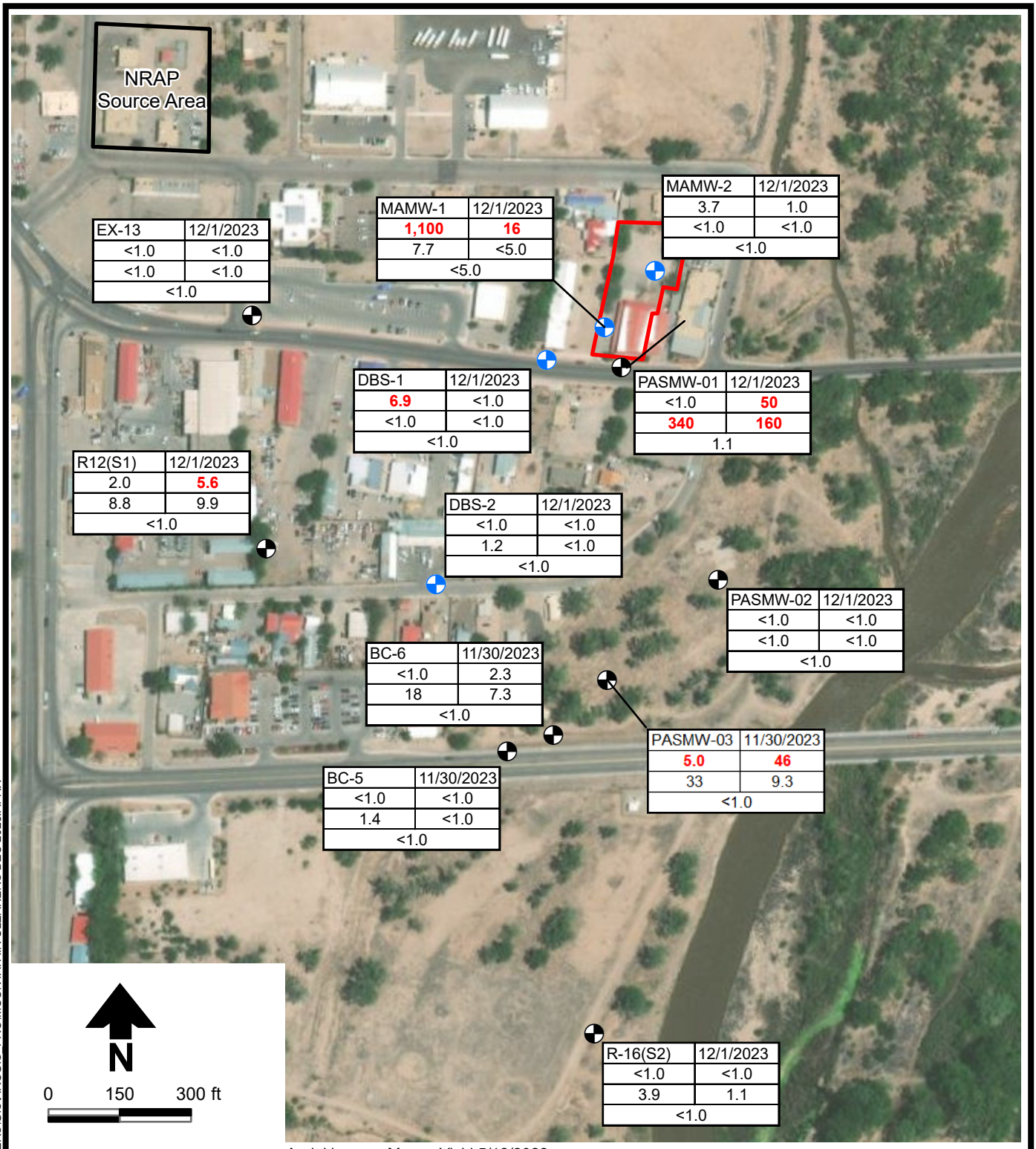
Potentiometric Surface Map
November 30 and December 1, 2023

DBS&A
a Geo-Logic Company

1/19/2024 DB21.1167

Figure 5

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- NRAP location
- Site boundary

NS = Not Sampled

Location designation	Sample date
PCE	TCE
cis-1,2-DCE	trans-1,2-DCE
Vinyl chloride	

PCE = Tetrachloroethylene
TCE = Trichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
cis-1,2-DCE = cis-1,2-dichloroethylene

Notes:
1. All concentrations reported in micrograms per liter (µg/L)
2. **Red** indicates concentrations that exceed the applicable standard.

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

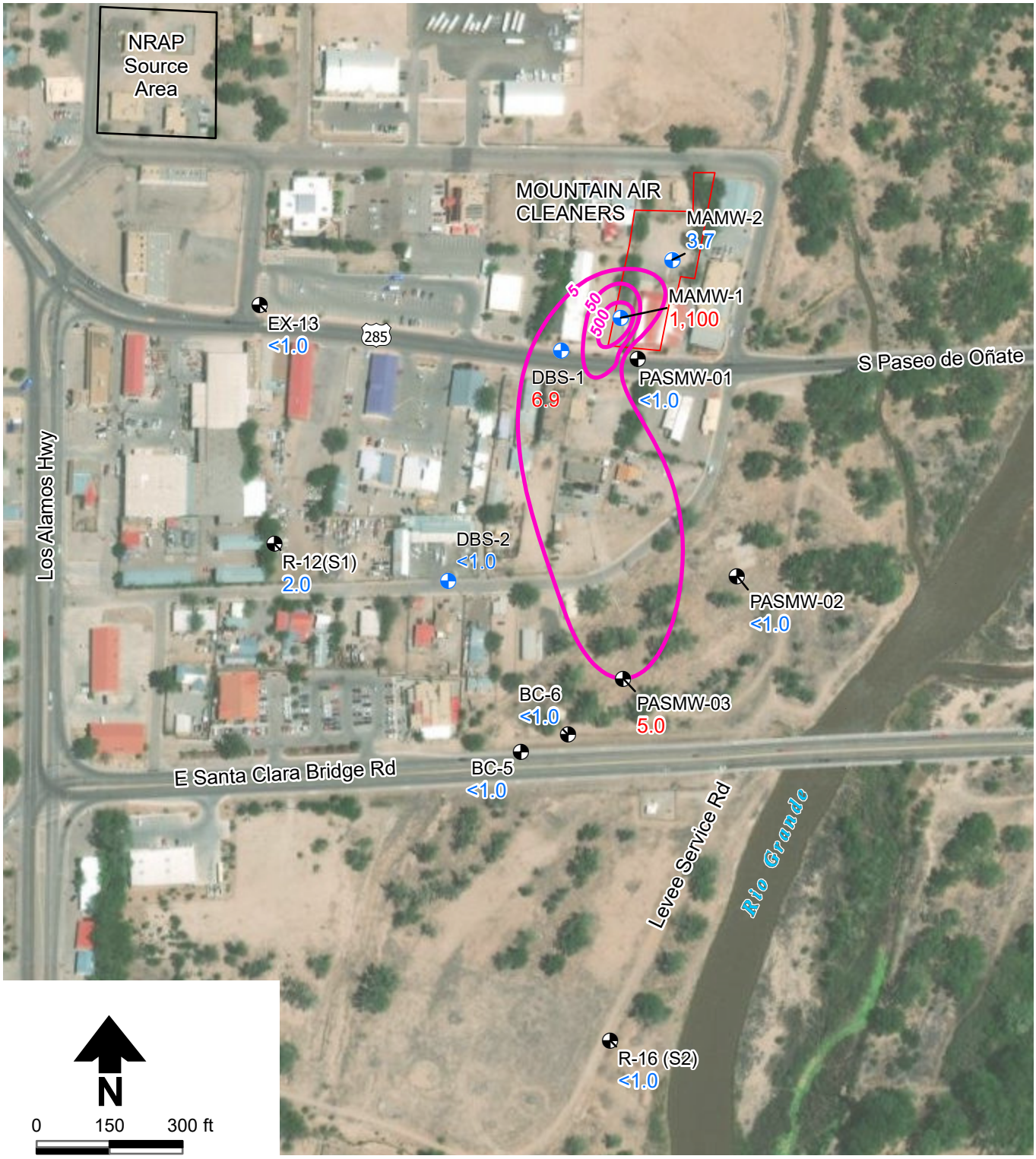
Distribution of Dissolved-Phase Contaminants November 30 and December 1, 2023

DBS&A a Geo-Logic Company

1/19/2024 DB21.1167

Figure 6

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- PCE Isoconcentration contour
  PCE = Tetrachloroethene
- NRAP location
- Site boundary

Notes:
1. All concentrations reported in micrograms per liter (µg/L).
2. **Red** indicates concentrations that exceed the applicable standard.

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

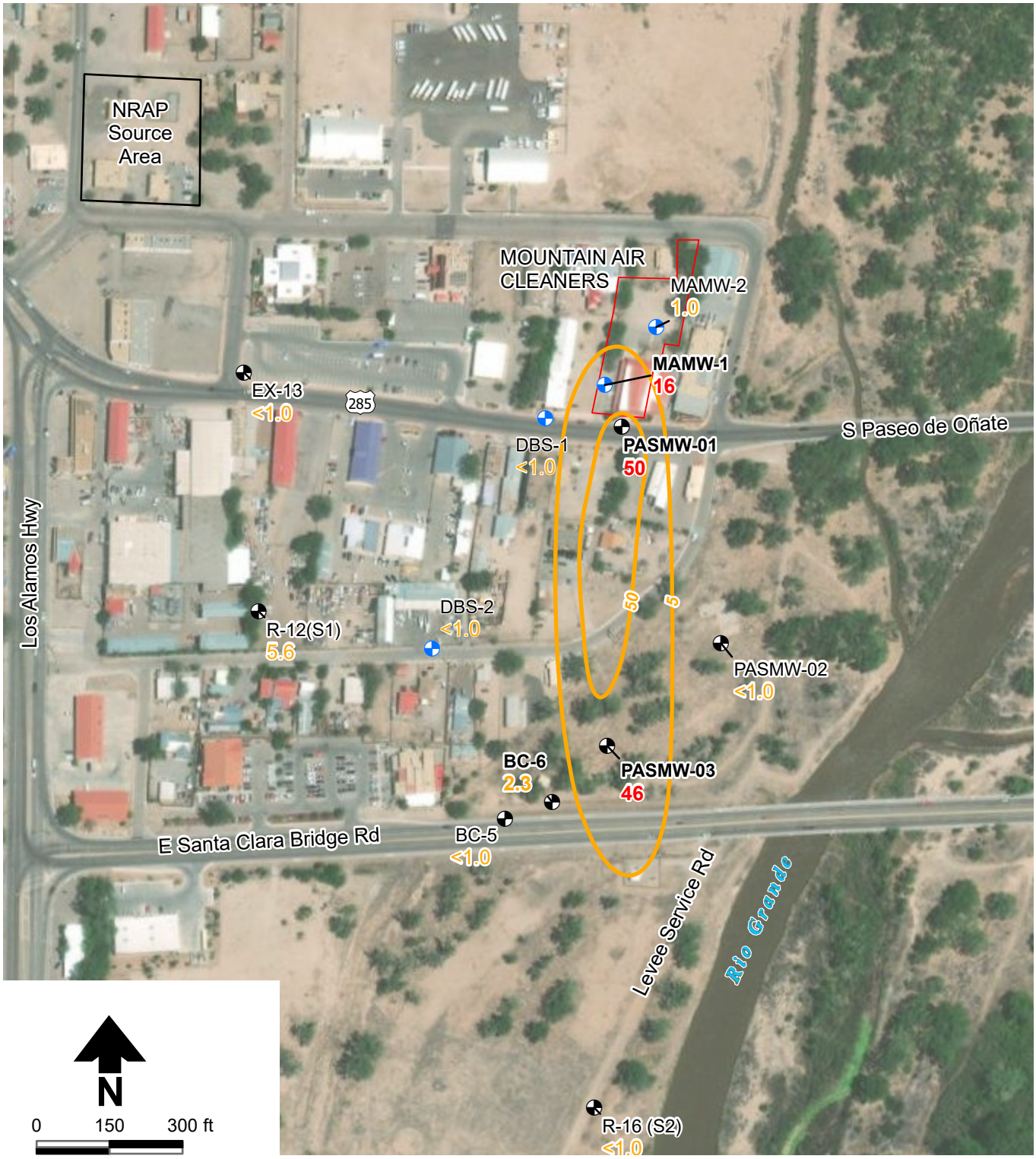
Distribution of PCE in Groundwater
November 30 and December 1, 2023

DBS&A a Geo-Logic Company

1/19/2024 DB21.1167

Figure 7

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX



Aerial image: Maxar, Vivid 5/12/2022

Explanation

- Mountain Air monitor well
- NRAP monitor well
- TCE Isoconcentration contour
  TCE = Trichloroethylene
- NRAP location
- Site boundary

Notes:
1. All concentrations reported in micrograms per liter (µg/L).
2. **Red** indicates concentrations that exceed the applicable standard.

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

Distribution of TCE in Groundwater
November 30 and December 1, 2023

DBS&A a Geo-Logic Company

1/19/2024 DB21.1167

Figure 8

S:\PROJECTS\DB21.1167 MOUNTAIN AIR CLEANERS\GIS\ARCGIS PRO\MOUNTAI AIR CLEANERS DEC 2023.APRX

Tables

Table 1. Passive Soil Gas Analytical Results

Analyte	NMED VISL (µg/m^3)		Concentration (µg/m^3)									
	Residential	Industrial	PSG-1	PSG-2	PSG-3	PSG-4	PSG-DUP	PSG-5	PSG-6	PSG-7	PSG-8	PSG-9
Date			*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*	*10/16/2023*
Target Analytes												
Tetrachloroethene (PCE)	1,390	6,550	18	**1,700**	**11,000**	610	760	<2.7	<2.7	<2.7	<2.7	<2.7
Trichloroethene (TCE)	69.5	328	<3.9	12	**1,300**	37	44	<3.9	<3.9	<3.9	<3.9	4.7
cis-1,2-dichloroethene (DCE)	—	—	<5.4	<5.4	1800	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
trans-1,2-DCE	2,090	9,830	<13	<13	38	<13	<13	<13	<13	<13	<13	<13
Vinyl chloride	55.9	1,040	<34	<34	<34	<34	<34	<34	<34	<34	<34	<34
Other Detected Constituents												
Benzene	1,040	4,920	9.1	<19	<19	<19	<19	<19	<19	<19	<19	<19
Toluene	1.75 x 10^5	8.19 x 10^5	9.6	630	36	<3.5	<3.5	<3.5	17	<3.5	10	8.6
Ethylbenzene	374	1,840	89	3.4	<2.5	<2.5	<2.5	<2.5	7.0	<2.5	6.9	3.5
m,p-xylene	3,480	16,400	390	8.2	8.3	6.8	<2.5	<2.5	18	5.5	23	9.2
o-xylene	3,480	16,400	100	3.1	2.7	<2.3	<2.3	<2.3	75	<2.3	6.0	3.7
Propylbenzene	—	—	<1.8	3.7	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1,2,4-trimethylbenzene	—	—	<1.5	<1.5	<1.5	11	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Heptane	—	—	15	23	<4.9	<4.9	<4.9	<4.9	15	<4.9	<4.9	<4.9
2-Butanone (MEK)	1.74 x 10^5	8.19 x 10^5	<14	<14	<14	<14	<14	<14	23	<14	<14	<14
Chloroform	40.7	199	9.1	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3

Bold indicates that value exceeds the New Mexico Environment Department (NMED) vapor intrusion screening level (VISL) for industrial properties (NMED, 2022).
µg/m^3 = Micrograms per cubic meter
— = Not applicable

Table 2. Measured Fluid Levels

Well Name	Screened Interval Depth (feet bgs)	Top of Casing Elevation (feet msl)	Date Measured	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet msl)
BC-5	9.0–29.0	5,586.39	11/30/2023	10.49	5,575.90
DBS-1	4.1–19.1	5,585.77	11/30/2023	7.82	5,579.52
DBS-2	4.3–19.3	5,583.79	11/30/2023	6.25	5,577.54
EX-13	5–13.2	5,585.25	11/30/2023	7.92	5,577.33
MAMW-1	4–19	5,587.37	11/30/2023	9.63	5,577.74
MAMW-2	4–19	5,586.86	11/30/2023	9.13	5,577.73
PASMW-01	8–23	5,587.57	11/30/2023	10.47	5,577.10
PASMW-02	8–28	5,584.55	11/30/2023	7.95	5,576.60
PASMW-03	8–23	5,583.12	11/30/2023	6.84	5,576.28
R-12(S1)	9–19	5,585.64	11/30/2023	9.09	5,576.55
R-16(S2)	NR	5,587.62	11/30/2023	11.95	5,575.67

bgs = Below ground surface
msl = Above mean sea level
NR = No record

Table 3. Groundwater Analytical Organic Chemistry Data
Page 1 of 4

Well Name	Sample Date	Concentration (µg/L)				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NMQWCC Standard		*5*	*5*	*70*	*100*	*2*
BC-5	6/9/2010	<0.5	1.6	12	7.3	**5.9**
	1/26/2011	<1.0	<1.0	5.7	7.2	**13.9**
	8/31/2011	<5.0	<5.0	7.4	8.3	**11**
	9/14/2012	<5.0	<5.0	13	2.4 J	**3.3 J**
	5/3/2013	<1.0	1.0	4.4	1.6	<1.0
	6/4/2014	<1.0	<1.0	2.8	1.1	<1.0
	6/3/2015	<1.0	<1.0	1.6	<1.0	<1.0
	9/1/2016	<1.0	0.19 J	0.85 J	0.46 J	<1.0
	6/6/2017	<1.0	3.6	18	4.1	0.42 J
	5/24/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2019	<1.0	<1.0	5.5	1.8	<1.0
	3/29/2022	<1.0	<1.0	1.9	1.2	<1.0
	11/30/2023	<1.0	<1.0	1.4	<1.0	<1.0
BC-6	6/9/2010	0.097 J	0.8	1.9	1.0	<0.5
	1/26/2011	<1.0	<1.0	1.4	<1.0	<1.0
	8/30/2011	<5.0	<5.0	1.4 J	<5.0	<5.0
	9/14/2012	<5.0	**6.6**	6.8	<5.0	<5.0
	5/3/2013	**6.8**	**14**	8.0	<1.0	<1.0
	6/4/2014	**20**	**38**	12	2.1	<1.0
	6/3/2015	**7.3**	**16**	5.7	1.0	<1.0
	9/12/2016	2.9	**26**	11	5.1	<1.0
	6/6/2017	4.1	**57**	31	11	0.37 J
	5/24/2018	1.5	**28.4**	21.4	8.3	<1.0
	5/22/2019	1.2	**85.7**	58.7	24.3	<1.0
	6/11/2020	4.8	**65**	38	16	<2.0
	5/25/2021	**12**	**130**	68	24	<4.0
	11/30/2023	<1.0	2.3	18	7.3	<1.0
DBS-1	12/1/2023	**6.9**	<1.0	<1.0	<1.0	<1.0
DBS-2	12/1/2023	<1.0	<1.0	1.2	<1.0	<1.0

Notes are provided at the end of the table.

Table 3. Groundwater Analytical Organic Chemistry Data
Page 2 of 4

Well Name	Sample Date	Concentration (µg/L)				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NMQWCC Standard		*5*	*5*	*70*	*100*	*2*
EX-13	6/15/2010	<5.0	<5.0	2.4 J	2.4 J	**4.9 J**
	2/7/2011	<0.5	<0.5	<0.5	2.8	**3.4**
	8/24/2011	<5.0	<5.0	<5.0	2.0 J	**3.9 J**
	3/22/2012	<0.5	<0.5	0.23 J	1	1.8
	4/25/2013	<0.5	<0.5	0.24 J	0.9	1.9
	6/12/2014	<1.0	<1.0	<1.0	1	**2.6**
	6/2/2015	<1.0	<1.0	<1.0	<1.0	**2.9**
	6/13/2016	<0.5	0.12 J	0.20 J	0.49 J	1.2
	6/7/2017	<1.0	<1.0	<1.0	<1.0	1.4
	5/3/2018	<1.0	<1.0	<1.0	<1.0	1.4
	5/7/2019	<1.0	<1.0	<1.0	<1.0	1.4
	6/1/2020	<1.0	<1.0	<1.0	<1.0	0.62 J
	5/28/2021	0.25 J	0.33 J	0.52 J	0.25 J	<2.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0
MAMW-01	3/29/2022	**1,200**	**22**	1.4	<1.0	<1.0
	12/1/2023	**1,100**	**16**	7.7	<5.0	<5.0
MAMW-02	3/29/2022	4.3	<1.0	<1.0	<1.0	<1.0
	12/1/2023	3.7	1.0	<1.0	<1.0	<1.0
PASMW-01	1/15/2019	**160**	**380**	**130**	69	<1.0
	6/1/2021	**7.8**	**210**	**190**	**140**	<10
	3/29/2022	**25**	**290**	**98**	40	<1.0
	12/1/2023	<1.0	**50**	**340**	**160**	1.1
PASMW-02	1/16/2019	<1.0	**10**	5.6	<1.0	<1.0
	5/25/2021	0.27 J	1.0	0.57 J	<1.0	<1.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2023	<1.0	<1.0	<1.0	<1.0	<1.0
PASMW-03	1/16/2019	**20**	**130**	58	31	<1.0
	5/25/2021	**31**	**70**	56	23	<2.0

Notes are provided at the end of the table.

Table 3. Groundwater Analytical Organic Chemistry Data
Page 3 of 4

Well Name	Sample Date	Concentration (µg/L)				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NMQWCC Standard		*5*	*5*	*70*	*100*	*2*
PASMW-03 (cont.)	3/29/2022	**34**	**95**	66	24	<1.0
	11/30/2023	**5.0**	**46**	33	9.3	<1.0
R-12(S1)	6/15/2010	<5.0	**68**	40	26	<5.0
	2/8/2011	<1	**82.5**	40.4	25.4	<1.0
	8/29/2011	1.2 J	**79**	50	33	<5.0
	3/28/2012	<5.0	**53**	29	20	<5.0
	4/29/2013	1	**37.4**	27.9	15.1	<0.5
	6/23/2014	<1.0	**29.4**	22.4	13.1	<1.0
	6/15/2015	<1.0	**24.2**	26	13.7	1.7
	6/15/2015	<1.0	**24.8**	25.9	13.3	1.7
	6/14/2016	0.36 J	**10**	17	12	<0.5
	6/19/2017	<1.0	1.7	12.5	6.4	1.2
	6/19/2017	<1.0	1.8	11.9	5.9	1.1
	5/17/2018	<1.0	3.9	18	20.2	<1.0
	5/14/2019	<1.0	<1.0	12.7	11.4	<1.0
	6/4/2020	<1.0	0.72 J	2.8	2.7	<1.0
	5/26/2021	0.28 J	1.0	18	18	0.95J
	3/29/2022	<1.0	<1.0	12	9.7	<1.0
	12/1/2023	2.0	**5.6**	8.8	9.9	<1.0
R-16(S2)	6/9/2010	<0.5	<0.5	0.084 J	<0.5	<0.5
	1/26/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2011	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2012	<0.5	<0.5	0.32 J	<0.5	<0.5
	4/2/2013	<0.5	0.066 J	0.45 J	0.067 J	<0.5
	6/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/10/2015	<1.0	1.5	2.2	<1.0	<1.0
	6/21/2016	<0.5	3.1	4.4	0.29 J	<0.5
	6/15/2017	<1.0	1.6	2.3	<1.0	<1.0
	5/24/2018	<1.0	<1.0	3.5	<1.0	<1.0
	5/22/2019	<1.0	1.4	4.7	<1.0	<1.0

Notes are provided at the end of the table.

Table 3. Groundwater Analytical Organic Chemistry Data
Page 4 of 4

Well Name	Sample Date	Concentration (µg/L)				
		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NMQWCC Standard		*5*	*5*	*70*	*100*	*2*
R-16(S2) (cont.)	6/11/2020	<1.0	<1.0	2.6	<1.0	<1.0
	5/25/2021	<1.0	0.53 J	2.8	0.29 J	<2.0
	3/29/2022	<1.0	<1.0	2.1	<1.0	<1.0
	12/1/2023	<1.0	<1.0	3.9	1.1	<1.0

Bold indicates that value exceeds the New Mexico Water Quality Control Commission (NMWQCC) standard.
All data prior to 2022 provided by the New Mexico Environment Department (NMED).
All analyses by U.S. Environmental Protection Agency (EPA) method 8260B.
µg/L = Micrograms per liter
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = Dichloroethene
J = Estimated concentration

Appendix A

Field Notes

DBS&A
a Geo-Logic Company

10/6/25 PSG Installation E. Jones

0840 - E. Jones & B. Constant on-site, Review scope, Safety brief, get OK to install PSGs, weather clear w/ slight breeze, ≈55°F

0900 - Drill first location PSG-1

0915 - Set PSG-1

0926 - Set up on PSG-2

0934 - Set PSG-2

0937 - Set up on PSG-3

0945 - Set PSG-3

0947 - Set up on PSG-4, Duplicate Here

0956 - Set PSG-4 & PSG-DUP

1039 - Set PSG-5 (unemployment office lot)

1048 - Set PSG-6

1103 - Set PSG-7, Sample taken, Cut the sample location furthest West on Paseo de Oriente

1025 - Set PSG-7

1137 - Set PSG-8

1152 - Set PSG-9

1158 - All stuff off site

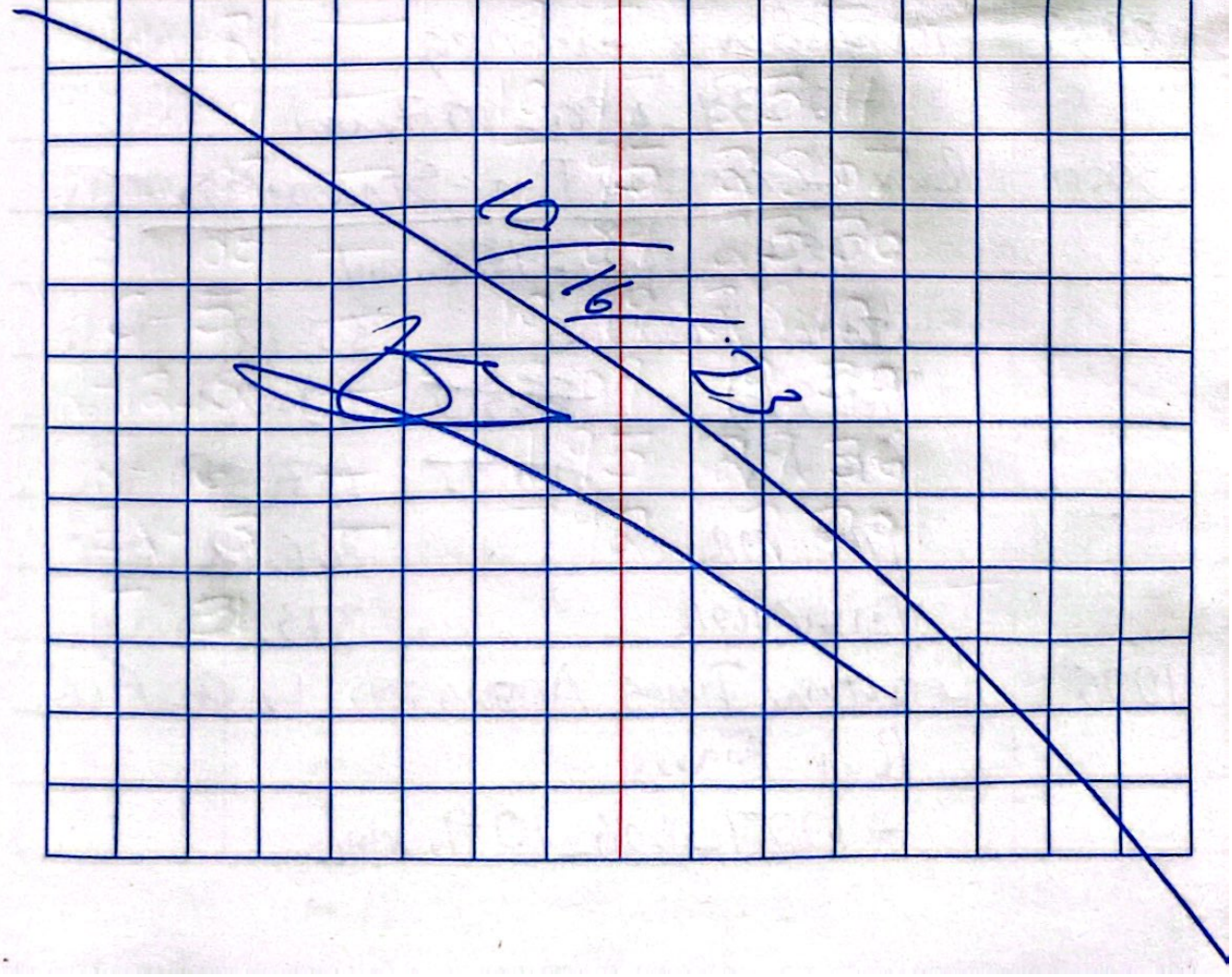
E

10/6/25

Scanned with CamScanner

E. Sands PS6 Collection 10/16/23

0941 - E. Sands on-site, Collect PS6 Samplers
1013 - Collect PS6-1
1021 - Collect PS6-2
1027 - Collect PS6-3
1036 - Collect PS6-4 + PS6-DUP
1043 - Collect PS6-5
1047 - Hole Collapse at PS6-6, dig out Sampler
1115 - Collect PS6-6
1138 - Collect PS6-7
1137 - Collect PS6-8
1154 - Collect PS6-9
1159 - All Personell off-site



Scanned with CamScanner

11/14/23 J. Fisher

0800 ONSITE. WEATHER IS COLD (~26°F), SUNNY, GEN. ATKINS IS ONSITE PREPARING THE RIG. HELD TAILGATE SAFETY MEETING. SOG FORM IN MASP FOR DOT/MSHA. WE WILL START W/ THE HYDROPUNCH ON HUNTON STREET.

0815 SET UP PROG & LAPTOP.

0915 START DRILLING 1ST GW SCREENING LOCATION (GWS-1)
RUN BLANK ON PROG
-0917_LOG_105.xml
-0928_LOG_106.xml

0930 @14'. INSERT TEMPORARY SCREEN.

0939 RUN BLANK ON PROG
-0939_LOG_107.xml

0950 RUN ROTATION TIME STANDARD
-0950_LOG_108.xml

VERT. GEOPROBE		55.0
TRANS 1-2	~~55.50~~	110.08
CIS 1-2	~~110.08~~	137.58
TRICHLOR		266.92
DETACHLOR		373.33

1005 ROTATION TIMES ADJUSTED IN CAL FILE.
RUN BLANK
-1007_LOG_109.xml

Scanned with CamScanner

4/14/23 JF

1019 Run 2nd Blank
1029_LOG_110.xml

1030 Run 3rd Blank
1029_LOG_111.xml

1040 Run 4th Blank
1038_LOG_112.xml

1050 Calibrate YSI 556 MPS, SN: 06K 1697 AE
DO: P_B: 627.7 mm Hg
Cal'd % Sat'n Range = 82.5% @ 11.71°C
[DI] = 7.46 mg/L @ 10.35°C
pH: 4.00/4.01 @ 9.06°C
7.00/7.06 @ 7.95°C
10.14/10.14 @ 7.74°C
SC: 1413/1413 µS/cm @ 7.96°C
ORP: 233/220 mV @ 8.73°C DTW = ~8.4' bgs

1120 Collect Sample from GWS-1.
Also Collected Duplicate GWS-1D

1124 Run GWS-1 in FROG
- 1123_LOG_113.xml

pH	T(°C)	SC(µS/cm)	DO(mg/L)	ORP(mV)	Comment
7.21	18.85	2287	1.04	-56.7	SL. TURBID NO ODOR

1136 Run Blanks
- 1136_LOG_114.xml
- 1147_LOG_115.xml
- 1255_LOG_116.xml
- 1307_LOG_117.xml

Scanned with CamScanner

11/14/23

1305 SET UP TO DRILL GWS-2 IN FRONT OF ESPINOZA VALLEY FIBER ARTS CENTER ON PASEO DE ONATE.

1315 START DRILLING GWS-2

1430 COLLECT GW SAMPLE FROM GWS-2.

RUN FLOW GWS-2.

- 1437_LOG_118.xml

pH	T(°C)	SC($\frac{\mu S}{cm}$)	DO($\frac{mg}{L}$)	ORP(mV)	COMMENT
7.49	19.65	2893	1.74	+25.4	SL. TURBID NO ODOR

1454 RUN BLANKS

- 1454_LOG_119.xml
- 1513_LOG_120.xml
- 1523_LOG_121.xml
- 1537_LOG_122.xml

1550 COLLECT SAMPLE FROM MAMW-1 TO ANALYZE W/ FROG.

- 1555_LOG_123.xml

1608 RUN BLANKS

- 1608_LOG_124.xml
- 1619_LOG_125.xml
- 1638_LOG_126.xml

1635 BEGIN PURGING GWS-3 WEST OF GWS-2.

Scanned with CamScanner

4/14/23

1640 Have to get the rods a little deeper.

1655 @ 12' w/ screen. Tubing is in to ~10'. Prepare to sample.

1648 Run Blank
- 1648_206-127.xml

1705 Collect GW sample from GWS-3
- 1708_L06-128.xml

1722 Run Blank
- 1722_206-129.xml
- 1736_L06-130.xml

1745 Offsite.

4/14/23

Scanned with CamScanner

11/15/23 J. Fisher

0730 ONSITE. WEATHER IS COLD (~31°F), SL. OVERCAST, CLEAR. ATKINS (3) IS ONSITE. HOLD TAILGATE SAFETY MEETING. SOG FORM REVIEWING.

0740 WARM UP EQUIPMENT.

0738 RUN BLANKS ON FROG
- 0738_LOG_131
- 0803_LOG_132
- 0813_LOG_133

0815 CALIBRATE YSI 556 MPS. SN: 06H 1697AF
DO: P_b = 628.7 mm Hg
CAL % SAT'N READING = 82.7%
[DO] = 7.34 mg/L @ 6.54°C
pH: 4.00/4.00 @ 7.26°C
7.06/7.06 @ 7.13°C
10.14/10.15 @ 7.16°C
SC: 1413/1413 µS/cm @ 7.22°C
ORP: 232/232 mV @ 6.94°C

0835 SCREEN IS IN TO 11'.

0845 COLLECT SAMPLE GWS-4
- 0853_LOG_134.xml

0907 RUN BLANKS
- 0907_LOG_135
- 0929_LOG_136

0915 MOVED TO GWS-5 TO DIG WEST ON CALLE CHAVEZ.

Scanned with CamScanner

11/15/23 J. FISHER

0930 SCREEN IS UP TO 12'. PREPARE TO COLLECT SAMPLE GWS-5.

0956 RUN BLANK
- 0956_LOG_137.xml

1000 COLLECT SAMPLE FROM GWS-5
- 1007_LOG_138

pH	T(°C)	SC($\frac{MS}{cm}$)	DO($\frac{mg}{L}$)	ORP(mV)	COMMENTS
7.29	17.18	1.984	1.51	-58.8	TURBID, NO ODOR

1020 RUN BLANKS.
- 1029_LOG_139.xml
- 1032_LOG_140.xml

1025 MOVE TO THE STOP OUT LOCATION ON PASO DE ONATO, WEST OF GWS-3.

1030 START DRILLING GWS-6.

1051 RUN BLANK
- 1051_LOG_141.xml

1100 SCREEN @ 12'. PREPARE TO SAMPLE GWS-6.

1110 COLLECT SAMPLES FROM GWS-6.
- 1112_LOG_142.xml

pH	T(°C)	SC($\frac{MS}{cm}$)	DO($\frac{mg}{L}$)	ORP(mV)	COMMENT
7.52	19.72	1994	1.47	-58.4	SL. TURBID NO ODOR

1125 RUN BLANKS
- 1125_LOG_143
- ~~1145~~ 1214_LOG_144
- 1214_LOG_145

Scanned with CamScanner

11/15/23 J. Fisher

1229 Run Blank
- 1229_LOG_146.xml

1230 MOB to step out location on Gulf Chimney West of GWS-5.
- 1246_LOG_147.xml
- 1257_LOG_148.xml

1255 Screen GS in to DP Probing to Samples

1310 Collect GW Sample GWS-7c
- 1317_LOG_149.xml

pH	T(°C)	SC(mS/cm)	DO(mg/L)	ORP(mV)	Comment
7.53	20.18	1589	1.29	-71.5	TURBID No ODOR

1328 Run Blanks
- 1328_LOG_150.xml

1330 Move to location of GWS-5 to install well (DBS-2)

1341 Run Blanks
- 1340_LOG_151.xml
- 1351_LOG_152.xml

1350 Start Drilling DBS-2.

1355 0-4' Sample.

1400 4-8' Sample. Calibrate PID.

MiniRae Lite, SN: 590-908578

Scanned with CamScanner

11/15/23

1400 Background Breathing Air Reading = 0.0 PPM

Cal'd 100 PPM Isobutylene Reading = 100.1 PPM

DBS-2	Depth	Recovery	PID PPMV
	0-4	17"	0.3
	4-8	14"	0.0
	8-12	14"	NA

1450 @ 20'. Preparing for Well Construction.

1530 Run Blank

-1530_2Dup_153.xml

1658 Sand @ 3' After 6 Bags

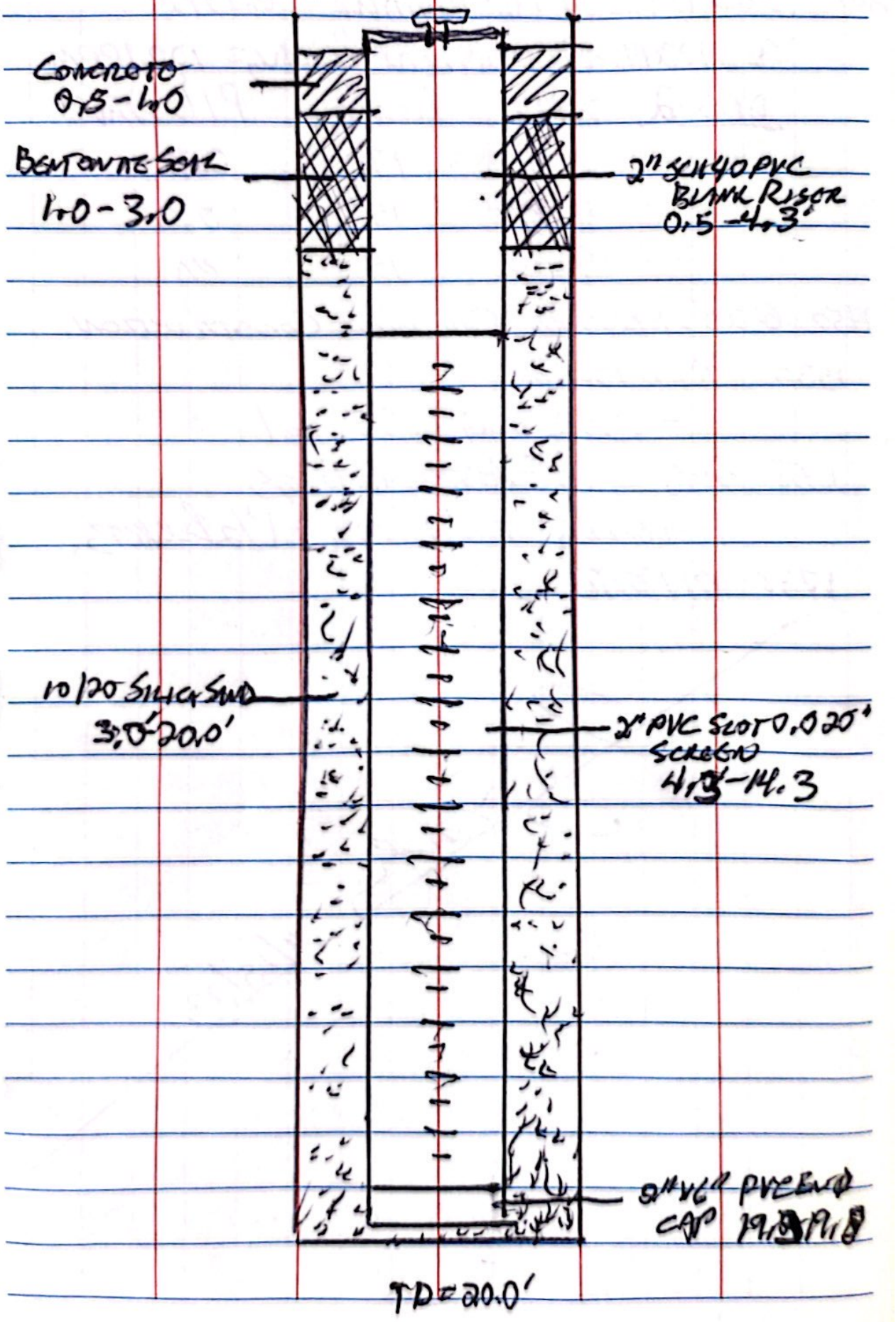
Hole Plug To 1' After 1½ Buckets.

1730 Offsite

11/15/23

Scanned with CamScanner

11/15/23 DBS-2 As Built 5



Scanned with CamScanner

11/16/23 J-Fisher

0730 Onsite @ yard. Hold Tailgate Safety Meeting. See Form in IHSP for Details.

0745 They will Decon Augers Before Moving to GWS-2/DBS-1 Drilling Location.

0815 Move to DBS-1.
Calibrate PID. SN: 590-908578
MiniRae Lite.
Zeroed Fresh Air Reading =
Cal'd 100 PPM Isobutylene Reading =

0905 0-4' Sample

0910 4-8' Sample

0920 8-12' Sample.

DBS-1	Depth	Recovery	PID
	0-4	15"	6.1
	4-8	30"	8.4
	8-12	24"	7.2

1020 Well Pipe is in to 12'/9.6'. Prepare for Sand.

1143 Sand @ 3' After 7 Bags.

1146 Bentonite @ 1' After 1.5 Buckets

1143 Run Blanks
- 1143_Log_154.xml
- 1209_Log_155

Scanned with CamScanner

11/16/23 JF

1218 Run Blanks
- 1218_LOG-156.xml
- 1229_LOG-157.xml

1240 Run Sonna From DBS-1

1245 Move to DBS-2 for Development. Gunnar + Tony Will Start on DBS-1 Surface Completion.

Sonna From DBS-1
- 1240_LOG-158.xml

1259 Run Blanks
- 1259_LOG-159
- 1321_LOG-160
- 1333_LOG-161

1344 Run Sonna From DBS-2
- 1344_LOG-162

1345 Development Complete.

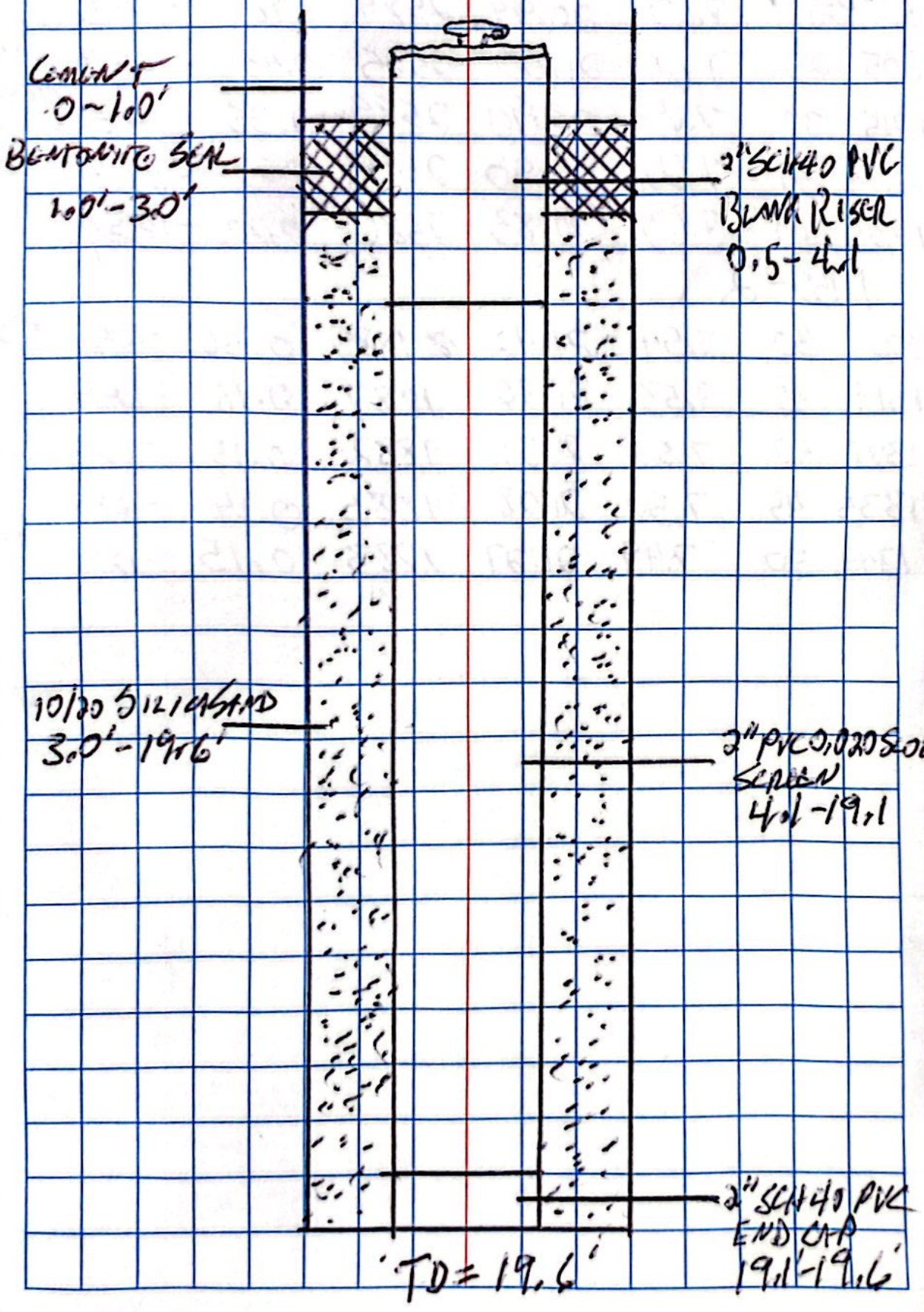
1353 Run Blanks
- 1353_LOG_163.xml
- 1403_LOG-164.xml

1410 Surface Completion @ DBS-1 is Complete. Start Surface Completion For DBS-2.

1605 Surface Completion Finished on DBS-2. Head to Yard.

Scanned with CamScanner

11/16/23 DBS-1 As Built 3



Scanned with CamScanner

11/16/23 Well Development

Time	Vol(GAL)	pH	T(°C)	SC(mS/cm)	DO(mg/L)	ORP(mV)	
	DBS-1						
1152	20	7.62	20.94	2584	1.78	-114.5	SL TURB NO ODOR
1205	25	7.65	21.00	2585	0.43	-153.3	"
1215	30	7.64	20.90	2589	0.35	-138.5	CLEAR NO ODOR
1227	35	7.65	20.90	2593	0.23	-141.7	"
1235	40	7.63	20.83	2586	0.20	-143.4	"
	DBS-2						
1306	30	7.54	21.42	1889	0.36	-109.6	SL TURB NO ODOR
1317	35	7.53	21.36	18.87	0.18	-124.9	"
1327	40	7.50	21.31	1882	0.15	-129.3	CLEAR NO ODOR
1335	45	7.50	21.28	1885	0.14	-123.4	"
1344	50	7.49	21.27	1883	0.15	-122.1	"

Scanned with CamScanner

4/14/23

5

1430 Decon Area Cleaned up.

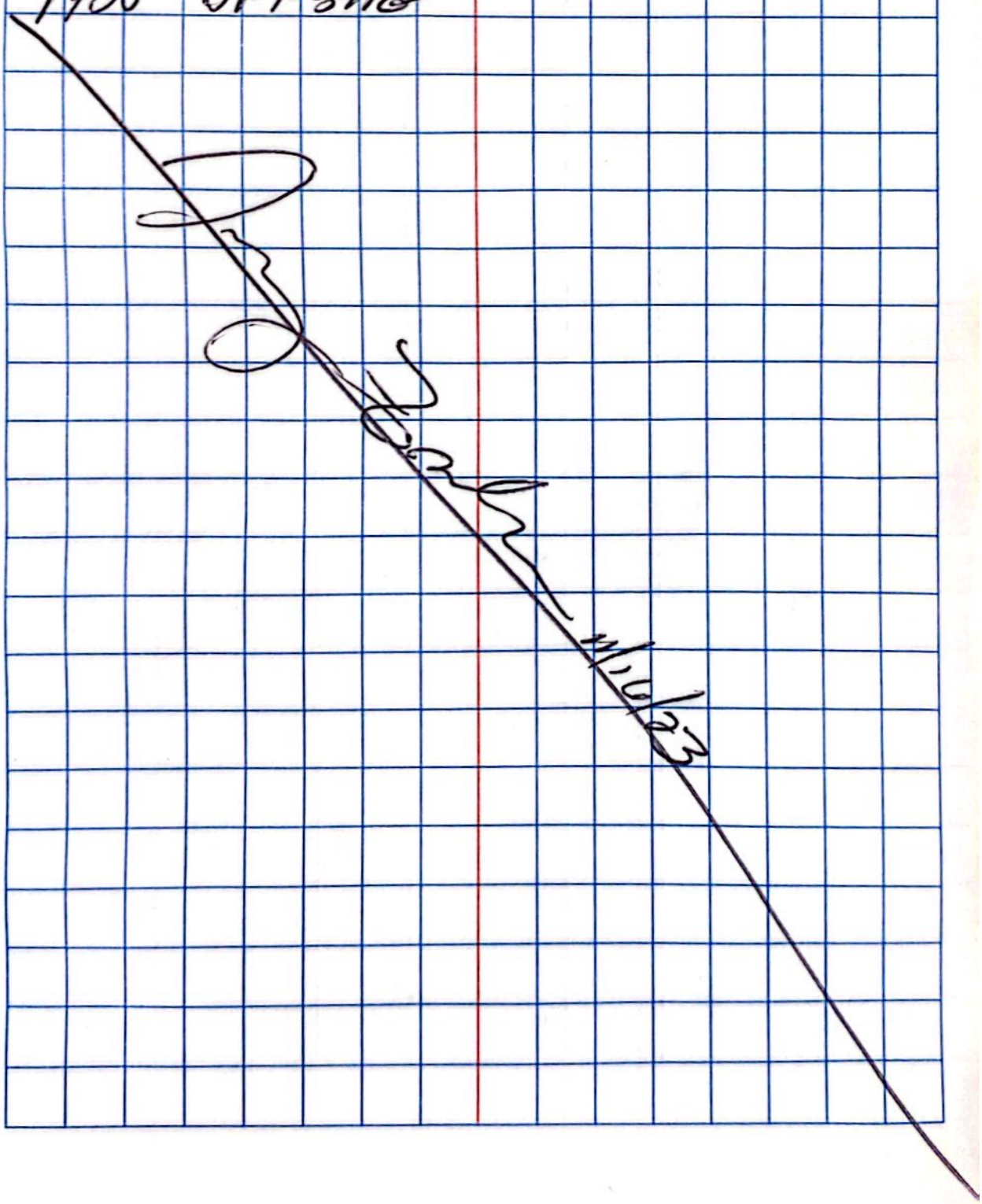
IDW = 2 Soil Drums

2 Development Water Drums

1 Decon Water Drum.

1645 Drums offsite.

1700 Offsite



Scanned with CamScanner

11/30/23 Mountain Air Cleaners BC

10:52 BC onsite, Purpose: GWM.
Weather. Light snow, 32°F, overcast.

10:54 Begin Gauging wells.

Well ID	DTP	DTW	TD	Comments
MAMW-1	-	9.10	19.08	
MAMW-2	-	8.69	19.83	
BC-5	-	9.64	28.10	
BC-6	-	9.83	25.10	
EX-13	-	7.14	12.20	
PASMW-1	-	9.99	23.11	Gauged on 12/01/23
PASMW-2	-	7.79	28.07	
PASMW-3	-	6.40	23.30	
R-12_S1	-	8.02	19.30	
R-16	-	11.70	29.36	Gauged on 12/01/23
DBS-1	-	7.82	19.12	
DBS-2	-	6.25	18.67	

13:20 Calibrated Ysi SN: 06K1697
-See Sheet For Cal. Info.

16:59 All Samples on Ice, BC offsite.

BC
11/30/23

BC

ercast.

mments

ed on 12/01/23

ed on 12/01/23

ite.

12/1/23 Mountain Air Cleaners BC

7:11 Onsite, Purpose: Continue GWM.
Weather, 35°F, Mostly cloudy.
Begin Calibrating Ysi SN: 06K1697
*See sheet for Cal. Info.

7:36 Begin Sampling Wells.

16:05 Completed Sampling Wells.
BC offsite.
* PASMW-1 is under a Cover Labeled "WATER", was buried by ~7 inches of Loose Asphalt. Removed Asphalt.

BC
12/1/23

DBS&A
a Geo-Logic Company

GROUNDWATER METER CALIBRATION SHEET

Project Name: Mountain Air Cleaners
Project #: 0821.1167
Project Manager: P. Feltman
Sampler: B. Constand
Date: 11/30/2023

pH	Temp (°C)	Comments
(4) 4.00/4.00	6.56	
(7) 7.06/7.07	7.66	
(10) 10.15/10.15	7.83	
SpCon (µs/cm)	Temp (°C)	Comments
(1413) 1413/1413	7.62	
ORP (mv)	Temp (°C)	Comments
231.0/230.0	7.61	
Dissolved O_2	Temp (°C)	Comments
(%) 81.0	6.58	
(mg/L) 9.92	6.58	
Pressure	Temp (°C)	Comments
(mmHg) 617.0	6.58	

Comments: Ysi SN: 06K1697

DBS&A
a Geo-Logic Company

GROUNDWATER METER CALIBRATION SHEET

Project Name: Mountain Air Cleaners
Sampler: B. Constand
Project #: DB21.1167
Date: 12/01/2023
Project Manager: P. Feltman

pH	Temp (°C)	Comments
(4) 4.00/4.00	3.62	
(7) 7.06/7.09	3.84	
(10) 10.15/10.15	3.81	
SpCon (µs/cm)	Temp (°C)	Comments
(1413) 1413/1413	3.58	
ORP (mv)	Temp (°C)	Comments
233.0/231.7	3.58	
Dissolved O_2	Temp (°C)	Comments
(%) 80.8	3.09	
(mg/L) 10.85	3.09	
Pressure	Temp (°C)	Comments
(mmHg) 615.7	3.09	

Comments:
YSi SN: 06K1697

DBS&A
a Geo-Logic Company

GROUNDWATER ELEVATION DATA SHEET

Project Name: Mountain Air Cleaners
Project #: 0B21.1167
Project Manager: P. Feltman

Sampler: B. Constand
Date: 11/30/2023
Sheet # 1 of 1

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments
MAMW-1	-	9.10	19.08	
MAMW-2	-	8.69	19.83	
BC-5	-	9.64	28.10	
BC-6	-	9.83	25.10	
EX-13	-	7.14	12.20	
PASMW-1	-	9.99	23.11	Gauged on 12/01/23
PASMW-2	-	7.79	28.07	
PASMW-3	-	6.40	23.30	
R-12_S1	-	8.02	19.30	
R-16	-	11.70	29.36	Gauged on 12/01/23
DBS-1	-	7.82	19.12	
DBS-2	-	6.25	18.67	

Comments:

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: MAMW-1
Sampled By: B. Constand	Sample Date & Time: 12/01/2023 9:47	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 9.10	Total Depth: 19.08
Screened Interval:	Pump Inlet Setting: pump set @ 15.0' BTOC	Tubing Type: polyethylene

Additional notes or comments:

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
9:24	9.15	0.05	–	7.17	15.92	1526	20.0	3.09	Dark Brown
9:29	9.15	0.05	2/5	7.33	16.98	1567	-15.3	1.12	Light Brown
9:34	9.15	0.05	2.0/5	7.37	16.97	1577	-24.3	0.96	Light Brown
9:37	9.15	0.05	1.0/3	7.42	17.32	1575	-29.5	0.74	Very Light Brown
9:40	9.15	0.05	0.75/3	7.45	17.12	1581	-34.2	0.63	Very Light Brown
9:43	9.15	0.05	0.75/3	7.46	17.03	1584	-39.2	0.63	clear
9:46	9.15	0.05	0.75/3	7.46	17.26	1570	-43.4	0.54	clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: OB21.1167	Well ID: MAMW-2
Sampled By: R. Constand	Sample Date & Time: 12/01/2023 13:19	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 8.69	Total Depth: 19.83
Screened Interval:	Pump Inlet Setting: pump set @ 16' BToC	Tubing Type: polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
12:53	8.74	0.05	–	7.21	14.89	1064	2.7	7.59	Brown
12:58	8.73	0.06	2/5	7.49	16.90	988	-29.3	0.69	Brown
13:03	8.73	0.06	2.0/5	7.50	16.96	982	-32.4	0.60	Very Light Brown
13:06	8.73	0.06	1.0/3	7.51	16.91	978	-34.7	0.55	Very Light Brown
13:09	8.72	0.07	0.75/3	7.54	16.82	974	-39.0	0.48	Very Light Brown
13:12	8.72	0.07	0.75/3	7.56	16.81	971	-42.8	0.42	Clear
13:15	8.72	0.07	0.75/3	7.55	16.86	970	-44.3	0.40	Clear
13:18	8.72	0.07	0.75/3	7.56	16.76	970	-46.1	0.37	Clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: BC-5
Sampled By: B. Constand	Sample Date & Time: 11/30/2023 16:42	Pump Type: Hurricane w/ Controller
Casing Diameter: 2	Static Water Level: 9.64	Total Depth: 28.10 ~~16.12~~
Screened Interval:	Pump Inlet Setting: pump set @ 24' BToC	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
16:23	9.67	0.03	–	7.27	13.96	2178	4.7	2.47	Very Light Gray
16:26	9.67	0.03	1.0/3	7.38	14.46	2162	-55.5	1.31	Very Light Gray
16:29	9.66	0.02	1.0/3	7.45	14.89	2153	-82.2	0.62	Very Light Gray
16:32	9.67	0.03	1.0/3	7.47	15.07	2154	-91.8	0.51	Very Light Gray
16:35	9.67	0.03	1.0/3	7.48	15.01	2155	-99.1	0.40	Clear
16:38	9.67	0.03	1.0/3	7.49	15.21	2148	-105.3	0.34	Clear
16:41	9.67	0.03	1.0/3	7.50	15.18	2149	-108.6	0.32	Clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: BC-6
Sampled By: B. Constand	Sample Date & Time: 11/30/2023 15:53	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 9.83	Total Depth: 25.10
Screened Interval:	Pump Inlet Setting: Pump Set @ 21' BToC	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
15:34	9.89	0.06	–	7.30	11.84	4828	-64.7	5.97	Very Light Brown
15:37	9.89	0.06	1.0/3	7.42	14.12	4150	-98.6	1.85	Very Light Brown
15:40	9.88	0.05	1.0/3	7.45	15.20	3862	-126.2	0.70	Clear
15:43	9.88	0.05	1.0/3	7.47	15.25	3808	-133.4	0.55	Clear
15:46	9.88	0.05	1.0/3	7.49	15.32	3791	-142.5	0.42	Clear
15:49	9.89	0.06	1.0/3	7.50	15.29	3791	-145.5	0.38	Clear
15:52	9.89	0.06	1.0/3	7.50	15.30	3801	-148.4	0.37	Clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air cleaners	Project No.: DB21.1167	Well ID: EX-13
Sampled By: B. Constand	Sample Date & Time: 12/01/2023 8:51	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 7.14	Total Depth: 12.20
Screened Interval:	Pump Inlet Setting: pump set @ 10.20' BTOC	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
8:31	unable to Gauge	–	–	7.06	18.17	1207	23.0	5.13	Dark-Gray
8:36	|	–	2.0/5	7.46	18.09	1244	-55.7	0.55	Dark Gray
8:41	|	–	1.25/5	7.52	19.28	1251	-67.2	0.37	Dark-Gray
8:44	|	–	1.0/3	7.56	19.37	1257	-69.1	0.35	Gray
8:47	|	–	0.75/3	7.56	19.32	1253	-71.1	0.33	Gray
8:50	|	–	0.75/3	7.56	19.17	1254	-72.9	0.30	Gray

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: PASMW-1
Sampled By: B. Constand	Sample Date & Time: 12/01/2023 14:31	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 9.99	Total Depth: 23.11
Screened Interval:	Pump Inlet Setting: Pump Set @ 19' BToC	Tubing Type: Polyethylene

Additional notes or comments:

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
14:05	10.02	0.03	—	6.96	15.98	1523	-107.1	1.92	Brown
14:10	10.04	0.05	2.0/5	7.07	18.30	1549	-132.2	1.62	Brown
14:15	10.05	0.06	2.0/5	7.14	18.75	1550	-149.4	0.84	Light Brown
14:18	10.07	0.08	1.0/3	7.18	19.27	1543	-157.2	0.45	Very Light Brown & Lowered pump speed
14:21	10.06	0.07	0.75/3	7.22	19.01	1549	-159.8	0.38	Clear
14:24	10.05	0.06	0.75/3	7.24	19.01	1541	-161.0	0.35	clear
14:27	10.06	0.07	0.75/3	7.25	19.20	1538	-162.7	0.33	clear
14:30	10.05	0.06	0.75/3	7.26	19.17	1537	-163.8	0.31	clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: PASMW-2
Sampled By: B. Constand	Sample Date & Time: 11/30/2023 14:22	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 7.79	Total Depth: 28.07
Screened Interval:	Pump Inlet Setting: Pump Set @ 24' BToc	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
13:54	7.80	0.01	–	7.19	15.50	1406	24.5	1.47	Light Brown
13:59	7.80	0.01	2/5	7.38	15.83	1415	-27.3	0.76	Very Light Brown
14:04	7.80	0.01	2/5	7.43	15.61	1418	-46.3	0.55	Clear
14:09	7.80	0.01	1.5/5	7.46	15.69	1419	-58.0	0.46	Clear
14:12	7.80	0.01	1/3	7.48	16.02	1422	-64.1	0.41	Clear
14:15	7.80	0.01	1/3	7.50	16.15	1425	-67.5	0.35	Clear
14:18	7.80	0.01	1/3	7.51	16.25	1426	-70.0	0.33	Clear
14:21	7.80	0.01	1/3	7.52	16.20	1428	-72.8	0.31	Clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: PASMW-3
Sampled By: B. Constand	Sample Date & Time: 11/30/2023 15:08	Pump Type: Hurricane w/ Controller
Casing Diameter: 2	Static Water Level: 6.40	Total Depth: 23.30
Screened Interval:	Pump Inlet Setting: Pump Set @ 19' BTOC	Tubing Type: Polyethylene
Additional notes or comments: Collected Duplicate (PASMW-3D)		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
14:46	6.42	0.02	—	7.50	15.30	1839	-60.1	4.82	Dark-Gray
14:49	6.42	0.02	1.5/3	7.52	15.98	1805	-66.8	0.99	Light-Gray
14:52	6.41	0.01	1.0/3	7.53	15.90	1810	-64.0	0.73	Light Gray
14:55	6.41	0.01	1.0/3	7.55	16.05	1811	-73.2	0.46	Light Gray
14:58	6.41	0.01	1.0/3	7.56	16.11	1814	-76.6	0.40	Light Gray
15:01	6.41	0.01	1.0/3	7.62	16.21	1827	-79.3	0.36	Light Gray
15:04	6.41	0.01	0.75/3	7.63	16.07	1848	-81.6	0.34	Light Gray
15:07	6.41	0.01	0.75/3	7.62	16.03	1864	-83.9	0.33	Very Light Gray

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: R-12_S1
Sampled By: B. Constand	Sample Date & Time: 12/01/2023 11:36	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 8.02	Total Depth: 19.30
Screened Interval:	Pump Inlet Setting: Pump Set @ 15' BToC	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
11:13	8.09	0.07	–	7.27	14.17	1368	-4.7	6.28	Brownish/orange
11:18	8.10	0.08	3.0/5	7.45	15.07	1368	-36.9	0.88	Light Brown
11:23	8.07	0.05	2.0/5	7.49	14.67	1369	-51.0	0.50	Very Light Brown
11:26	8.09	0.07	1.0/3	7.51	15.13	1369	-56.7	0.37	Very Light Brown
11:29	8.09	0.07	1.0/3	7.51	15.14	1370	-58.1	0.35	Very Light Brown
11:32	8.09	0.07	0.75/3	7.52	15.15	1370	-60.4	0.32	Very Light Brown
11:35	8.09	0.07	0.75/3	7.52	15.20	1369	-62.5	0.29	Very Light Brown

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: [redacted] R-16
Sampled By: B. Constand	Sample Date & Time: 12/01/2023 15:32	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 11.70	Total Depth: 29.36
Screened Interval:	Pump Inlet Setting: pump set @	Tubing Type: Polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
15:09	11.73	0.03	—	6.84	14.80	743	69.2	5.83	Light Brown
15:14	11.74	0.04	2.0/5	7.57	16.23	897	-39.8	0.75	Light Brown
15:19	11.74	0.04	1.50/5	7.65	16.40	908	-55.6	0.49	Very-Light Brown
15:22	11.74	0.04	0.75/3	7.71	16.46	917	-60.8	0.42	Very-Light Brown
15:25	11.74	0.04	0.50/3	7.72	16.56	923	-66.4	0.35	Very-Light Brown
15:28	11.74	0.04	0.50/3	7.73	16.57	928	-69.7	0.32	clear
15:31	11.74	0.04	0.50/3	7.73	16.39	933	-73.4	0.31	clear

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: DBS-1
Sampled By: R. Constand	Sample Date & Time: 12/01/2023 10:39	Pump Type: Hurricane w/Controller
Casing Diameter: 2	Static Water Level: 7.82	Total Depth: 19.12
Screened Interval:	Pump Inlet Setting: pump set @ 15.0' BToc	Tubing Type: polyethylene
Additional notes or comments: Collected Duplicate (DBS-1D)		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
10:16	7.89	0.07	–	7.62	16.68	2323	-127.4	2.18	Light Brown
10:21	7.89	0.07	1.5/5	7.66	17.29	2369	-139.3	0.61	Light Brown
10:26	7.89	0.07	1.5/5	7.69	17.36	2415	-138.2	0.36	Light Brown
10:29	7.88	0.06	0.75/3	7.70	17.57	2433	-136.3	0.32	Light Brown
10:32	7.87	0.05	0.50/3	7.71	17.03	2447	-134.4	0.31	Very Light Brown
10:35	7.88	0.06	0.50/3	7.72	17.20	2435	-133.3	0.27	Very Light Brown
10:38	7.88	0.06	0.50/3	7.72	17.37	2449	-133.0	0.24	Very Light Brown

DBS&A
a Geo-Logic Company

Low Flow Groundwater Sampling Form

Project Name: Mountain Air Cleaners	Project No.: DB21.1167	Well ID: DBS-2
Sampled By: G. Constand	Sample Date & Time: 12/01/2023 8:07	Pump Type: Hurricane w/ Controller
Casing Diameter: 2	Static Water Level: 6.25	Total Depth: 18.67
Screened Interval:	Pump Inlet Setting: pump set @ 14.50' BToC	Tubing Type: polyethylene
Additional notes or comments:		

Time	Depth to Water (feet)	Drawdown (feet)	Pumping Rate (Lt./Min)	pH	Temp. (°C)	Sp. Cond. (µS/cm)	ORP (mv)	D.O. (mg/L)	Comments/Appearance
7:44	6.29	0.04	—	7.11	17.95	1892	75.5	0.72	Brown
7:49	6.29	0.04	1.75/5	7.36	16.82	1893	31.3	0.67	Light Brown
7:54	6.29	0.04	1.25/5	7.57	15.72	1902	-3.7	0.58	Light Brown
7:57	6.29	0.04	.75/3	7.57	18.25	1880	-9.8	0.47	Light Brown
8:00	6.29	0.04	.25/3	7.58	18.51	1887	-10.7	0.42	Very-Light Brown
8:03	6.29	0.04	.25/3	7.59	18.50	1888	-12.4	0.39	Very-Light Brown
8:06	6.29	0.04	.25/3	7.59	18.46	1886	-14.5	0.37	Very-Light Brown

Chain-of-Custody Record

Client: DBSA

Mailing Address: 6020 Academy Rd NE STE 100, Albuquerque NM 87109

Phone #: 505-822-9400

email or Fax#: Pfeltman@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Mountain Air Cleaners

Project #: DB21.1167

Project Manager: P. Feltman

Sampler: B. Copstead

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): -0.9 -0 =-0.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12/1/23	9:47	GW	MAMW-1	3 Voa's	HCl/2	
"	13:19		MAMW-2			
11/30/23	16:42		BC-5			
"	15:53		BC-6			
12/1/23	8:51		EX-13			
"	14:31		PASMW-1			
11/30/23	14:22		PASMW-2			
"	15:08		PASMW-3			
"	15:08		PASMW-3D			
12/1/23	11:36		R-12_S1			
"	15:32		R-16			
"	10:39		DBS-1			

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		
							X		
							X		
							X		
							X		
							X		
							X		
							X		
							X		
							X		
							X		
							X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/4/23	9:18			CDC	12/4/23	09:15
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: DBSA

Mailing Address: 6020 Academy Rd NE STE 100, Albuquerque NM 87109

Phone #: 505-822-9400

email or Fax#: Pfeltman@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Mountain Air Cleaners

Project #: DB21.1167

Project Manager: P. Feltman

Sampler: B. Constand Yogi

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.9 -0 = 0.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/1/23	10:39	GW	DBS-1D	3 Voa's	HgCl2									X		
1	8:07	1	DBS-2	1	1									X		
			TripBlank													

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12/1/23	9:18			CDO	12/1/23	09:18

Remarks: 2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Appendix B

Photographs

DBS&A
a Geo-Logic Company



1. Drill bit used for PSG installation



2. Set up to drill boring for PSG-1 (view to southeast)

MOUNTAIN AIR CLEANERS
309 PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Photographs



3. PSG-3 after PSG installation (view to south)



4. Flag identifying PSG-4 with duplicate sampler (PSG-DUP)



5. PSG-6 after installation (view to northwest)



6. Drill rig set up on groundwater screening location GWS-1 (view to southwest)

MOUNTAIN AIR CLEANERS
309 PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Photographs

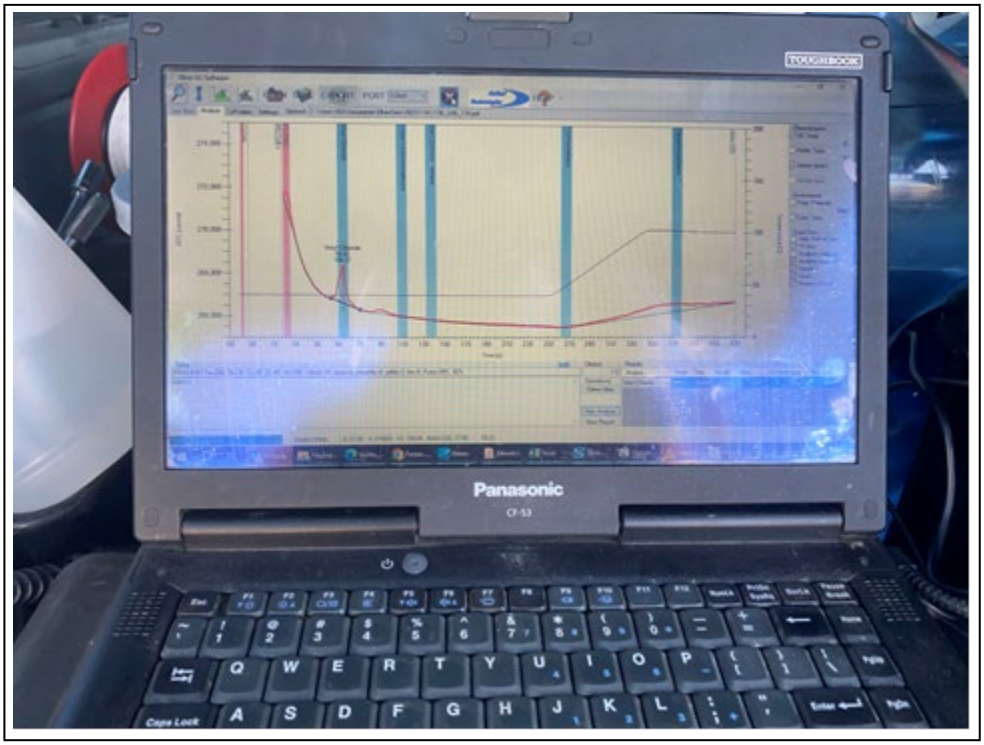


7. Peristaltic pump set up for “soda straw” sampling method at GWS-1 (view to northwest)



8. FROG portable gas chromatograph set up for groundwater screening

MOUNTAIN AIR CLEANERS
309 PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Photographs



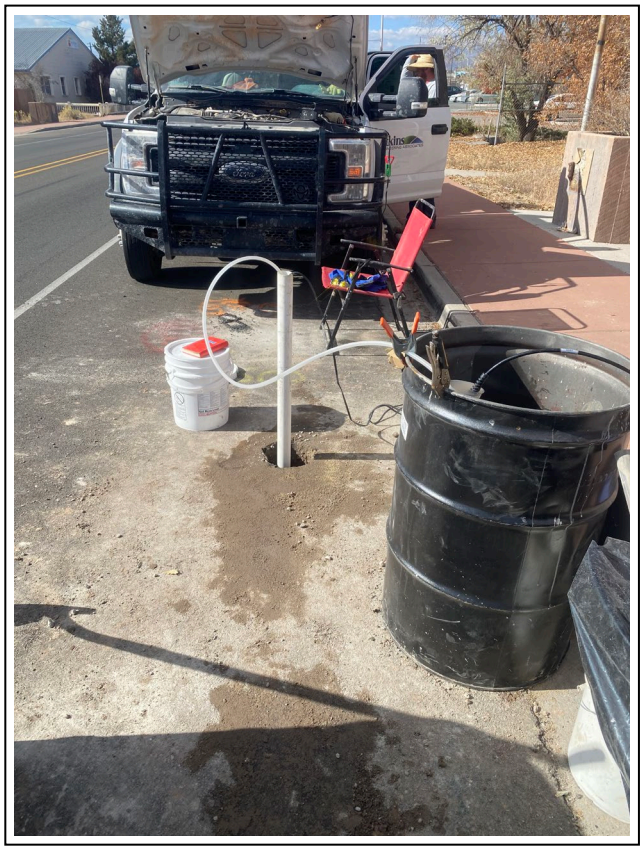
9. Laptop screen displaying FROG analysis



10. Set up for drilling GWS-2 (view to north)



11. Hollow-stem auger drilling DBS-1 (view to north)



12. Well development with submersible pump at DBS-1 (view to west)

MOUNTAIN AIR CLEANERS
309 PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Photographs



13. Surface completion for DBS-1 (view to south)



14. Surface completion for DBS-2 (view to northwest)

MOUNTAIN AIR CLEANERS
309 PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Photographs

Appendix C

Laboratory Reports

DBS&A
a Geo-Logic Company

Passive Soil Gas

DBS&A
a Geo-Logic Company

eurofins | Air Toxics

10/30/2023
Mr. John Bunch
Daniel B. Stephens & Associates, Inc.
6020 Academy NE, Suite 100

Albuquerque NM 87109

Project Name: Mountain Air Cleaners
Project #: DB21.1167
Workorder #: 2310521

Dear Mr. John Bunch

The following report includes the data for the above referenced project for sample(s) received on 10/17/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. WMS are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2310521

Work Order Summary

CLIENT:	Mr. John Bunch Daniel B. Stephens & Associates, Inc. 6020 Academy NE, Suite 100 Albuquerque, NM 87109	**BILL TO:**	Accounts Payable Daniel B. Stephens & Associates, Inc. 6020 Academy NE, Suite 100 Albuquerque, NM 87109
PHONE:	505-822-9400	**P.O. #**	DB21.1167.00.3.5
FAX:	505-822-8877	**PROJECT #**	DB21.1167 Mountain Air Cleaners
DATE RECEIVED:	10/17/2023	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	10/30/2023		

FRACTION #	NAME	TEST
01A	PSG-1	Passive S.E. WMS
02A	PSG-2	Passive S.E. WMS
03A	PSG-3	Passive S.E. WMS
03B	PSG-3	Passive S.E. WMS
04A	PSG-4	Passive S.E. WMS
05A	PSG-DUP	Passive S.E. WMS
06A	PSG-5	Passive S.E. WMS
07A	PSG-6	Passive S.E. WMS
08A	PSG-7	Passive S.E. WMS
09A	PSG-8	Passive S.E. WMS
10A	PSG-9	Passive S.E. WMS
11A	Trip Blank	Passive S.E. WMS
12A	Lab Blank	Passive S.E. WMS
13A	CCV	Passive S.E. WMS
13B	CCV	Passive S.E. WMS
14A	LCS	Passive S.E. WMS
14AA	LCSD	Passive S.E. WMS

CERTIFIED BY: Heidi Hayes DATE: 10/30/23

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

LABORATORY NARRATIVE
WMS Passive SE by Mod EPA TO-17
Daniel B. Stephens & Associates, Inc.
Workorder# 2310521

Eleven WMS-LU samples were received on October 17, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Please note that 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) can degrade into Trichloroethene (TCE) during storage on the charcoal-based sorbent used in the WMS device. Samples containing 1,1,2,2-PCA may yield reduced concentrations of 1,1,2,2-PCA and elevated concentrations of TCE.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

Requirement	***TO-17***	***ATL Modifications***
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

To calculate ug/m3 concentrations in the Lab Blank and Trip Blank, a sampling duration of 14458 minutes was applied.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSG-1

Lab ID#: 2310521-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloroform	0.050	5.3	0.085	9.1
Heptane	0.050	4.9	0.15	15
Toluene	0.050	3.4	0.14	9.6
Tetrachloroethene	0.050	2.7	0.34	18
Ethyl Benzene	0.050	2.5	1.8	89
m,p-Xylene	0.050	2.5	7.8	390
o-Xylene	0.050	2.3	2.2	100

Client Sample ID: PSG-2

Lab ID#: 2310521-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Heptane	0.050	4.9	0.23	23
Trichloroethene	0.050	3.9	0.16	12
Toluene	0.050	3.5	9.1	630
Tetrachloroethene	0.050	2.7	31	1700
Ethyl Benzene	0.050	2.5	0.069	3.4
m,p-Xylene	0.050	2.5	0.16	8.2
o-Xylene	0.050	2.3	0.068	3.1
Propylbenzene	0.050	1.8	0.10	3.7

Client Sample ID: PSG-3

Lab ID#: 2310521-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.10	13	0.30	38
cis-1,2-Dichloroethene	0.050	5.4	17	1800
Trichloroethene	0.050	3.9	16	1300
Toluene	0.050	3.5	0.51	36
m,p-Xylene	0.050	2.5	0.17	8.3
o-Xylene	0.050	2.3	0.058	2.7

eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSG-3

Lab ID#: 2310521-03B

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.066	3.5	210	11000

Client Sample ID: PSG-4

Lab ID#: 2310521-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.050	3.9	0.47	37
Tetrachloroethene	0.050	2.7	11	610
m,p-Xylene	0.050	2.5	0.14	6.8
1,2,4-Trimethylbenzene	0.050	1.5	0.38	11

Client Sample ID: PSG-DUP

Lab ID#: 2310521-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.050	3.9	0.56	44
Tetrachloroethene	0.050	2.7	14	760

Client Sample ID: PSG-5

Lab ID#: 2310521-06A

No Detections Were Found.

Client Sample ID: PSG-6

Lab ID#: 2310521-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Hexane	0.20	28	0.21	28
2-Butanone (Methyl Ethyl Ketone)	0.10	14	0.16	23
Heptane	0.050	5.0	0.15	15
Toluene	0.050	3.5	0.25	17
Ethyl Benzene	0.050	2.5	0.14	7.0
m,p-Xylene	0.050	2.5	0.37	18

eurofins | Air Toxics

Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: PSG-6

Lab ID#: 2310521-07A

o-Xylene	0.050	2.3	0.16	7.5

Client Sample ID: PSG-7

Lab ID#: 2310521-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
m,p-Xylene	0.050	2.5	0.11	5.5

Client Sample ID: PSG-8

Lab ID#: 2310521-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Toluene	0.050	3.5	0.15	10
Ethyl Benzene	0.050	2.5	0.14	6.9
m,p-Xylene	0.050	2.5	0.47	23
o-Xylene	0.050	2.3	0.13	6.0

Client Sample ID: PSG-9

Lab ID#: 2310521-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.050	3.9	0.060	4.7
Toluene	0.050	3.5	0.12	8.6
Ethyl Benzene	0.050	2.5	0.071	3.5
m,p-Xylene	0.050	2.5	0.18	9.2
o-Xylene	0.050	2.3	0.080	3.7

Client Sample ID: Trip Blank

Lab ID#: 2310521-11A

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: PSG-1

Lab ID#: 2310521-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102414sim**	**Date of Collection: 10/16/23 10:13:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 03:07 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	34	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	0.085	9.1
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	0.15	15
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.4	0.14	9.6
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	0.34	18
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	1.8	89
m,p-Xylene	0.050	2.5	7.8	390
o-Xylene	0.050	2.3	2.2	100
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14458 minutes.
Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

eurofins | Air Toxics

Client Sample ID: PSG-1

Lab ID#: 2310521-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102414sim**	**Date of Collection: 10/16/23 10:13:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 03:07 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-2

Lab ID#: 2310521-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102415sim**	**Date of Collection: 10/16/23 10:21:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 03:35 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	0.23	23
Trichloroethene	0.050	3.9	0.16	12
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.5	9.1	630
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	31	1700
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	0.069	3.4
m,p-Xylene	0.050	2.5	0.16	8.2
o-Xylene	0.050	2.3	0.068	3.1
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	0.10	3.7
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14447 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130

eurofins | Air Toxics

Client Sample ID: PSG-2

Lab ID#: 2310521-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102415sim**	**Date of Collection: 10/16/23 10:21:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 03:35 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-3

Lab ID#: 2310521-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102416sim**	**Date of Collection: 10/16/23 10:27:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 04:03 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	0.30	38
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	17	1800
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	Not Detected	Not Detected
Trichloroethene	0.050	3.9	16	1300
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.5	0.51	36
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	0.17	8.3
o-Xylene	0.050	2.3	0.058	2.7
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14442 minutes.
Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-3

Lab ID#: 2310521-03B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18102506sim**	**Date of Collection: 10/16/23 10:27:00 A**	
Dil. Factor:	**1.33**	**Date of Analysis: 10/25/23 11:26 AM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.066	3.5	210	11000

Temperature = 77.0F , duration time = 14442 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-4

Lab ID#: 2310521-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102417sim**	**Date of Collection: 10/16/23 10:36:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 04:31 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	Not Detected	Not Detected
Trichloroethene	0.050	3.9	0.47	37
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.5	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	11	610
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	0.14	6.8
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	0.38	11
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14440 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-4

Lab ID#: 2310521-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102417sim**	**Date of Collection: 10/16/23 10:36:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 04:31 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-DUP

Lab ID#: 2310521-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102418sim**	**Date of Collection: 10/16/23 10:36:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 04:59 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	Not Detected	Not Detected
Trichloroethene	0.050	3.9	0.56	44
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.5	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	14	760
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	Not Detected	Not Detected
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14440 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-DUP

Lab ID#: 2310521-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102418sim**	**Date of Collection: 10/16/23 10:36:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 04:59 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-5

Lab ID#: 2310521-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102419sim**	**Date of Collection: 10/16/23 10:43:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 05:27 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	5.0	Not Detected	Not Detected
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.3	Not Detected	Not Detected
Toluene	0.050	3.5	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	Not Detected	Not Detected
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14404 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

eurofins | Air Toxics

Client Sample ID: PSG-5

Lab ID#: 2310521-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102419sim**	**Date of Collection: 10/16/23 10:43:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 05:27 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-6

Lab ID#: 2310521-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102420sim**	**Date of Collection: 10/16/23 11:15:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 05:55 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	0.21	28
1,1-Dichloroethane	0.050	6.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	0.16	23
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	5.0	0.15	15
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.5	0.25	17
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	0.14	7.0
m,p-Xylene	0.050	2.5	0.37	18
o-Xylene	0.050	2.3	0.16	7.5
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14427 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-6

Lab ID#: 2310521-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102420sim**	**Date of Collection: 10/16/23 11:15:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 05:55 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-7

Lab ID#: 2310521-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102421sim**	**Date of Collection: 10/16/23 11:30:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 06:22 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	5.0	Not Detected	Not Detected
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.3	Not Detected	Not Detected
Toluene	0.050	3.5	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	0.11	5.5
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14405 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-7

Lab ID#: 2310521-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102421sim**	**Date of Collection: 10/16/23 11:30:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 06:22 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-8

Lab ID#: 2310521-09A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102422sim**	**Date of Collection: 10/16/23 11:37:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 06:49 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.6	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.3	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	5.0	Not Detected	Not Detected
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.3	Not Detected	Not Detected
Toluene	0.050	3.5	0.15	10
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	0.14	6.9
m,p-Xylene	0.050	2.5	0.47	23
o-Xylene	0.050	2.3	0.13	6.0
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14400 minutes.
Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-8

Lab ID#: 2310521-09A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102422sim**	**Date of Collection: 10/16/23 11:37:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 06:49 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: PSG-9

Lab ID#: 2310521-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102423sim**	**Date of Collection: 10/16/23 11:54:00 A**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 07:16 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	35	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.6	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.3	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	5.0	Not Detected	Not Detected
Trichloroethene	0.050	3.9	0.060	4.7
4-Methyl-2-pentanone	0.10	8.3	Not Detected	Not Detected
Toluene	0.050	3.5	0.12	8.6
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	0.071	3.5
m,p-Xylene	0.050	2.5	0.18	9.2
o-Xylene	0.050	2.3	0.080	3.7
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14402 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: PSG-9

Lab ID#: 2310521-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102423sim**	**Date of Collection: 10/16/23 11:54:00 A**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 07:16 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: Trip Blank

Lab ID#: 2310521-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102424sim**	**Date of Collection: 10/6/23**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 07:44 PM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	34	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	Not Detected	Not Detected
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.4	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	Not Detected	Not Detected
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14458 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

eurofins | Air Toxics

Client Sample ID: Trip Blank

Lab ID#: 2310521-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102424sim**	**Date of Collection: 10/6/23**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 07:44 PM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2310521-12A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102405sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 10:56 AM**	
		Date of Extraction: 10/24/23	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	34	Not Detected	Not Detected
Vinyl Chloride	0.20	34	Not Detected	Not Detected
1,1-Dichloroethene	0.20	30	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	6.5	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	13	Not Detected	Not Detected
Hexane	0.20	28	Not Detected	Not Detected
1,1-Dichloroethane	0.050	6.6	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	5.4	Not Detected	Not Detected
Chloroform	0.050	5.3	Not Detected	Not Detected
Cyclohexane	0.050	5.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	6.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	5.9	Not Detected	Not Detected
Benzene	0.20	19	Not Detected	Not Detected
1,2-Dichloroethane	0.050	4.6	Not Detected	Not Detected
Heptane	0.050	4.9	Not Detected	Not Detected
Trichloroethene	0.050	3.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	8.2	Not Detected	Not Detected
Toluene	0.050	3.4	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	4.0	Not Detected	Not Detected
Tetrachloroethene	0.050	2.7	Not Detected	Not Detected
Chlorobenzene	0.050	2.9	Not Detected	Not Detected
Ethyl Benzene	0.050	2.5	Not Detected	Not Detected
m,p-Xylene	0.050	2.5	Not Detected	Not Detected
o-Xylene	0.050	2.3	Not Detected	Not Detected
Styrene	0.050	2.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	2.3	Not Detected	Not Detected
Propylbenzene	0.050	1.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	1.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	1.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	1.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	1.3	Not Detected	Not Detected
Naphthalene	0.050	2.3	Not Detected	Not Detected

Temperature = 77.0F , duration time = 14458 minutes.

Container Type: WMS-LU

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2310521-12A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102405sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 10:56 AM**
		Date of Extraction: 10/24/23

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2310521-13A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102402sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 09:29 AM**
		Date of Extraction: NA

Compound	%Recovery
Chloromethane	70
Vinyl Chloride	76
1,1-Dichloroethene	84
Methyl tert-butyl ether	89
trans-1,2-Dichloroethene	88
Hexane	93
1,1-Dichloroethane	90
2-Butanone (Methyl Ethyl Ketone)	88
cis-1,2-Dichloroethene	88
Chloroform	92
Cyclohexane	94
1,1,1-Trichloroethane	96
Carbon Tetrachloride	98
Benzene	97
1,2-Dichloroethane	98
Heptane	96
Trichloroethene	95
4-Methyl-2-pentanone	97
Toluene	98
1,1,2-Trichloroethane	98
Tetrachloroethene	99
Chlorobenzene	102
Ethyl Benzene	101
m,p-Xylene	102
o-Xylene	101
Styrene	100
1,1,2,2-Tetrachloroethane	102
Propylbenzene	106
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	99
1,2-Dichlorobenzene	100
Naphthalene	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2310521-13B

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18102502sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/25/23 09:36 AM**
		Date of Extraction: NA

Compound	%Recovery
Tetrachloroethene	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2310521-14A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102403sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 09:56 AM**	
		Date of Extraction: 10/24/23	

Compound	%Recovery	Method Limits
Chloromethane	120	50-140
Vinyl Chloride	74	50-140
1,1-Dichloroethene	83	70-130
Methyl tert-butyl ether	94	70-130
trans-1,2-Dichloroethene	88	70-130
Hexane	101	70-130
1,1-Dichloroethane	91	70-130
2-Butanone (Methyl Ethyl Ketone)	83	70-130
cis-1,2-Dichloroethene	87	70-130
Chloroform	93	70-130
Cyclohexane	104	70-130
1,1,1-Trichloroethane	102	70-130
Carbon Tetrachloride	105	70-130
Benzene	98	70-130
1,2-Dichloroethane	101	70-130
Heptane	110	70-130
Trichloroethene	103	70-130
4-Methyl-2-pentanone	102	70-130
Toluene	106	70-130
1,1,2-Trichloroethane	103	70-130
Tetrachloroethene	105	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	112	70-130
m,p-Xylene	108	70-130
o-Xylene	102	70-130
Styrene	76	20-100
1,1,2,2-Tetrachloroethane	100	60-130
Propylbenzene	116	70-130
1,3,5-Trimethylbenzene	115	70-130
1,2,4-Trimethylbenzene	105	70-130
1,3-Dichlorobenzene	88	60-130
1,4-Dichlorobenzene	86	60-130
1,2-Dichlorobenzene	81	60-130
Naphthalene	22	5-80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2310521-14AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	**18102404sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/24/23 10:23 AM**	
		Date of Extraction: 10/24/23	

Compound	%Recovery	Method Limits
Chloromethane	113	50-140
Vinyl Chloride	73	50-140
1,1-Dichloroethene	86	70-130
Methyl tert-butyl ether	96	70-130
trans-1,2-Dichloroethene	89	70-130
Hexane	101	70-130
1,1-Dichloroethane	92	70-130
2-Butanone (Methyl Ethyl Ketone)	85	70-130
cis-1,2-Dichloroethene	88	70-130
Chloroform	92	70-130
Cyclohexane	104	70-130
1,1,1-Trichloroethane	102	70-130
Carbon Tetrachloride	105	70-130
Benzene	97	70-130
1,2-Dichloroethane	100	70-130
Heptane	110	70-130
Trichloroethene	103	70-130
4-Methyl-2-pentanone	102	70-130
Toluene	104	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	104	70-130
Chlorobenzene	97	70-130
Ethyl Benzene	110	70-130
m,p-Xylene	107	70-130
o-Xylene	101	70-130
Styrene	75	20-100
1,1,2,2-Tetrachloroethane	98	60-130
Propylbenzene	113	70-130
1,3,5-Trimethylbenzene	111	70-130
1,2,4-Trimethylbenzene	102	70-130
1,3-Dichlorobenzene	85	60-130
1,4-Dichlorobenzene	82	60-130
1,2-Dichlorobenzene	78	60-130
Naphthalene	20	5-80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

eurofins | Air Toxics

Passive Sorbent Chain of Custody

Case Seal #: 5404894

WO# 2310521

Company: DBS+A | Project #: D321.1167 | P.O. #:

Project Manager: J. Ravaei | Project Name: Martin Air Cleaners

Contact phone/email: | Collected by: E. Jones

Lab I.D.	Sample Identification	Sampler ID	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Sample Matrix (check one): Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other ( )	Analysis Requested	Sample Comments:
01A	PS6-1	AV-LV-23-1294	10/6/23	09:45	10/16/23	10:13		X			TOC-17	
02A	PS6-2	AV-LV-23-1292	10/6/23	09:34	10/16/23	10:21		|			|	
03A	PS6-3	AV-LV-23-1293	10/6/23	09:45	10/16/23	10:27		|			|	
04A	PS6-4	AV-LV-23-1289	10/6/23	09:56	10/16/23	10:36		|			|	
05A	PS6-DUP	AV-LV-23-1291	10/6/23	09:56	10/16/23	10:36		|			|	
06A	PS6-5	AV-LV-23-1290	10/6/23	10:39	10/16/23	10:43		|			|	
07A	PS6-6	AV-LV-23-1295	10/6/23	10:48	10/16/23	11:15		|			|	
	~~PS6-7~~	~~AV-LV-23-1300~~	~~10/6/23~~	~~11:03~~								
08A	PS6-7	AV-LV-23-1296	10/6/23	11:25	10/16/23	11:30		X			TOC-17	
09A	PS6-8	AV-LV-23-1298	10/6/23	11:37	10/16/23	11:37		|			|	
10A	PS6-9	AV-LV-23-1297	10/6/23	11:52	10/16/23	11:54		|			|	
11A	Trip Blank	AV-LV-23-1296	10/6/23	NA	NA	NA						

Reporting Units (circle): ppbv, µg/m3, ppmv, mg/m3, µg, ng

Turn Around Time: ☐ Normal ☐ Rush (Specify)

Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	Notes to Lab:
Ben Jones	10/16/23	14:30	Mark Hadley FedEx	10/17/23	10:16	
Relinquished by: (signature)	Date	Time	Received by: (signature)	Date	Time	

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

Shipper Name: FedEx | Air Bill #:

Custody Seals Intact? (Yes) No None | Temperature (°C)

Sample Condition Upon Receipt: (circle) (Good) SDR

Soil

DBS&A
a Geo-Logic Company

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 30, 2023

Jason Raucci
Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX: (505) 822-8877

RE: Moutain Air Cleaners OrderNo.: 2311982

Dear Jason Raucci:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 11/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-2 @ 4'
Project: Moutain Air Cleaners **Collection Date:** 11/15/2023 1:55:00 PM
Lab ID: 2311982-001 **Matrix:** MEOH (SOIL) **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	0.014		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Toluene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Ethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Methyl tert-butyl ether (MTBE)	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2,4-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,3,5-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2-Dichloroethane (EDC)	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2-Dibromoethane (EDB)	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Naphthalene	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1-Methylnaphthalene	ND	0.11		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
2-Methylnaphthalene	ND	0.11		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Acetone	ND	0.43		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Bromobenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Bromodichloromethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Bromoform	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Bromomethane	ND	0.11		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
2-Butanone	ND	0.29		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Carbon disulfide	ND	0.29		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Carbon tetrachloride	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Chlorobenzene	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Chloroethane	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Chloroform	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Chloromethane	ND	0.086		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
2-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
4-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
cis-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
cis-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2-Dibromo-3-chloropropane	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Dibromochloromethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Dibromomethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,3-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,4-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Dichlorodifluoromethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1-Dichloroethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1-Dichloroethene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,3-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
2,2-Dichloropropane	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-2 @ 4'
Project: Moutain Air Cleaners **Collection Date:** 11/15/2023 1:55:00 PM
Lab ID: 2311982-001 **Matrix:** MEOH (SOIL) **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Hexachlorobutadiene	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
2-Hexanone	ND	0.29		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Isopropylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
4-Isopropyltoluene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
4-Methyl-2-pentanone	ND	0.29		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Methylene chloride	ND	0.086		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
n-Butylbenzene	ND	0.086		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
n-Propylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
sec-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Styrene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
tert-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1,1,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1,2,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Tetrachloroethene (PCE)	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
trans-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
trans-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2,3-Trichlorobenzene	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2,4-Trichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1,1-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,1,2-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Trichloroethene (TCE)	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Trichlorofluoromethane	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
1,2,3-Trichloropropane	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Vinyl chloride	ND	0.029		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Xylenes, Total	ND	0.057		mg/Kg	1	11/28/2023 4:47:45 AM	R101413
Surr: Dibromofluoromethane	98.7	73-145		%Rec	1	11/28/2023 4:47:45 AM	R101413
Surr: 1,2-Dichloroethane-d4	87.4	64.8-147		%Rec	1	11/28/2023 4:47:45 AM	R101413
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 4:47:45 AM	R101413
Surr: 4-Bromofluorobenzene	103	62.1-144		%Rec	1	11/28/2023 4:47:45 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: DBS-1 @ 8'
Project: Moutain Air Cleaners
Collection Date: 11/16/2023 9:10:00 AM
Lab ID: 2311982-002
Matrix: MEOH (SOIL)
Received Date: 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	0.014		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Toluene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Ethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Methyl tert-butyl ether (MTBE)	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2,4-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,3,5-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2-Dichloroethane (EDC)	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2-Dibromoethane (EDB)	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Naphthalene	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1-Methylnaphthalene	ND	0.12		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
2-Methylnaphthalene	ND	0.12		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Acetone	ND	0.43		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Bromobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Bromodichloromethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Bromoform	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Bromomethane	ND	0.12		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
2-Butanone	ND	0.29		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Carbon disulfide	ND	0.29		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Carbon tetrachloride	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Chlorobenzene	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Chloroethane	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Chloroform	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Chloromethane	ND	0.087		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
2-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
4-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
cis-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
cis-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2-Dibromo-3-chloropropane	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Dibromochloromethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Dibromomethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,3-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,4-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Dichlorodifluoromethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1-Dichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1-Dichloroethene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,3-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
2,2-Dichloropropane	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: DBS-1 @ 8'
Project: Moutain Air Cleaners
Collection Date: 11/16/2023 9:10:00 AM
Lab ID: 2311982-002
Matrix: MEOH (SOIL)
Received Date: 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Hexachlorobutadiene	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
2-Hexanone	ND	0.29		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Isopropylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
4-Isopropyltoluene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
4-Methyl-2-pentanone	ND	0.29		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Methylene chloride	ND	0.087		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
n-Butylbenzene	ND	0.087		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
n-Propylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
sec-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Styrene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
tert-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1,1,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1,2,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Tetrachloroethene (PCE)	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
trans-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
trans-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2,3-Trichlorobenzene	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2,4-Trichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1,1-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,1,2-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Trichloroethene (TCE)	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Trichlorofluoromethane	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
1,2,3-Trichloropropane	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Vinyl chloride	ND	0.029		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Xylenes, Total	ND	0.058		mg/Kg	1	11/28/2023 6:10:23 AM	R101413
Surr: Dibromofluoromethane	104	73-145		%Rec	1	11/28/2023 6:10:23 AM	R101413
Surr: 1,2-Dichloroethane-d4	86.2	64.8-147		%Rec	1	11/28/2023 6:10:23 AM	R101413
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 6:10:23 AM	R101413
Surr: 4-Bromofluorobenzene	106	62.1-144		%Rec	1	11/28/2023 6:10:23 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-1D @ 8'
Project: Moutain Air Cleaners **Collection Date:** 11/16/2023 9:10:00 AM
Lab ID: 2311982-003 **Matrix:** MEOH (SOIL) **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	0.014		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Toluene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Ethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Methyl tert-butyl ether (MTBE)	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2,4-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,3,5-Trimethylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2-Dichloroethane (EDC)	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2-Dibromoethane (EDB)	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Naphthalene	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1-Methylnaphthalene	ND	0.11		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
2-Methylnaphthalene	ND	0.11		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Acetone	ND	0.43		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Bromobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Bromodichloromethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Bromoform	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Bromomethane	ND	0.11		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
2-Butanone	ND	0.29		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Carbon disulfide	ND	0.29		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Carbon tetrachloride	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Chlorobenzene	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Chloroethane	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Chloroform	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Chloromethane	ND	0.086		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
2-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
4-Chlorotoluene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
cis-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
cis-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2-Dibromo-3-chloropropane	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Dibromochloromethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Dibromomethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,3-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,4-Dichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Dichlorodifluoromethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1-Dichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1-Dichloroethene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,3-Dichloropropane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
2,2-Dichloropropane	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: DBS-1D @ 8'
Project: Moutain Air Cleaners
Collection Date: 11/16/2023 9:10:00 AM
Lab ID: 2311982-003
Matrix: MEOH (SOIL)
Received Date: 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Hexachlorobutadiene	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
2-Hexanone	ND	0.29		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Isopropylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
4-Isopropyltoluene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
4-Methyl-2-pentanone	ND	0.29		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Methylene chloride	ND	0.086		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
n-Butylbenzene	ND	0.086		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
n-Propylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
sec-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Styrene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
tert-Butylbenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1,1,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1,2,2-Tetrachloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Tetrachloroethene (PCE)	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
trans-1,2-DCE	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
trans-1,3-Dichloropropene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2,3-Trichlorobenzene	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2,4-Trichlorobenzene	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1,1-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,1,2-Trichloroethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Trichloroethene (TCE)	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Trichlorofluoromethane	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
1,2,3-Trichloropropane	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Vinyl chloride	ND	0.029		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Xylenes, Total	ND	0.057		mg/Kg	1	11/28/2023 6:37:55 AM	R101413
Surr: Dibromofluoromethane	101	73-145		%Rec	1	11/28/2023 6:37:55 AM	R101413
Surr: 1,2-Dichloroethane-d4	86.7	64.8-147		%Rec	1	11/28/2023 6:37:55 AM	R101413
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 6:37:55 AM	R101413
Surr: 4-Bromofluorobenzene	106	62.1-144		%Rec	1	11/28/2023 6:37:55 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MeOH Blank
Project: Moutain Air Cleaners **Collection Date:**
Lab ID: 2311982-004 **Matrix:** MEOH BLAN **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	0.025		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Toluene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Ethylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Naphthalene	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Acetone	ND	0.75		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Bromobenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Bromodichloromethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Bromoform	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Bromomethane	ND	0.20		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
2-Butanone	ND	0.50		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Carbon disulfide	ND	0.50		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Carbon tetrachloride	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Chlorobenzene	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Chloroethane	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Chloroform	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Chloromethane	ND	0.15		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
2-Chlorotoluene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
4-Chlorotoluene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
cis-1,2-DCE	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Dibromochloromethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Dibromomethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1-Dichloroethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1-Dichloroethene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2-Dichloropropane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,3-Dichloropropane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
2,2-Dichloropropane	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MeOH Blank
Project: Moutain Air Cleaners **Collection Date:**
Lab ID: 2311982-004 **Matrix:** MEOH BLAN **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Hexachlorobutadiene	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
2-Hexanone	ND	0.50		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Isopropylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
4-Isopropyltoluene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Methylene chloride	ND	0.15		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
n-Butylbenzene	ND	0.15		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
n-Propylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
sec-Butylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Styrene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
tert-Butylbenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
trans-1,2-DCE	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Trichlorofluoromethane	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Vinyl chloride	ND	0.050		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Xylenes, Total	ND	0.10		mg/Kg	1	11/28/2023 7:05:26 AM	R101413
Surr: Dibromofluoromethane	101	73-145		%Rec	1	11/28/2023 7:05:26 AM	R101413
Surr: 1,2-Dichloroethane-d4	87.1	64.8-147		%Rec	1	11/28/2023 7:05:26 AM	R101413
Surr: Toluene-d8	103	70-130		%Rec	1	11/28/2023 7:05:26 AM	R101413
Surr: 4-Bromofluorobenzene	102	62.1-144		%Rec	1	11/28/2023 7:05:26 AM	R101413

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311982**

30-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Moutain Air Cleaners

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **LCSS**	Batch ID: **R101413**	RunNo: **101413**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3731383** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	70	130			
Toluene	0.95	0.050	1.000	0	94.6	70	130			
Chlorobenzene	0.99	0.10	1.000	0	99.4	70	130			
1,1-Dichloroethene	0.85	0.050	1.000	0	85.0	42.1	158			
Trichloroethene (TCE)	0.91	0.050	1.000	0	91.1	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	73	145			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.9	64.8	147			
Surr: Toluene-d8	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		105	62.1	144			

Sample ID: **2311982-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **DBS-2 @ 4'**	Batch ID: **R101413**	RunNo: **101413**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3731385** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.54	0.014	0.5711	0	94.9	60.8	141			
Toluene	0.56	0.029	0.5711	0	97.6	15	261			
Chlorobenzene	0.59	0.057	0.5711	0	104	60.6	133			
1,1-Dichloroethene	0.48	0.029	0.5711	0	83.5	34.4	140			
Trichloroethene (TCE)	0.51	0.029	0.5711	0	89.0	58.3	134			
Surr: Dibromofluoromethane	0.29		0.2856		101	73	145			
Surr: 1,2-Dichloroethane-d4	0.26		0.2856		89.9	64.8	147			
Surr: Toluene-d8	0.28		0.2856		99.0	70	130			
Surr: 4-Bromofluorobenzene	0.30		0.2856		105	62.1	144			

Sample ID: **2311982-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **DBS-2 @ 4'**	Batch ID: **R101413**	RunNo: **101413**
Prep Date:	Analysis Date: **11/28/2023**	SeqNo: **3731386** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.52	0.014	0.5711	0	91.3	60.8	141	3.89	20	
Toluene	0.54	0.029	0.5711	0	94.0	15	261	3.73	20	
Chlorobenzene	0.58	0.057	0.5711	0	101	60.6	133	2.73	20	
1,1-Dichloroethene	0.46	0.029	0.5711	0	81.2	34.4	140	2.88	20	
Trichloroethene (TCE)	0.50	0.029	0.5711	0	87.4	58.3	134	1.79	20	
Surr: Dibromofluoromethane	0.29		0.2856		102	73	145	0	0	
Surr: 1,2-Dichloroethane-d4	0.26		0.2856		90.3	64.8	147	0	0	
Surr: Toluene-d8	0.30		0.2856		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.30		0.2856		104	62.1	144	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Daniel B. Stephens & Work Order Number: 2311982 RcptNo: 1

Received By: Nick Lowman 11/17/2023 1:25:00 PM

Completed By: Cheyenne Cason 11/17/2023 1:38:43 PM

Reviewed By: JMH 11/17/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 11/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE Suite 100
Albuquerque, NM 87109

Phone #: 505-822-9400

email or Fax#: jravvi@geo-logic.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Mountain Air Cleaners

Project #: DB21.1167.00

Project Manager: Jason Ravvi

Sampler: J. Fisher

On Ice: ☒ Yes ☐ No Log

# of Coolers: 2 | NW 11/20/23

Cooler Temp(including CF): 3.3 - 0 - 3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311952
11/15/23	1355	Soil	DBS-2@4'			001
11/16/23	0910		DBS-1@8'			002
	0910		DBS-1D@8'			003
			MeOH Blank			004

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
							X		
							X		
							X		
							X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17/23	1325	DBS&A		COD	11/17/23	1325
Date:	Time:	Relinquished by:	Received by:	Via: COD NW 11/20/23	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Groundwater

DBS&A
a Geo-Logic Company

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

Jason Raucci
Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX: (505) 822-8877

RE: Mountain Air Cleaners OrderNo.: 2311980

Dear Jason Raucci:

Eurofins Environment Testing South Central, LLC received 9 sample(s) on 11/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-1
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 11:20:00 AM
Lab ID: 2311980-001 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 9:29:51 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 9:29:51 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 9:29:51 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-1
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 11:20:00 AM
Lab ID: 2311980-001 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 9:29:51 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 9:29:51 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 9:29:51 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 9:29:51 PM	R101400
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%Rec	1	11/21/2023 9:29:51 PM	R101400
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	11/21/2023 9:29:51 PM	R101400
Surr: Dibromofluoromethane	90.0	70-130		%Rec	1	11/21/2023 9:29:51 PM	R101400
Surr: Toluene-d8	95.7	70-130		%Rec	1	11/21/2023 9:29:51 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-1D
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 11:20:00 AM
Lab ID: 2311980-002 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 9:56:55 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 9:56:55 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 9:56:55 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-1D
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 11:20:00 AM
Lab ID: 2311980-002 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 9:56:55 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 9:56:55 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 9:56:55 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 9:56:55 PM	R101400
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%Rec	1	11/21/2023 9:56:55 PM	R101400
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/21/2023 9:56:55 PM	R101400
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	11/21/2023 9:56:55 PM	R101400
Surr: Toluene-d8	98.7	70-130		%Rec	1	11/21/2023 9:56:55 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-2
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 2:30:00 PM
Lab ID: 2311980-003 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 10:24:01 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 10:24:01 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 10:24:01 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-2
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 2:30:00 PM
Lab ID: 2311980-003 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 10:24:01 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 10:24:01 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 10:24:01 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 10:24:01 PM	R101400
Surr: 1,2-Dichloroethane-d4	95.0	70-130		%Rec	1	11/21/2023 10:24:01 PM	R101400
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/21/2023 10:24:01 PM	R101400
Surr: Dibromofluoromethane	96.7	70-130		%Rec	1	11/21/2023 10:24:01 PM	R101400
Surr: Toluene-d8	99.4	70-130		%Rec	1	11/21/2023 10:24:01 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-3
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 5:05:00 PM
Lab ID: 2311980-004 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 10:51:09 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 10:51:09 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 10:51:09 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-3
Project: Mountain Air Cleaners **Collection Date:** 11/14/2023 5:05:00 PM
Lab ID: 2311980-004 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 10:51:09 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 10:51:09 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 10:51:09 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 10:51:09 PM	R101400
Surr: 1,2-Dichloroethane-d4	96.2	70-130		%Rec	1	11/21/2023 10:51:09 PM	R101400
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/21/2023 10:51:09 PM	R101400
Surr: Dibromofluoromethane	95.1	70-130		%Rec	1	11/21/2023 10:51:09 PM	R101400
Surr: Toluene-d8	95.8	70-130		%Rec	1	11/21/2023 10:51:09 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-4
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 8:45:00 AM
Lab ID: 2311980-005 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 11:18:16 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 11:18:16 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 11:18:16 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-4
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 8:45:00 AM
Lab ID: 2311980-005 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 11:18:16 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 11:18:16 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 11:18:16 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 11:18:16 PM	R101400
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	11/21/2023 11:18:16 PM	R101400
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	11/21/2023 11:18:16 PM	R101400
Surr: Dibromofluoromethane	95.4	70-130		%Rec	1	11/21/2023 11:18:16 PM	R101400
Surr: Toluene-d8	98.3	70-130		%Rec	1	11/21/2023 11:18:16 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-5
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 10:00:00 AM
Lab ID: 2311980-006 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Toluene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Naphthalene	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Acetone	ND	10		µg/L	1	11/21/2023 11:45:21 PM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Bromoform	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Bromomethane	ND	3.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
2-Butanone	ND	10		µg/L	1	11/21/2023 11:45:21 PM	R101400
Carbon disulfide	ND	10		µg/L	1	11/21/2023 11:45:21 PM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Chloroethane	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Chloroform	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Chloromethane	ND	3.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-5
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 10:00:00 AM
Lab ID: 2311980-006 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
2-Hexanone	ND	10		µg/L	1	11/21/2023 11:45:21 PM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/21/2023 11:45:21 PM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Styrene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/21/2023 11:45:21 PM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/21/2023 11:45:21 PM	R101400
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	11/21/2023 11:45:21 PM	R101400
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	11/21/2023 11:45:21 PM	R101400
Surr: Dibromofluoromethane	96.2	70-130		%Rec	1	11/21/2023 11:45:21 PM	R101400
Surr: Toluene-d8	97.9	70-130		%Rec	1	11/21/2023 11:45:21 PM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-6
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 11:10:00 AM
Lab ID: 2311980-007 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Toluene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Naphthalene	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Acetone	ND	10		µg/L	1	11/22/2023 12:12:28 AM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Bromoform	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Bromomethane	ND	3.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
2-Butanone	ND	10		µg/L	1	11/22/2023 12:12:28 AM	R101400
Carbon disulfide	ND	10		µg/L	1	11/22/2023 12:12:28 AM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Chloroethane	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Chloroform	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Chloromethane	ND	3.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
cis-1,2-DCE	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-6
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 11:10:00 AM
Lab ID: 2311980-007 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
2-Hexanone	ND	10		µg/L	1	11/22/2023 12:12:28 AM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/22/2023 12:12:28 AM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Styrene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/22/2023 12:12:28 AM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/22/2023 12:12:28 AM	R101400
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	11/22/2023 12:12:28 AM	R101400
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	11/22/2023 12:12:28 AM	R101400
Surr: Dibromofluoromethane	95.9	70-130		%Rec	1	11/22/2023 12:12:28 AM	R101400
Surr: Toluene-d8	99.0	70-130		%Rec	1	11/22/2023 12:12:28 AM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-7
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 1:10:00 PM
Lab ID: 2311980-008 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Toluene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Ethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Naphthalene	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1-Methylnaphthalene	ND	4.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
2-Methylnaphthalene	ND	4.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Acetone	ND	10		µg/L	1	11/22/2023 12:39:32 AM	R101400
Bromobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Bromodichloromethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Bromoform	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Bromomethane	ND	3.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
2-Butanone	ND	10		µg/L	1	11/22/2023 12:39:32 AM	R101400
Carbon disulfide	ND	10		µg/L	1	11/22/2023 12:39:32 AM	R101400
Carbon Tetrachloride	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Chlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Chloroethane	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Chloroform	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Chloromethane	ND	3.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
2-Chlorotoluene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
4-Chlorotoluene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
cis-1,2-DCE	1.4	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Dibromochloromethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Dibromomethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1-Dichloroethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1-Dichloroethene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2-Dichloropropane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,3-Dichloropropane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
2,2-Dichloropropane	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** GWS-7
Project: Mountain Air Cleaners **Collection Date:** 11/15/2023 1:10:00 PM
Lab ID: 2311980-008 **Matrix:** GROUNDWA **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Hexachlorobutadiene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
2-Hexanone	ND	10		µg/L	1	11/22/2023 12:39:32 AM	R101400
Isopropylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
4-Isopropyltoluene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
4-Methyl-2-pentanone	ND	10		µg/L	1	11/22/2023 12:39:32 AM	R101400
Methylene Chloride	ND	3.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
n-Butylbenzene	ND	3.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
n-Propylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
sec-Butylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Styrene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
tert-Butylbenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
trans-1,2-DCE	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Trichlorofluoromethane	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Vinyl chloride	ND	1.0		µg/L	1	11/22/2023 12:39:32 AM	R101400
Xylenes, Total	ND	1.5		µg/L	1	11/22/2023 12:39:32 AM	R101400
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	11/22/2023 12:39:32 AM	R101400
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	11/22/2023 12:39:32 AM	R101400
Surr: Dibromofluoromethane	96.7	70-130		%Rec	1	11/22/2023 12:39:32 AM	R101400
Surr: Toluene-d8	103	70-130		%Rec	1	11/22/2023 12:39:32 AM	R101400

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Mountain Air Cleaners **Collection Date:**
Lab ID: 2311980-009 **Matrix:** TRIP BLANK **Received Date:** 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Toluene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Ethylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Naphthalene	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
2-Methylnaphthalene	ND	4.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Acetone	ND	10		µg/L	1	11/27/2023 2:48:37 PM	R101434
Bromobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Bromodichloromethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Bromoform	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Bromomethane	ND	3.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
2-Butanone	ND	10		µg/L	1	11/27/2023 2:48:37 PM	R101434
Carbon disulfide	ND	10		µg/L	1	11/27/2023 2:48:37 PM	R101434
Carbon Tetrachloride	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Chlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Chloroethane	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Chloroform	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Chloromethane	ND	3.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
2-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
4-Chlorotoluene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
cis-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Dibromochloromethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Dibromomethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1-Dichloroethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1-Dichloroethene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,3-Dichloropropane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
2,2-Dichloropropane	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: Trip Blank
Project: Mountain Air Cleaners
Collection Date:
Lab ID: 2311980-009
Matrix: TRIP BLANK
Received Date: 11/17/2023 1:25:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Hexachlorobutadiene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
2-Hexanone	ND	10		µg/L	1	11/27/2023 2:48:37 PM	R101434
Isopropylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
4-Isopropyltoluene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
4-Methyl-2-pentanone	ND	10		µg/L	1	11/27/2023 2:48:37 PM	R101434
Methylene Chloride	ND	3.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
n-Butylbenzene	ND	3.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
n-Propylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
sec-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Styrene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
tert-Butylbenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
trans-1,2-DCE	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Trichlorofluoromethane	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Vinyl chloride	ND	1.0		µg/L	1	11/27/2023 2:48:37 PM	R101434
Xylenes, Total	ND	1.5		µg/L	1	11/27/2023 2:48:37 PM	R101434
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	11/27/2023 2:48:37 PM	R101434
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/27/2023 2:48:37 PM	R101434
Surr: Dibromofluoromethane	91.0	70-130		%Rec	1	11/27/2023 2:48:37 PM	R101434
Surr: Toluene-d8	98.0	70-130		%Rec	1	11/27/2023 2:48:37 PM	R101434

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R101400**	RunNo: **101400**
Prep Date:	Analysis Date: **11/21/2023**	SeqNo: **3730792** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Chlorobenzene	20	1.0	20.00	0	97.7	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	117	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.0	70	130			
Surr: Toluene-d8	9.7		10.00		96.5	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101400**	RunNo: **101400**
Prep Date:	Analysis Date: **11/21/2023**	SeqNo: **3730816** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101400**	RunNo: **101400**
Prep Date:	Analysis Date: **11/21/2023**	SeqNo: **3730816** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101400**	RunNo: **101400**
Prep Date:	Analysis Date: **11/21/2023**	SeqNo: **3730816** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.8	70	130			
Surr: Toluene-d8	9.5		10.00		94.8	70	130			

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732246** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	86.6	70	130			
Toluene	20	1.0	20.00	0	99.1	70	130			
Ethylbenzene	20	1.0	20.00	0	100	70	130			
Methyl tert-butyl ether (MTBE)	31	1.0	40.00	0	78.1	70	130			
1,2,4-Trimethylbenzene	18	1.0	20.00	0	90.9	70	130			
1,3,5-Trimethylbenzene	17	1.0	20.00	0	87.5	70	130			
1,2-Dichloroethane (EDC)	20	1.0	20.00	0	100	70	130			
1,2-Dibromoethane (EDB)	18	1.0	20.00	0	91.7	70	130			
Naphthalene	16	2.0	20.00	0	78.8	70	130			
1-Methylnaphthalene	13	4.0	20.00	0	64.8	60.3	126			
2-Methylnaphthalene	14	4.0	20.00	0	69.0	59	127			
Acetone	34	10	40.00	0	84.0	53.2	126			
Bromobenzene	18	1.0	20.00	0	92.4	70	130			
Bromodichloromethane	20	1.0	20.00	0	102	70	130			
Bromoform	16	1.0	20.00	0	82.0	70	130			
Bromomethane	21	3.0	20.00	0	106	15	213			
2-Butanone	35	10	40.00	0	88.0	59.4	136			
Carbon disulfide	33	10	40.00	0	81.5	70	130			
Carbon Tetrachloride	19	1.0	20.00	0	93.3	70	130			
Chlorobenzene	19	1.0	20.00	0	94.0	70	130			
Chloroethane	24	2.0	20.00	0	118	69.5	131			
Chloroform	19	1.0	20.00	0	92.6	70	130			
Chloromethane	28	3.0	20.00	0	140	56.9	143			
2-Chlorotoluene	17	1.0	20.00	0	86.4	70	130			
4-Chlorotoluene	18	1.0	20.00	0	89.5	70	130			
cis-1,2-DCE	23	1.0	20.00	0	114	70	130			
cis-1,3-Dichloropropene	21	1.0	20.00	0	104	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732246** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	16	2.0	20.00	0	77.6	62.3	135			
Dibromochloromethane	19	1.0	20.00	0	94.4	70	130			
Dibromomethane	20	1.0	20.00	0	97.7	70	130			
1,2-Dichlorobenzene	18	1.0	20.00	0	92.5	70	130			
1,3-Dichlorobenzene	19	1.0	20.00	0	96.5	70	130			
1,4-Dichlorobenzene	19	1.0	20.00	0	95.2	70	130			
Dichlorodifluoromethane	26	1.0	20.00	0	128	41	159			
1,1-Dichloroethane	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.1	70	130			
1,2-Dichloropropane	21	1.0	20.00	0	103	70	130			
1,3-Dichloropropane	19	1.0	20.00	0	95.2	70	130			
2,2-Dichloropropane	20	2.0	20.00	0	100	70	130			
1,1-Dichloropropene	22	1.0	20.00	0	110	70	130			
Hexachlorobutadiene	21	1.0	20.00	0	106	63.6	129			
2-Hexanone	36	10	40.00	0	90.6	63.2	130			
Isopropylbenzene	18	1.0	20.00	0	89.7	70	130			
4-Isopropyltoluene	19	1.0	20.00	0	92.5	70	130			
4-Methyl-2-pentanone	33	10	40.00	0	81.3	64.7	132			
Methylene Chloride	20	3.0	20.00	0	101	70	130			
n-Butylbenzene	19	3.0	20.00	0	95.0	70	130			
n-Propylbenzene	18	1.0	20.00	0	89.2	70	130			
sec-Butylbenzene	18	1.0	20.00	0	89.0	70	130			
Styrene	19	1.0	20.00	0	92.7	70	130			
tert-Butylbenzene	17	1.0	20.00	0	83.9	70	130			
1,1,1,2-Tetrachloroethane	18	1.0	20.00	0	91.9	70	130			
1,1,2,2-Tetrachloroethane	19	2.0	20.00	0	94.5	65.8	138			
Tetrachloroethene (PCE)	22	1.0	20.00	0	108	70	130			
trans-1,2-DCE	20	1.0	20.00	0	102	70	130			
trans-1,3-Dichloropropene	21	1.0	20.00	0	103	70	130			
1,2,3-Trichlorobenzene	18	1.0	20.00	0	90.3	70	130			
1,2,4-Trichlorobenzene	18	1.0	20.00	0	90.0	70	130			
1,1,1-Trichloroethane	19	1.0	20.00	0	97.4	70	130			
1,1,2-Trichloroethane	20	1.0	20.00	0	102	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	93.7	70	130			
Trichlorofluoromethane	21	1.0	20.00	0	104	70	130			
1,2,3-Trichloropropane	16	2.0	20.00	0	80.3	70	130			
Vinyl chloride	22	1.0	20.00	0	112	70	130			
Xylenes, Total	60	1.5	60.00	0	99.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.7	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732246** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	9.6		10.00		95.6	70	130			
Surr: Dibromofluoromethane	8.8		10.00		87.6	70	130			
Surr: Toluene-d8	9.3		10.00		93.5	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732271** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311980**

29-Nov-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101434**	RunNo: **101434**
Prep Date:	Analysis Date: **11/27/2023**	SeqNo: **3732271** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.4	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Daniel B. Stephens & | Work Order Number: 2311980 | RcptNo: 1

Received By: Nick Lowman | 11/17/2023 1:25:00 PM

Completed By: Cheyenne Cason | 11/17/2023 1:32:18 PM

Reviewed By: JM 11/17/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: MB 11/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy NE Suite 100
Albuquerque NM 87109

Phone #: 505-828-9400

email or Fax#: jmaucci@geo-logic.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Mountain Air Cleaners

Project #: DB21.1167.00

Project Manager: Jason Rucci

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (Including CF): 3.3°-0-3.3° (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 23 11980	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/14/23	1120	GW	GWS-1	3-VOA	$HgCl_2$	001								X		
	1120		GWS-1D			002								X		
	1430		GWS-2			003								X		
	1705		GWS-3			004								X		
11/15/23	0845		GWS-4			005								X		
	1000		GWS-5			006								X		
	1110		GWS-6			007								X		
	1310		GWS-7			008								X		
			TRIP BLANK	2-VOA	$HgCl_2$	009								X		

11/13/23

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17/23	1325	DBS&A		CDO	11/17/23	1325
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				11/20/23		

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 14, 2023

Patrice Feltman

Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX: (505) 822-8877

RE: Mountain Air Cleaners OrderNo.: 2312099

Dear Patrice Feltman:

Eurofins Environment Testing South Central, LLC received 15 sample(s) on 12/4/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MAMW-1
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 9:47:00 AM
Lab ID: 2312099-001
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Toluene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Ethylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2,4-Trimethylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,3,5-Trimethylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Naphthalene	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
1-Methylnaphthalene	ND	20		µg/L	10	12/10/2023 2:51:00 PM	R101727
2-Methylnaphthalene	ND	20		µg/L	10	12/10/2023 2:51:00 PM	R101727
Acetone	ND	50		µg/L	10	12/10/2023 2:51:00 PM	R101727
Bromobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Bromodichloromethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Bromoform	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Bromomethane	ND	15		µg/L	10	12/10/2023 2:51:00 PM	R101727
2-Butanone	ND	50		µg/L	10	12/10/2023 2:51:00 PM	R101727
Carbon disulfide	ND	50		µg/L	10	12/10/2023 2:51:00 PM	R101727
Carbon Tetrachloride	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Chlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Chloroethane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
Chloroform	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Chloromethane	ND	15		µg/L	10	12/10/2023 2:51:00 PM	R101727
2-Chlorotoluene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
4-Chlorotoluene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
cis-1,2-DCE	7.7	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
cis-1,3-Dichloropropene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
Dibromochloromethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Dibromomethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2-Dichlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,3-Dichlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,4-Dichlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Dichlorodifluoromethane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1-Dichloroethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1-Dichloroethene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2-Dichloropropane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,3-Dichloropropane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
2,2-Dichloropropane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MAMW-1
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 9:47:00 AM
Lab ID: 2312099-001 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Hexachlorobutadiene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
2-Hexanone	ND	50		µg/L	10	12/10/2023 2:51:00 PM	R101727
Isopropylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
4-Isopropyltoluene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
4-Methyl-2-pentanone	ND	50		µg/L	10	12/10/2023 2:51:00 PM	R101727
Methylene Chloride	ND	15		µg/L	10	12/10/2023 2:51:00 PM	R101727
n-Butylbenzene	ND	15		µg/L	10	12/10/2023 2:51:00 PM	R101727
n-Propylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
sec-Butylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Styrene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
tert-Butylbenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
Tetrachloroethene (PCE)	1100	100		µg/L	100	12/11/2023 11:27:00 AM	R101733
trans-1,2-DCE	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
trans-1,3-Dichloropropene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2,3-Trichlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2,4-Trichlorobenzene	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1,1-Trichloroethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,1,2-Trichloroethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Trichloroethene (TCE)	16	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Trichlorofluoromethane	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
1,2,3-Trichloropropane	ND	10		µg/L	10	12/10/2023 2:51:00 PM	R101727
Vinyl chloride	ND	5.0		µg/L	10	12/10/2023 2:51:00 PM	R101727
Xylenes, Total	ND	7.5		µg/L	10	12/10/2023 2:51:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	10	12/10/2023 2:51:00 PM	R101727
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	12/10/2023 2:51:00 PM	R101727
Surr: Dibromofluoromethane	96.0	70-130		%Rec	10	12/10/2023 2:51:00 PM	R101727
Surr: Toluene-d8	96.0	70-130		%Rec	10	12/10/2023 2:51:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MAMW-2
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 1:19:00 PM
Lab ID: 2312099-002 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 4:04:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 4:04:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 4:04:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MAMW-2
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 1:19:00 PM
Lab ID: 2312099-002 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 4:04:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 4:04:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Tetrachloroethene (PCE)	3.7	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Trichloroethene (TCE)	1.0	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 4:04:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 4:04:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	12/10/2023 4:04:00 PM	R101727
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/10/2023 4:04:00 PM	R101727
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	12/10/2023 4:04:00 PM	R101727
Surr: Toluene-d8	97.3	70-130		%Rec	1	12/10/2023 4:04:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BC-5
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 4:42:00 PM
Lab ID: 2312099-003
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 4:28:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 4:28:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 4:28:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
cis-1,2-DCE	1.4	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BC-5
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 4:42:00 PM
Lab ID: 2312099-003
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 4:28:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 4:28:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 4:28:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 4:28:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	1	12/10/2023 4:28:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 4:28:00 PM	R101727
Surr: Dibromofluoromethane	98.6	70-130		%Rec	1	12/10/2023 4:28:00 PM	R101727
Surr: Toluene-d8	97.9	70-130		%Rec	1	12/10/2023 4:28:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BC-6
Project: Mountain Air Cleaners **Collection Date:** 11/30/2023 3:53:00 PM
Lab ID: 2312099-004 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 4:53:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 4:53:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 4:53:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
cis-1,2-DCE	18	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BC-6
Project: Mountain Air Cleaners **Collection Date:** 11/30/2023 3:53:00 PM
Lab ID: 2312099-004 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 4:53:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 4:53:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
trans-1,2-DCE	7.3	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Trichloroethene (TCE)	2.3	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 4:53:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 4:53:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%Rec	1	12/10/2023 4:53:00 PM	R101727
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/10/2023 4:53:00 PM	R101727
Surr: Dibromofluoromethane	96.0	70-130		%Rec	1	12/10/2023 4:53:00 PM	R101727
Surr: Toluene-d8	101	70-130		%Rec	1	12/10/2023 4:53:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** EX-13
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 8:51:00 AM
Lab ID: 2312099-005 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 5:17:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 5:17:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 5:17:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: EX-13
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 8:51:00 AM
Lab ID: 2312099-005
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 5:17:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 5:17:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 5:17:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 5:17:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%Rec	1	12/10/2023 5:17:00 PM	R101727
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/10/2023 5:17:00 PM	R101727
Surr: Dibromofluoromethane	99.8	70-130		%Rec	1	12/10/2023 5:17:00 PM	R101727
Surr: Toluene-d8	97.7	70-130		%Rec	1	12/10/2023 5:17:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-1
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 2:31:00 PM
Lab ID: 2312099-006
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 5:41:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 5:41:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 5:41:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
cis-1,2-DCE	340	10		µg/L	10	12/11/2023 11:03:00 AM	R101733
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-1
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 2:31:00 PM
Lab ID: 2312099-006
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 5:41:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 5:41:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
sec-Butylbenzene	4.8	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
trans-1,2-DCE	160	10		µg/L	10	12/11/2023 11:03:00 AM	R101733
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Trichloroethene (TCE)	50	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Vinyl chloride	1.1	1.0		µg/L	1	12/10/2023 5:41:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 5:41:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	88.9	70-130		%Rec	1	12/10/2023 5:41:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 5:41:00 PM	R101727
Surr: Dibromofluoromethane	93.8	70-130		%Rec	1	12/10/2023 5:41:00 PM	R101727
Surr: Toluene-d8	104	70-130		%Rec	1	12/10/2023 5:41:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-2
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 2:22:00 PM
Lab ID: 2312099-007
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Toluene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Ethylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Naphthalene	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1-Methylnaphthalene	ND	4.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
2-Methylnaphthalene	ND	4.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Acetone	ND	10		µg/L	1	12/11/2023 10:38:00 AM	R101733
Bromobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Bromodichloromethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Bromoform	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Bromomethane	ND	3.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
2-Butanone	ND	10		µg/L	1	12/11/2023 10:38:00 AM	R101733
Carbon disulfide	ND	10		µg/L	1	12/11/2023 10:38:00 AM	R101733
Carbon Tetrachloride	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Chlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Chloroethane	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Chloroform	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Chloromethane	ND	3.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
2-Chlorotoluene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
4-Chlorotoluene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
cis-1,2-DCE	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Dibromochloromethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Dibromomethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1-Dichloroethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1-Dichloroethene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2-Dichloropropane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,3-Dichloropropane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
2,2-Dichloropropane	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-2
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 2:22:00 PM
Lab ID: 2312099-007
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Hexachlorobutadiene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
2-Hexanone	ND	10		µg/L	1	12/11/2023 10:38:00 AM	R101733
Isopropylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
4-Isopropyltoluene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
4-Methyl-2-pentanone	ND	10		µg/L	1	12/11/2023 10:38:00 AM	R101733
Methylene Chloride	ND	3.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
n-Butylbenzene	ND	3.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
n-Propylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
sec-Butylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Styrene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
tert-Butylbenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
trans-1,2-DCE	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Trichlorofluoromethane	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Vinyl chloride	ND	1.0		µg/L	1	12/11/2023 10:38:00 AM	R101733
Xylenes, Total	ND	1.5		µg/L	1	12/11/2023 10:38:00 AM	R101733
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	12/11/2023 10:38:00 AM	R101733
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/11/2023 10:38:00 AM	R101733
Surr: Dibromofluoromethane	96.8	70-130		%Rec	1	12/11/2023 10:38:00 AM	R101733
Surr: Toluene-d8	99.4	70-130		%Rec	1	12/11/2023 10:38:00 AM	R101733

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-3
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 3:08:00 PM
Lab ID: 2312099-008
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 6:30:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 6:30:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 6:30:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
cis-1,2-DCE	33	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-3
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 3:08:00 PM
Lab ID: 2312099-008
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 6:30:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 6:30:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Tetrachloroethene (PCE)	5.0	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
trans-1,2-DCE	9.3	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Trichloroethene (TCE)	46	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 6:30:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 6:30:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%Rec	1	12/10/2023 6:30:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 6:30:00 PM	R101727
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	12/10/2023 6:30:00 PM	R101727
Surr: Toluene-d8	101	70-130		%Rec	1	12/10/2023 6:30:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** PASMW-3D
Project: Mountain Air Cleaners **Collection Date:** 11/30/2023 3:08:00 PM
Lab ID: 2312099-009 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 6:54:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 6:54:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 6:54:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
cis-1,2-DCE	34	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: PASMW-3D
Project: Mountain Air Cleaners
Collection Date: 11/30/2023 3:08:00 PM
Lab ID: 2312099-009
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 6:54:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 6:54:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Tetrachloroethene (PCE)	5.0	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
trans-1,2-DCE	9.5	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Trichloroethene (TCE)	47	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 6:54:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 6:54:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	12/10/2023 6:54:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 6:54:00 PM	R101727
Surr: Dibromofluoromethane	95.9	70-130		%Rec	1	12/10/2023 6:54:00 PM	R101727
Surr: Toluene-d8	101	70-130		%Rec	1	12/10/2023 6:54:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: R-12_S1
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 11:36:00 AM
Lab ID: 2312099-010
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 7:18:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 7:18:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 7:18:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
cis-1,2-DCE	8.8	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: R-12_S1
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 11:36:00 AM
Lab ID: 2312099-010
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 7:18:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 7:18:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Tetrachloroethene (PCE)	2.0	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
trans-1,2-DCE	9.9	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Trichloroethene (TCE)	5.6	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 7:18:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 7:18:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	12/10/2023 7:18:00 PM	R101727
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/10/2023 7:18:00 PM	R101727
Surr: Dibromofluoromethane	96.1	70-130		%Rec	1	12/10/2023 7:18:00 PM	R101727
Surr: Toluene-d8	99.7	70-130		%Rec	1	12/10/2023 7:18:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** R-16
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 3:32:00 PM
Lab ID: 2312099-011 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 7:42:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 7:42:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 7:42:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
cis-1,2-DCE	3.9	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** R-16
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 3:32:00 PM
Lab ID: 2312099-011 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 7:42:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 7:42:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
trans-1,2-DCE	1.1	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 7:42:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 7:42:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	93.3	70-130		%Rec	1	12/10/2023 7:42:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 7:42:00 PM	R101727
Surr: Dibromofluoromethane	100	70-130		%Rec	1	12/10/2023 7:42:00 PM	R101727
Surr: Toluene-d8	101	70-130		%Rec	1	12/10/2023 7:42:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-1
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 10:39:00 AM
Lab ID: 2312099-012 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 8:06:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 8:06:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 8:06:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-1
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 10:39:00 AM
Lab ID: 2312099-012 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 8:06:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 8:06:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Tetrachloroethene (PCE)	6.9	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 8:06:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 8:06:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	12/10/2023 8:06:00 PM	R101727
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/10/2023 8:06:00 PM	R101727
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	12/10/2023 8:06:00 PM	R101727
Surr: Toluene-d8	99.1	70-130		%Rec	1	12/10/2023 8:06:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-1D
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 10:39:00 AM
Lab ID: 2312099-013 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 8:31:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 8:31:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 8:31:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
cis-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: DBS-1D
Project: Mountain Air Cleaners
Collection Date: 12/1/2023 10:39:00 AM
Lab ID: 2312099-013
Matrix: GROUNDWA
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 8:31:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 8:31:00 PM	R101727
Methylene Chloride	ND	3.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Tetrachloroethene (PCE)	7.2	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 8:31:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 8:31:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	12/10/2023 8:31:00 PM	R101727
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/10/2023 8:31:00 PM	R101727
Surr: Dibromofluoromethane	100	70-130		%Rec	1	12/10/2023 8:31:00 PM	R101727
Surr: Toluene-d8	97.9	70-130		%Rec	1	12/10/2023 8:31:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-2
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 8:07:00 AM
Lab ID: 2312099-014 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Toluene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Ethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Naphthalene	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
2-Methylnaphthalene	ND	4.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Acetone	ND	10		µg/L	1	12/10/2023 8:55:00 PM	R101727
Bromobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Bromodichloromethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Bromoform	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Bromomethane	ND	3.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
2-Butanone	ND	10		µg/L	1	12/10/2023 8:55:00 PM	R101727
Carbon disulfide	ND	10		µg/L	1	12/10/2023 8:55:00 PM	R101727
Carbon Tetrachloride	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Chlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Chloroethane	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Chloroform	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Chloromethane	ND	3.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
2-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
4-Chlorotoluene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
cis-1,2-DCE	1.2	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Dibromochloromethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Dibromomethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1-Dichloroethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1-Dichloroethene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,3-Dichloropropane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
2,2-Dichloropropane	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-2
Project: Mountain Air Cleaners **Collection Date:** 12/1/2023 8:07:00 AM
Lab ID: 2312099-014 **Matrix:** GROUNDWA **Received Date:** 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Hexachlorobutadiene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
2-Hexanone	ND	10		µg/L	1	12/10/2023 8:55:00 PM	R101727
Isopropylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
4-Isopropyltoluene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
4-Methyl-2-pentanone	ND	10		µg/L	1	12/10/2023 8:55:00 PM	R101727
Methylene Chloride	35	3.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
n-Butylbenzene	ND	3.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
n-Propylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
sec-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Styrene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
tert-Butylbenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
trans-1,2-DCE	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Trichlorofluoromethane	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Vinyl chloride	ND	1.0		µg/L	1	12/10/2023 8:55:00 PM	R101727
Xylenes, Total	ND	1.5		µg/L	1	12/10/2023 8:55:00 PM	R101727
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	12/10/2023 8:55:00 PM	R101727
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/10/2023 8:55:00 PM	R101727
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	12/10/2023 8:55:00 PM	R101727
Surr: Toluene-d8	99.3	70-130		%Rec	1	12/10/2023 8:55:00 PM	R101727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: Trip Blank
Project: Mountain Air Cleaners
Collection Date:
Lab ID: 2312099-015
Matrix: TRIP BLANK
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Toluene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Ethylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Naphthalene	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1-Methylnaphthalene	ND	4.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
2-Methylnaphthalene	ND	4.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Acetone	ND	10		µg/L	1	12/11/2023 11:52:00 AM	R101733
Bromobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Bromodichloromethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Bromoform	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Bromomethane	ND	3.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
2-Butanone	ND	10		µg/L	1	12/11/2023 11:52:00 AM	R101733
Carbon disulfide	ND	10		µg/L	1	12/11/2023 11:52:00 AM	R101733
Carbon Tetrachloride	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Chlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Chloroethane	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Chloroform	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Chloromethane	ND	3.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
2-Chlorotoluene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
4-Chlorotoluene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
cis-1,2-DCE	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Dibromochloromethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Dibromomethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1-Dichloroethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1-Dichloroethene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2-Dichloropropane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,3-Dichloropropane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
2,2-Dichloropropane	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: Trip Blank
Project: Mountain Air Cleaners
Collection Date:
Lab ID: 2312099-015
Matrix: TRIP BLANK
Received Date: 12/4/2023 9:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Hexachlorobutadiene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
2-Hexanone	ND	10		µg/L	1	12/11/2023 11:52:00 AM	R101733
Isopropylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
4-Isopropyltoluene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
4-Methyl-2-pentanone	ND	10		µg/L	1	12/11/2023 11:52:00 AM	R101733
Methylene Chloride	ND	3.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
n-Butylbenzene	ND	3.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
n-Propylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
sec-Butylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Styrene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
tert-Butylbenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
trans-1,2-DCE	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Trichlorofluoromethane	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Vinyl chloride	ND	1.0		µg/L	1	12/11/2023 11:52:00 AM	R101733
Xylenes, Total	ND	1.5		µg/L	1	12/11/2023 11:52:00 AM	R101733
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	12/11/2023 11:52:00 AM	R101733
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/11/2023 11:52:00 AM	R101733
Surr: Dibromofluoromethane	99.9	70-130		%Rec	1	12/11/2023 11:52:00 AM	R101733
Surr: Toluene-d8	99.6	70-130		%Rec	1	12/11/2023 11:52:00 AM	R101733

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748313** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.1	70	130			
Toluene	19	1.0	20.00	0	93.1	70	130			
Chlorobenzene	19	1.0	20.00	0	93.1	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	88.2	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	85.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	9.4		10.00		93.8	70	130			
Surr: Toluene-d8	9.8		10.00		98.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748314** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748314** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748314** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.2		10.00		91.9	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	9.9		10.00		99.2	70	130			

Sample ID: **2312099-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MAMW-1**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748316** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	170	10	200.0	0	85.2	70	130			
Toluene	170	10	200.0	0	85.2	70	130			
Chlorobenzene	170	10	200.0	0	84.8	70	130			
1,1-Dichloroethene	160	10	200.0	0	80.8	70	130			
Trichloroethene (TCE)	170	10	200.0	15.94	79.1	70	130			
Surr: 1,2-Dichloroethane-d4	96		100.0		95.5	70	130			
Surr: 4-Bromofluorobenzene	100		100.0		103	70	130			
Surr: Dibromofluoromethane	97		100.0		96.6	70	130			
Surr: Toluene-d8	98		100.0		98.4	70	130			

Sample ID: **2312099-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MAMW-1**	Batch ID: **R101727**	RunNo: **101727**
Prep Date:	Analysis Date: **12/10/2023**	SeqNo: **3748317** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	190	10	200.0	0	97.0	70	130	12.9	20	
Toluene	200	10	200.0	0	98.9	70	130	14.8	20	
Chlorobenzene	200	10	200.0	0	99.1	70	130	15.6	20	
1,1-Dichloroethene	180	10	200.0	0	90.9	70	130	11.7	20	
Trichloroethene (TCE)	190	10	200.0	15.94	89.5	70	130	11.3	20	
Surr: 1,2-Dichloroethane-d4	96		100.0		95.6	70	130	0	0	
Surr: 4-Bromofluorobenzene	100		100.0		103	70	130	0	0	
Surr: Dibromofluoromethane	98		100.0		97.5	70	130	0	0	
Surr: Toluene-d8	98		100.0		98.1	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R101733**	RunNo: **101733**
Prep Date:	Analysis Date: **12/11/2023**	SeqNo: **3749144** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.6	70	130			
Toluene	19	1.0	20.00	0	97.2	70	130			
Chlorobenzene	20	1.0	20.00	0	97.6	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	89.2	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	88.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.2	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101733**	RunNo: **101733**
Prep Date:	Analysis Date: **12/11/2023**	SeqNo: **3750183** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101733**	RunNo: **101733**
Prep Date:	Analysis Date: **12/11/2023**	SeqNo: **3750183** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312099**

14-Dec-23

Client: Daniel B. Stephens & Assoc.

Project: Mountain Air Cleaners

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R101733**	RunNo: **101733**
Prep Date:	Analysis Date: **12/11/2023**	SeqNo: **3750183** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Daniel B. Stephens & Work Order Number: 2312099 NM 12/4/23 RcptNo: 1

Received By: Nick Lowman NM 12/4/23 12/4/2023 9:18:00 AM

Completed By: Desiree Dominguez 12/4/2023 10:15:02 AM DD

Reviewed By: JN 12/4/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
	~~Samples not frozen.~~	See remarks below. NM 12/4/23	
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 12/4/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks: ONE VOA FROM SAMPLE 007 RECEIVED FROZEN. SCM 12/4/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-0.9	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: DBSA

Mailing Address: 6020 Academy Rd NE
STE 100, Albuquerque NM 87109

Phone #: 505-822-9400

email or Fax#: Pfeltman@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Mountain Air Cleaners

Project #: DB21.1167

Project Manager: P. Feltman

Sampler: B. Copstead Yogi

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): -0.9 -0 =-0.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312099	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/1/23	9:47	GW	MAMW-1	3 Voa's	HgCl2	-001								X		
	13:19		MAMW-2			-002								X		
11/30/23	16:42		BC-5			-003								X		
	15:53		BC-6			-004								X		
12/1/23	8:51		EX-13			-005								X		
	14:31		PASMW-1			-006								X		
11/30/23	14:22		PASMW-2			-007								X		
	15:08		PASMW-3			-008								X		
	15:08		PASMW-3D			-009								X		
12/1/23	11:36		R-12_S1			-010								X		
	15:32		R-16			-011								X		
	10:39		DBS-1			-012								X		

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12/4/23	9:18			CDO	12/4/23	0918
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: DBSA

Mailing Address: 6020 Academy Rd NE
STE 100, Albuquerque NM 87109

Phone #: 505-822-9400

email or Fax#: pfeltman@geo-logic.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name:
Mountain Air Cleaners

Project #:
DB21.1167

Project Manager:
P. Feltman

Sampler: B. Constand Yogi

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): ~0.9 -0 = ~0.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312099	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/1/23	10:39	GW	DBS-1D	3 Voa's	HgCl2	-013								X		
	8:07		DBS-2			-014								X		
			TripBlank			-015										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/4/23	9:18			CDO	12/4/23	098
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

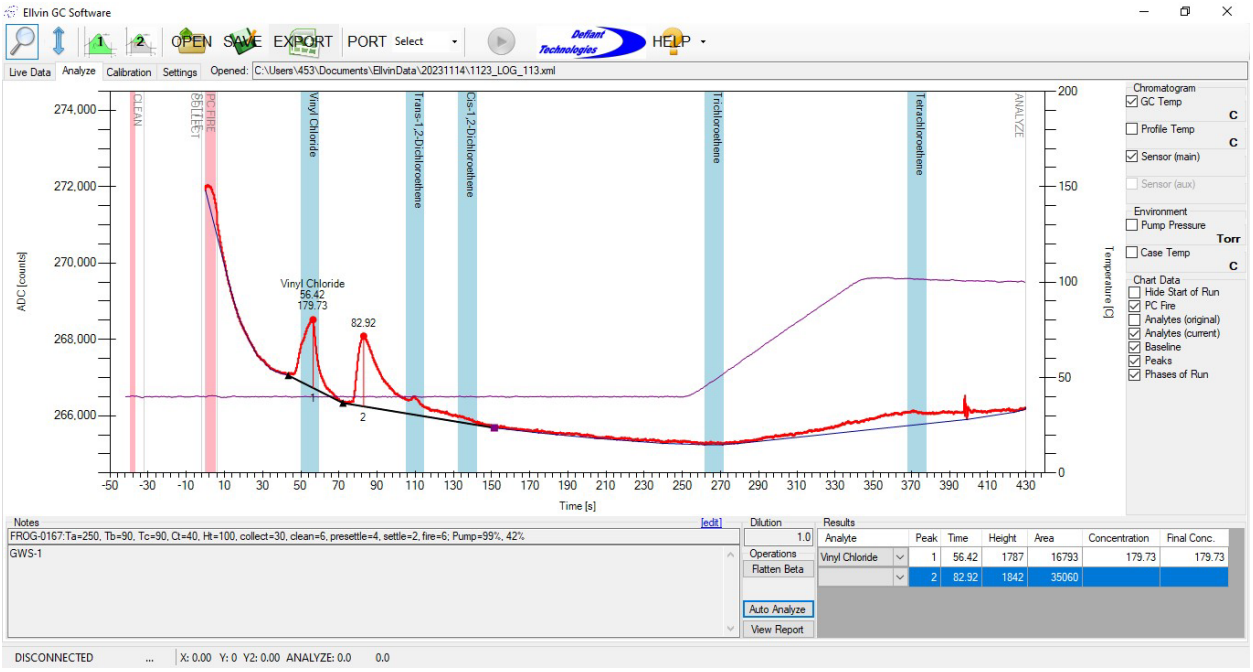
Remarks:
2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

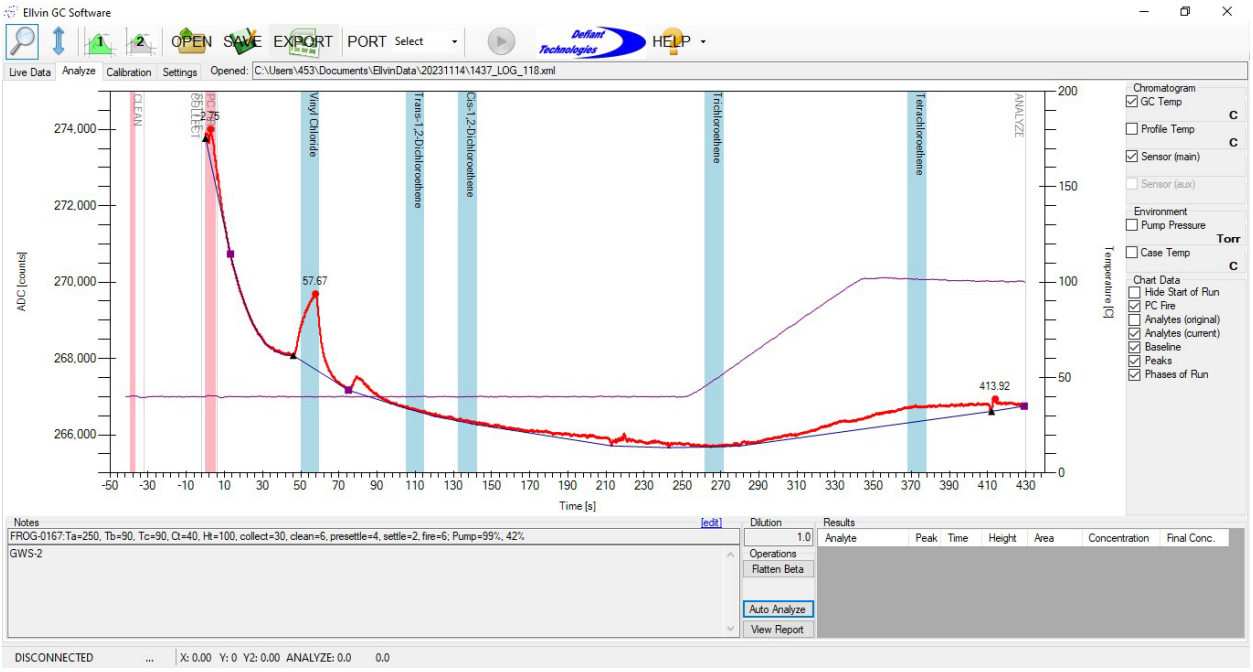
Appendix D

FROG Analysis

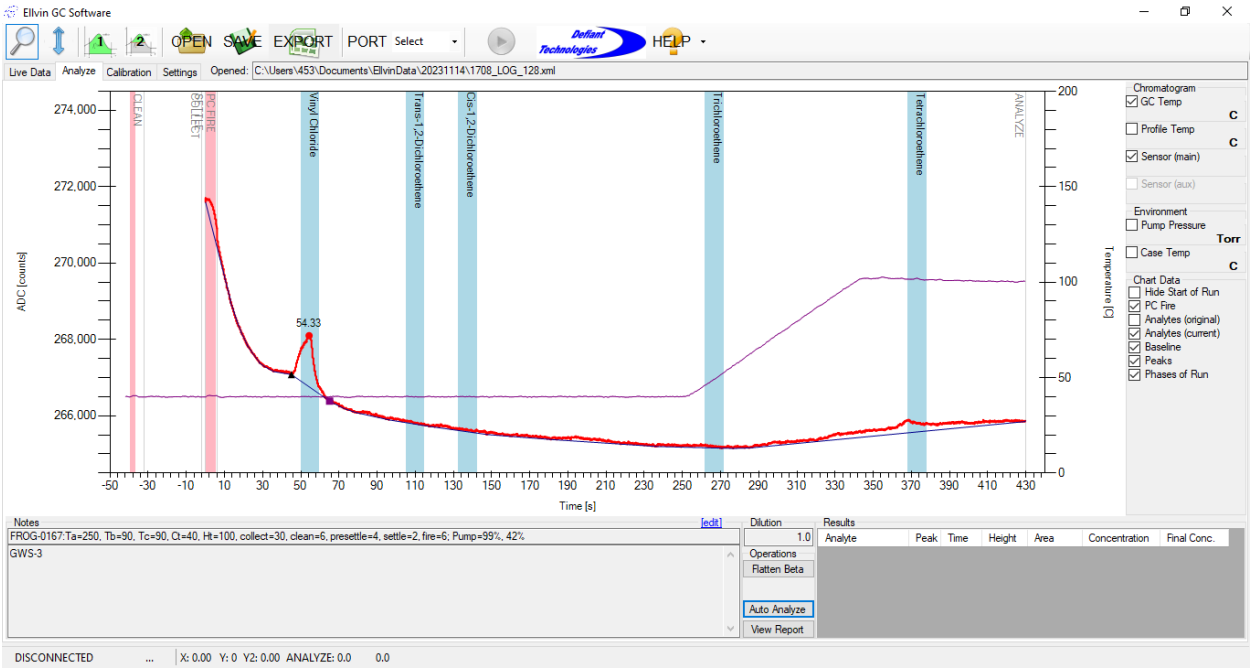
DBS&A
a Geo-Logic Company



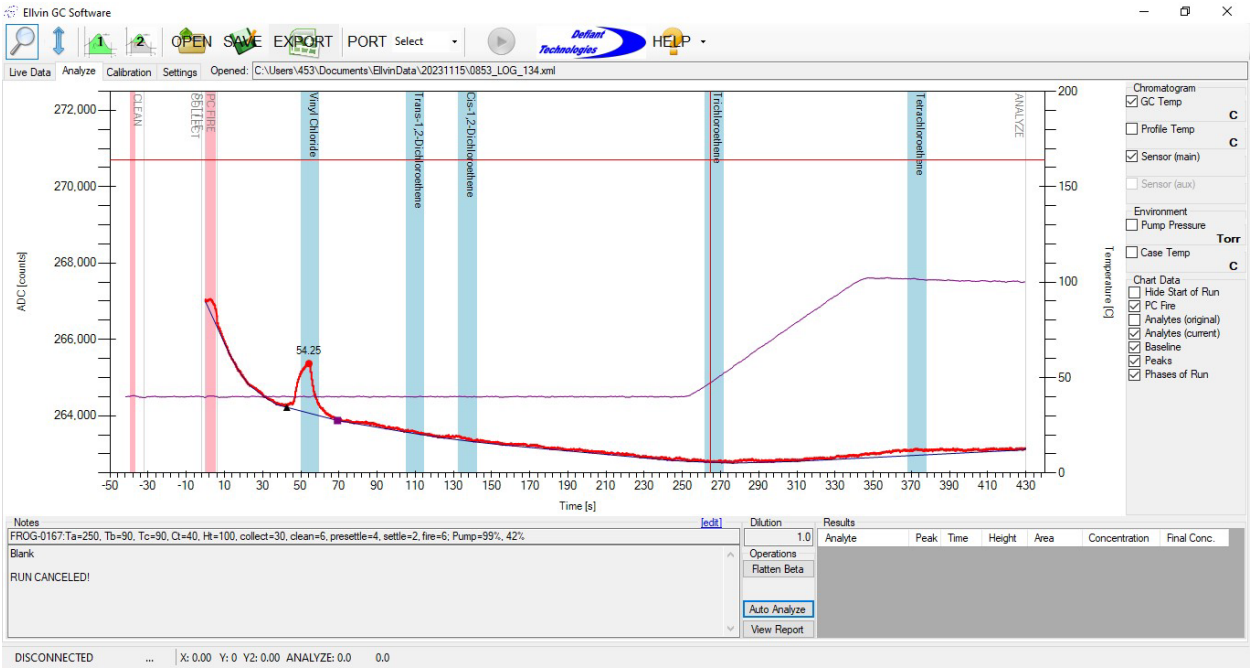
FROG analysis of sample from groundwater quality screening location GWS-1



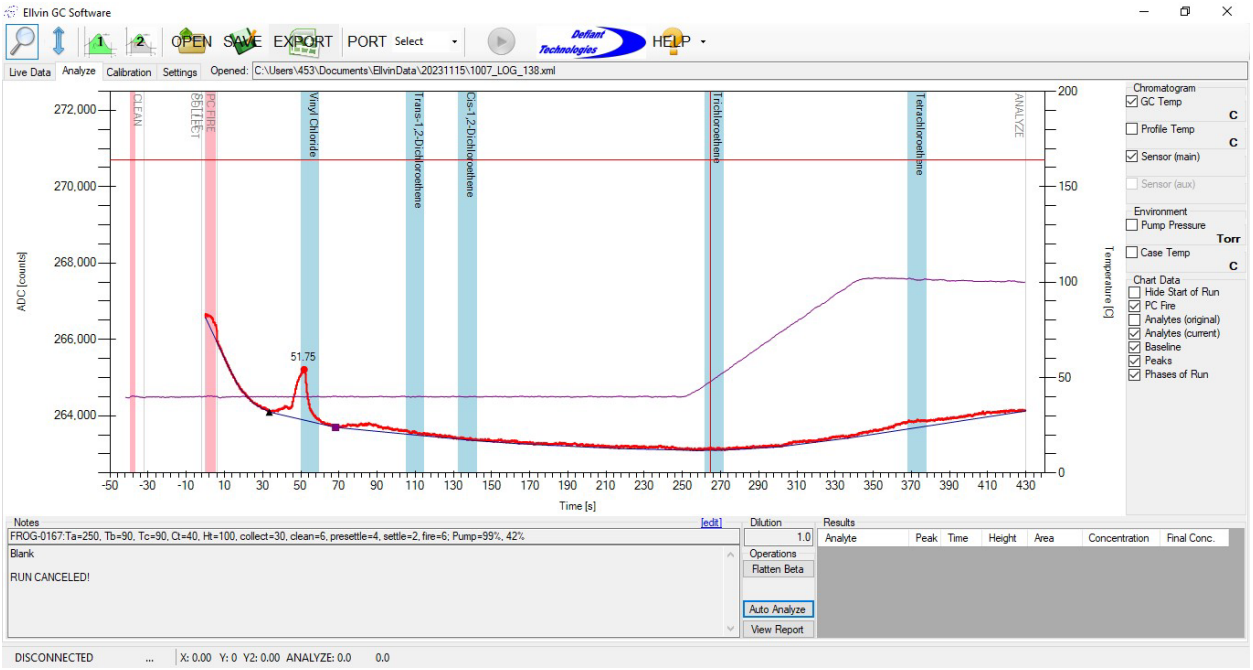
FROG analysis of sample from groundwater quality screening location GWS-2



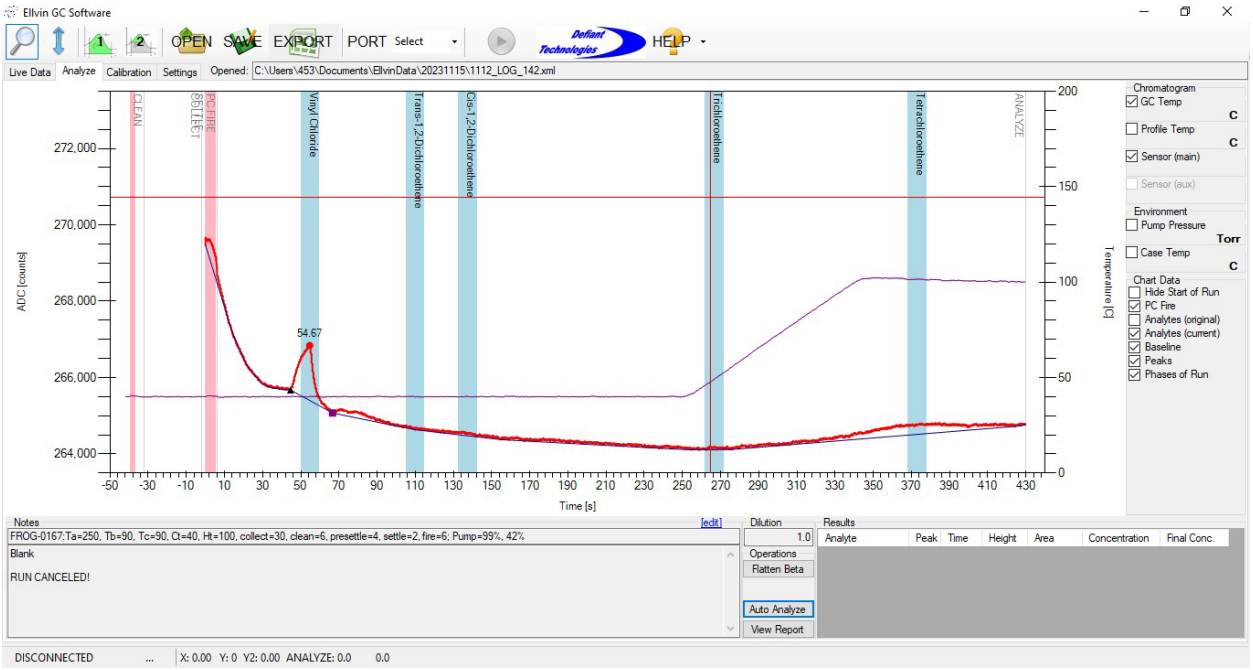
FROG analysis of sample from groundwater quality screening location GWS-3



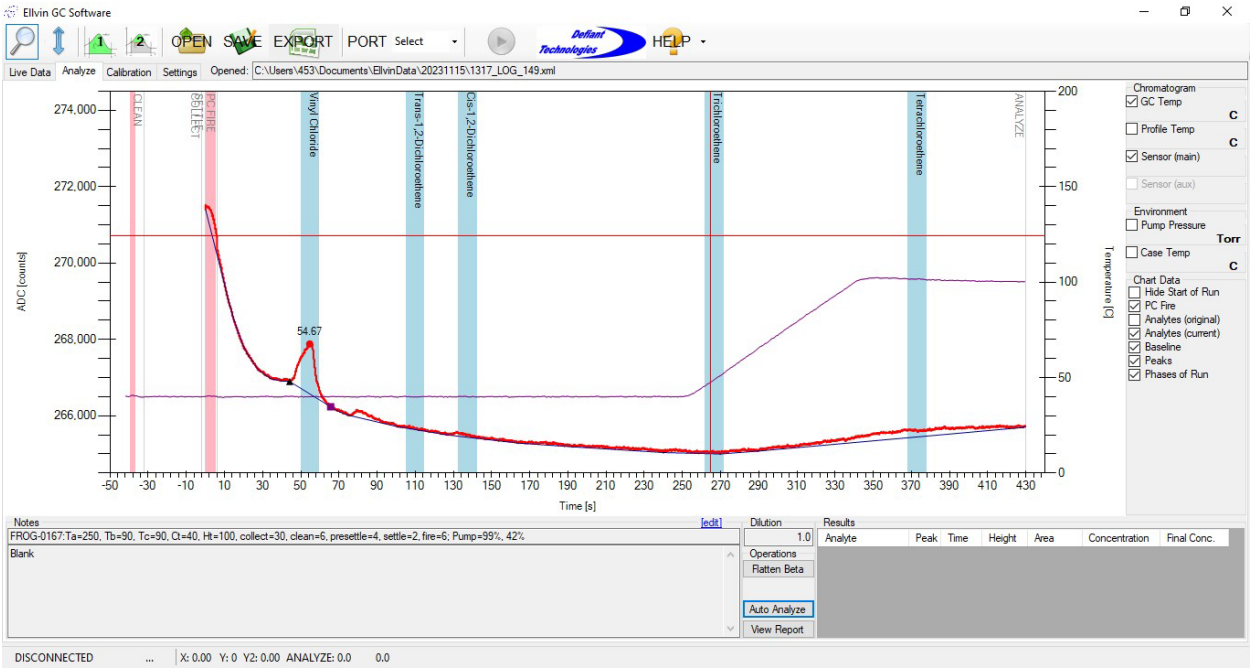
FROG analysis of sample from groundwater quality screening location GWS-4



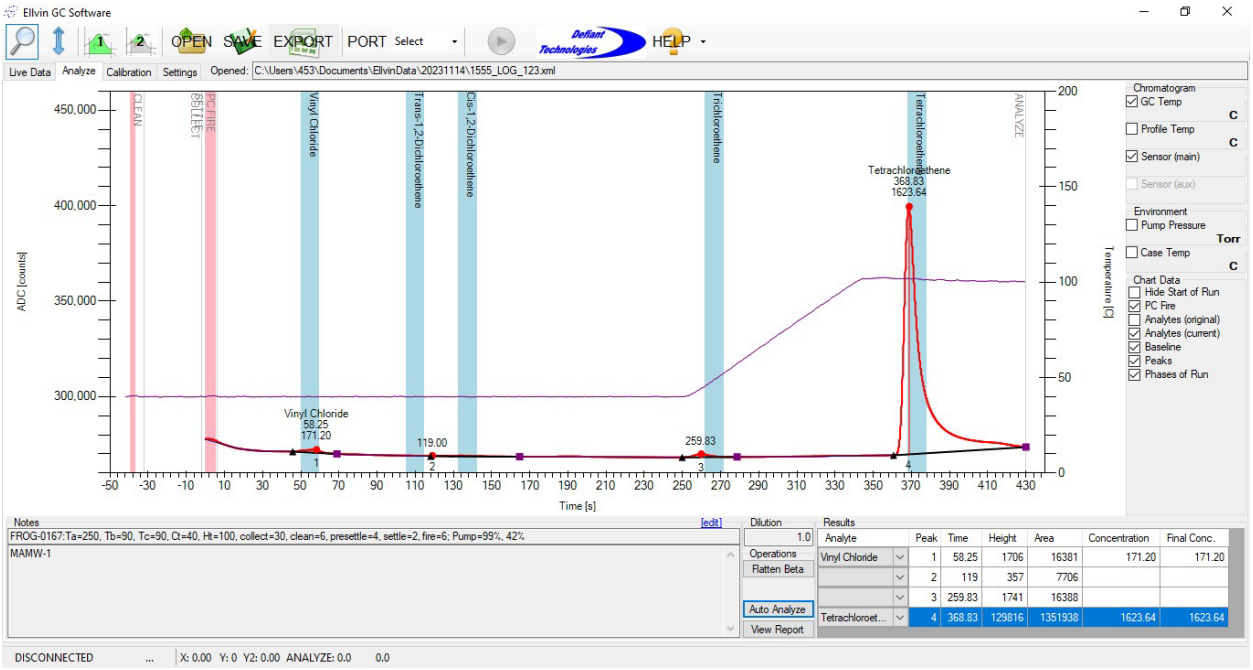
FROG analysis of sample from groundwater quality screening location GWS-5



FROG analysis of sample from groundwater quality screening location GWS-6



FROG analysis of sample from groundwater quality screening location GWS-7



FROG analysis of sample from existing site well MAMW-1

Appendix E

Office of the State Engineer Well Permits

DBS&A
a Geo-Logic Company

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
DISTRICT VI - SANTA FE

Mike A. Hamman, P.E.
State Engineer

PO Box 25102
Santa Fe, New Mexico 87504-5102
(505) 827-6120
FAX: (505) 827-6682

November 9, 2023

D&D Mountain Air Cleaners
c/o Dina Quintana and Richard J. Beaudoin
309 North Paseo de Onate
Espanola, NM 87532

Daniel B. Stephens & Associates
c/o Patrice Feltman
6020 Academy Rd NE, Suite 100
Albuquerque, NM 87109

Re: Approval of Permit RG-85756-POD181 through POD188

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the attached conditions of approval. In accordance with the conditions of approval, the well can be used for monitoring purposes only.

A Well Record and Log (OSE Form wr-20) shall be filed in this office within thirty (30) days after completion of drilling. Appropriate forms can be downloaded from the OSE website, www.ose.state.nm.us, or can be mailed upon request.

Please address any questions by telephone to me at 505-827-3922 or email at joey.maestas@ose.nm.gov

Sincerely,

Joey J. Maestas
Water Resources Professional
Water Rights Division, District VI

Enclosure
Cc: file, WATERS

File No. RG-85756-POD181 thru POD188

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well (Pump test)	☐ Construction Site/Public Works Dewatering	☐ Other(Describe):
☒ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

☒ Temporary Request - Requested Start Date: 11/13/23 Requested End Date: Unknown

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

1. APPLICANT(S)

Name: D&D Mountain Air Cleaners	Name: Daniel B. Stephens & Associates
Contact or Agent: check here if Agent ☐ Dina Quinitana and Richard J. Beaudoin	Contact or Agent: check here if Agent ☒ Patrice Feltman
Mailing Address: 309 North Paseo de Onate	Mailing Address: 6020 Academy Rd NE, Suite 100
City: Espanola	City: Albuquerque
State: Zip Code: NM 87532	State: Zip Code: NM 87109
Phone: ☐ Home ☐ Cell Phone (Work):	Phone: 505-353-9135 ☐ Home ☐ Cell Phone (Work):
E-mail (optional):	E-mail (optional): pfeltman@geo-logic.com

STATE ENGINEERS OFFICE
SANTA FE, NEW MEXICO
2023 OCT 16 PM 1:01

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 11/17/16

File No.: RG-85756-POD181 thru POD188	Trn. No.:	Receipt No.: 6-50462
Trans Description (optional):		
Sub-Basin: NRG	PCW/LOG Due Date:	

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: ☐ Include a description of any proposed pump test, if applicable.	**Pollution Control and/or Recovery:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge.	**Construction De-Watering:** ☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	**Mine De-Watering:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring: ■ Include the reason for the monitoring well, and, ■ The duration of the planned monitoring.	☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Patrice Feltman, Daniel B. Stephens & Associates, on behalf of D&D Mountain Air Cleaners
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 9 day of November 20 23, for the State Engineer.

Mike A. Hamman, PE, State Engineer

By: Signature — Joey Nerstad — Print

Title: Water Resources Professional — Print

RECEIVED 10:11 OCT 30 2023 WATER RIGHTS DIVISION SANTA FE, NEW MEXICO

FOR OSE INTERNAL USE — Application for Permit, Form WR-07

File No.: RG-85756-POD181 thru POD188 — Trn No.:

NEW MEXICO OFFICE OF THE STATE ENGINEER

ATTACHMENT 1
POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a: ☐ Move-From Point of Diversion(s) ☐ Move-To Point of Diversion(s)	**b. Information on Attachment(s):** Number of points of diversion involved in the application: 8 Total number of pages attached to the application: 1

☐ **Surface Point of Diversion** **OR** ☒ **Well**

Name of ditch, acequia, or spring:	
Stream or water course:	
Tributary of:	

c. Location (Required):
Required: Move to POD location coordinate must be either New Mexico State Plane (NAD 83), UTM (NAD 83), **or** Lat/Long (WGS84)

NM State Plane (NAD83) (feet) NM West Zone ☐ NM Central Zone ☐ NM East Zone ☐	UTM (NAD83) (meters) Zone 13N ☐ Zone 12N ☐	☒ Lat/Long–(WGS84) 1/10th of second	OTHER (allowable only for move-from descriptions - see application form for format) ☐ PLSS (quarters, section, township, range) ☐ Hydrographic Survey, Map & Tract ☐ Lot, Block & Subdivision ☐ Grant
POD Number: TMW-6	X or Longitude 106° 4'36.91"W	Y or Latitude 35°59'21.05"N	Other Location Description:
POD Number: TMW-7	X or Longitude 106° 4'39.41"W	Y or Latitude 35°59'20.94"N	Other Location Description:
POD Number: TMW-8	X or Longitude 106° 4'41.57"W	Y or Latitude 35°59'20.90"N	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:
POD Number:	X or Longitude	Y or Latitude	Other Location Description:

FOR OSE INTERNAL USE

Form wr-08
POD DESCRIPTIONS - ATTACHMENT 1

File Number: RG-85756 - POD181 thru POD188	Trn Number:
Trans Description (optional):	

Via Electronic Mail

April 3, 2023

Dina Quintana
Richard Beaudoin
D&D Mountain Air Cleaners
309 South Paseo de Onate
Española, New Mexico 87532
mtnair@mtnair.biz

RE: Conditional Work Plan Approval for Additional Site Investigation, D&D Mountain Air Cleaners, 309 South Paseo de Onate, Española, New Mexico

Dear Dina Quintana and Richard Beaudoin,

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) is in receipt of the document titled *Work Plan for Additional Site Investigation,* (Work Plan) dated January 6, 2023, for the property located at the address captioned above (Site). Daniel B. Stephens & Associates, Inc. (DBS&A) submitted the Work Plan on behalf of D&D Mountain Air Cleaners (D&D) in response to NMED correspondence dated November 21, 2022 requiring additional Site characterization to support the conditionally-approved Stage 1 Abatement Plan (S1AP) and Section 4110 of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC).

The Work Plan proposes the following activities to further characterize Site chlorinated volatile organic compounds (CVOCs):

- Installation of 10 Waterloo Membrane Samplers™ at pre-determined locations in the vicinity of the Site, with laboratory analysis using modified EPA Method TO-17.
- Installation of a minimum of seven temporary groundwater monitoring points using direct-push drilling methods at pre-determined locations in the vicinity of the Site.
- Field screening of groundwater at the temporary monitoring locations using a FROG-5000 portable gas chromatograph and sample collection for laboratory analysis by EPA Method 8260B.
- Installation of additional temporary groundwater monitoring points based on the results of the field screening, and sample collection for laboratory analysis by EPA Method 8260B.
- Advancement of two soil borings and the installation of two permanent monitoring wells (MWs) using hollow stem auger, with the locations selected based on the results of the groundwater quality screening and sampling event described above.
- Screening of soil samples using a photoionization detector and the submittal of selected soil samples for laboratory analysis by EPA Method 8260B.

D&D Mountain Air Cleaners
April 3, 2023

Kathryn Becker, NMED Tribal Liaison
Christal Weatherly, NMED-OGC
Karen Menetrey, Program Manager, GWQB-ROS
Jason Raucci, DBS&A, jraucci@geo-logic.com
Patrice Feltman, DBS&A, pfeltman@geo-logic.com
Boot Pierce, Glorieta Geoscience, Inc. boot@glorietageo.com
Nadine Padilla, UNM School of Law, npadilla@law.unm.edu
Mara Yarbrough, mara.yarbrough@gmail.com
Anthony McGlown, GWQB-SOS
Joshua Faulconer, GWQB-SOS
Paul Chamberlain, GWQB-SCP
ROS Reading File



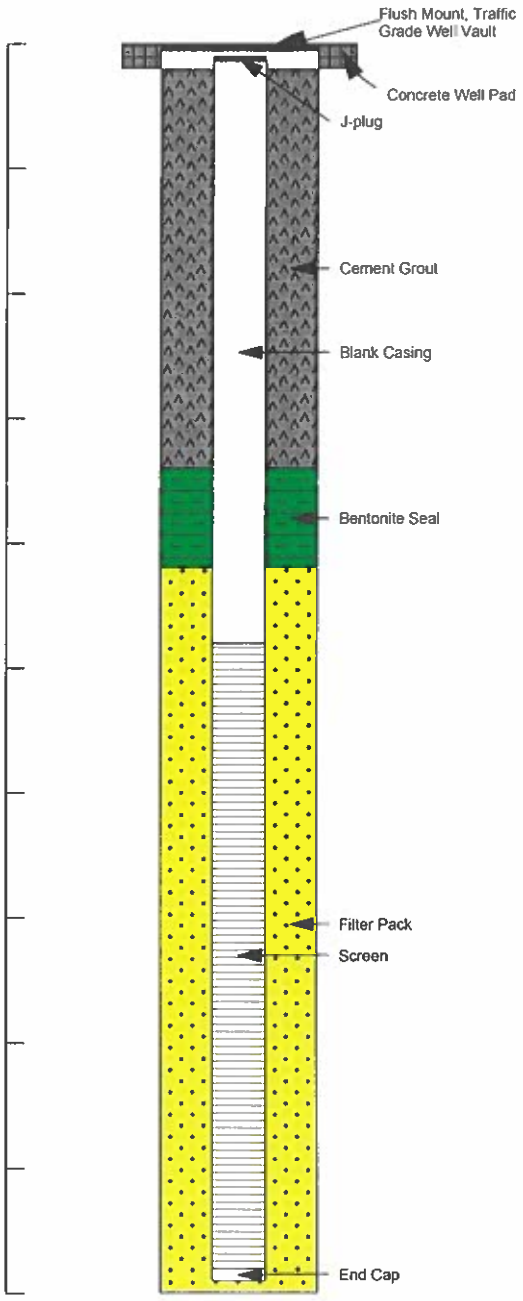
S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXD\SSITE_MAP_MOUNTAIN_AIR_CLEANERS_2022PROPOSAL.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
12/20/2022
DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Site Map

Figure 2

Typical Monitoring Well Design



Depths to be determined by onsite personnel

Well Information - Well Installation

Well	Well Diameter	Total Depth	Longitude	Latitude
TMW-1	2"	20	106° 4'37.45"W	35°59'29.21"N
TMW-2	2"	20	106° 4'39.54"W	35°59'29.24"N
TMW-3	2"	20	106° 4'36.80"W	35°59'25.65"N
TMW-4	2"	20	106° 4'38.71"W	35°59'25.86"N
TMW-5	2"	20	106° 4'40.34"W	35°59'25.98"N
TMW-6	2"	20	106° 4'36.91"W	35°59'21.05"N
TMW-7	2"	20	106° 4'39.41"W	35°59'20.94"N
TMW-8	2"	20	106° 4'41.57"W	35°59'20.90"N

DBS&A
a Geo-Logic Company

January 6, 2023

Mr. Paul Chamberlain
New Mexico Environment Department
Ground Water Quality Bureau
Harold Runnels Building
1190 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Work Plan for Additional Site Investigation
D&D Mountain Air Cleaners, 309 South Paseo de Oñate, Española, New Mexico

Dear Mr. Chamberlain:

On behalf of D&D Mountain Air Cleaners, Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to provide the following work plan for the Mountain Air Cleaners facility in Española, New Mexico. This work plan is based on our current knowledge of the site conditions and history, and summarized proposed additional site assessment activities in accordance with 20.6.2.4106 NMAC and e-mail correspondence received from NMED on November 21, 2022.

Please contact Thomas Hnasko at (505) 930-5720 if you have any questions or need additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Jason Raucci, P.G.
Project Manager

Patrice B. Feltman, P.G.
Geologist

JR/rpf
Attachment
cc: Dina Quintana and Richard J. Beaudoin, D&D Mountain Air Cleaners
Thomas M. Hnasko, Esq., Hinkle Shanor, LLP

DBS&A
a Geo-Logic Company

Work Plan for Additional Site Investigation
D&D Mountain Air Cleaners
309 South Paseo de Oñate, Española, New Mexico

1. Introduction

Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this work plan for additional site investigation at the D&D Mountain Air Cleaners dry cleaning facility (the site), located at 309 South Paseo de Oñate in Española, New Mexico (Figure 1). This work plan outlines the proposed investigation strategy, with the primary objective of determining the presence of potential off-site sources of tetrachloroethene (PCE) that may impact the site and further define the west side of the Calle Chavez plume area. This work plan is based on our current knowledge of the site conditions and history.

2. Site Background

The following summary of site background information is based on materials provided by D&D Mountain Air Cleaners and the New Mexico Environment Department (NMED) detailing the site history and findings of previous characterization efforts.

2.1 Site Description

The site consists of a 0.89-acre parcel occupied by an approximately 6,000 square-foot (ft^2) structure. The parcel is bounded on the south by Paseo de Oñate. Surrounding property usage is currently mixed commercial and residential in nature. The facility is attached to a commercial building immediately to the east. The parcel west of the site is a parking area for the business to the west and is unpaved. The parcel north of the site is a private residence. The parcel to the south is a retail building currently occupied by South West Metal Products and Española Community Market Natural Food Co-op. The southern portion of the site is partially paved with asphalt, and the northern portion of the site is unpaved. A site map is provided in Figure 2.

2.2 Site History

Information provided by D&D Mountain Air Cleaners indicates that the facility has been used as a dry cleaner since early 2003. Use of PCE in the cleaning process was discontinued in approximately 2012. The on-site structure remains in use as a dry cleaning facility.

NMED, in cooperation with the U.S. Environmental Protection Agency (EPA), has been conducting remedial actions at the North Railroad Avenue Plume (NRAP) Superfund Site in Española, New Mexico since 2005. Based on soil gas and groundwater sampling data, NMED and EPA have recently proposed a second plume located to the east of the NRAP Superfund plume (NMED, 2019; EA, 2018). This proposed separate plume has been termed the "Calle Chavez Groundwater Plume" (NMED, pers. communication). NMED has identified the D&D Mountain Air Cleaners facility as a potential source of the proposed Calle Chavez Groundwater Plume.

In December 2021 through March 2022, DBS&A conducted a site characterization investigation at the site. Passive soil gas sampling results suggested a primary PCE source located to the west of the Mountain Air Cleaners facility, near the property boundary (DBS&A, 2022).

2.3 Physical Setting and Hydrogeology

According to the U.S. Geological Survey (USGS) 7.5-Minute Topographic Map Series Española Quadrangle, New Mexico, the site is located in Section 3, Township 20 North, Range 8 East at an elevation of approximately 5,600 feet above mean sea level (feet msl) (USGS, 2020). Regional topography slopes generally to the east in the site vicinity. The Rio Grande is the principal surface drainage in the vicinity, which is located approximately 900 feet east of the site. The site itself is predominantly flat.

Based on the regional geologic map of the Española 7.5-minute quadrangle, Rio Arriba and Santa Fe Counties, New Mexico (Koning, 2002), the site is underlain by unconsolidated quaternary alluvial deposits. The alluvial deposits consist of sediments of local origin, dominated by gravel, sand, silt, and clay. Soil samples collected during installation of PASMW-1, located immediately south of the site for the NRAP Superfund site, indicate that the subsurface lithology is characterized by silty sand, gravel with sand, and silt to a depth of 25 feet below ground surface (bgs), with a clay layer at approximately 8 feet bgs (Intera, 2019). Groundwater beneath the site is encountered at approximately 10 feet bgs and flows generally to the south, with a relatively gentle gradient of approximately 0.002 foot per foot. (Intera, 2019; DBS&A, 2022).

2.4 Contaminants of Concern

The contaminants of concern (COCs) are determined based on the site history and the results of investigations related to the NRAP Superfund site. Based on these findings, COCs associated with the site include the following:

- *Chlorinated solvents*: PCE has been historically detected in wells south of the site at concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) standard, and continues to be present in groundwater samples collected as part of the NRAP Superfund site monitoring. PCE degradation products trichloroethene (TCE), cis-1,2-dichloroethene (DCE), trans-1,2-DCE, and vinyl chloride are also considered potential COCs.

3. Proposed Investigation

The scope of work for this field investigation includes the following:

- Preparing this proposal and work plan for additional site investigation
- Preparing site-specific documents including a sampling and analysis plan (SAP) amendment and updated health and safety plan (HASP)
- Conducting a subsurface field investigation, including acquisition of data followed by data review and validation as described in the approved SAP
- Preparing a summary report that outlines the results of the field investigation, in accordance with 20.6.2.4106 NMAC

3.1 Work Plan Preparation

DBS&A has prepared and submitted this proposal and work plan on behalf of D&D Mountain Air Cleaners at the request of NMED, using information pertaining to the site history and conditions provided by D&D Mountain Air Cleaners and NMED. The work plan is consistent with current NMED guidance and previous agency directives regarding site activities. This work plan includes a description of the project objectives pursuant to the applicable regulations (20.6.2.4106 NMAC), proposed project tasks, project reporting and documentation, and a project schedule.

3.2 Site-Specific Documents

Prior to initiation of the field program, an amended SAP will be prepared that will address all field activities to be conducted by DBS&A, in compliance with NMED and EPA guidance. The amended SAP will be a combined field sampling plan (FSP) and quality assurance project plan (QAPP) following NMED guidelines, and will include project-specific data quality objectives (DQOs) to ensure that the collected data and the applied analytical methods are appropriate and adequate to address the project performance standards.

DBS&A will update the HASP in accordance with 29 CFR 1910.120; it will include a discussion of the tasks to be performed, likely hazards to be encountered, mitigation measures, and appropriate personal protective equipment to be used. Information regarding key contacts will also be included.

3.3 Field Investigation and Data Acquisition

Subsequent to receipt of comments on the amended SAP and after receiving final approval, DBS&A will perform field investigation activities to collect environmental data in accordance with the SAP. The anticipated activities to be conducted under this task consist of collecting and analyzing soil vapor and groundwater samples as described in the following subsections. Prior to mobilization to the site for the field investigation activities, DBS&A will obtain access agreements with affected landowners and the City of Española. It is assumed that access will be granted for installation of passive soil gas (PSG) samplers and temporary and permanent monitor wells. In the event that access is not granted, alternative PSG sampling locations may be proposed.

3.3.1 Passive Soil Gas

In order to characterize the extent and distribution of PCE in shallow soil vapor at properties near west and southwest of the site, DBS&A proposes to collect PSG samples from 10 predetermined locations as shown in Figure 2. The results of the PSG investigation will also be used to guide and refine sampling locations for subsequent phases of the investigation.

The proposed PSG sample locations are shown on Figure 2. DBS&A proposes to deploy Waterloo Membrane Samplers™, constant-uptake samplers capable of delivering quantitative results for concentrations of volatile organic compounds (VOCs) in soil gas. For the purposes of planning, it is assumed that 12 PSG samples (10 sample locations, plus appropriate duplicate and blank samples as specified in the approved project SAP) will be submitted for VOC analysis

using modified EPA method TO-17. PSG samplers will be prepared, deployed, and recovered in accordance with procedures presented in the project SAP and the manufacturer's guidance.

3.3.2 Groundwater Quality Screening

DBS&A proposes to install temporary monitor wells to collect a minimum of 7 groundwater samples by using a direct-push drilling rig equipped with a Geoprobe Systems Screen Point 16 (SP16) groundwater sampling system. The SP16 system consists of a screened section covered by a screen sheath which is retracted at the desired sampling depth. The screen sheath forms a mechanical annular seal above the screened interval. The SP16 groundwater sampler will be driven to approximately 3 feet below the static water level in the locations shown on Figure 2 to obtain groundwater grab samples from the shallow aquifer for field screening. Upon reaching the specified depth, the sheath will be retracted to expose the screen. The temporary wells will then be sampled using disposable, one-time use teflon tubing and a peristaltic pump using the "soda straw" method as described in SESDPROC-301-R4 (U.S EPA, 2017). The screening samples will be analyzed in the field for the site COCs using a FROG-5000 portable gas chromatograph. Depending on the results of the field analysis, screening locations may be added to better refine the shape and extent of the dissolved-phase contaminant plume. The SP16 system will be decontaminated between each location using a solution of deionized water and Liquinox (or equivalent) soap.

Laboratory confirmation samples will be also be collected from each temporary well location. A minimum of 7 primary confirmation samples, as well as the appropriate field duplicate and blank samples, will be submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for laboratory analysis for analysis for VOCs using EPA method 8260B. HEAL will perform all chemical analysis of the samples following their corporate quality assurance program. Sample preparation, sample submittal and quality control procedures will be conducted in accordance with the project SAP.

Prior to drilling DBS&A will obtain the necessary utility clearances and well permits from the New Mexico Office of the State Engineer (NMOSE). DBS&A technical staff will supervise all field activities. Property owners and occupants will be notified at least one week in advance of the start of drilling activities.

The groundwater screening locations will be plugged and abandoned immediately following sample collection pursuant to NMOSE guidelines and the approved Well Plugging Plan of Operations submitted with the NMOSE permits.

3.3.3 Monitor Well Installation

Based on the results of the groundwater quality screening and confirmation sampling, DBS&A proposes to install permanent monitor wells at two of the field screening locations in order to better monitor the dissolved-phase plume. The monitor wells will be designated MAMW-3 and MAMW-4. The permanent monitor well locations will be determined based on the results of the groundwater quality screening.

Prior to drilling DBS&A will obtain the necessary utility clearances and well permits from the NMOSE. DBS&A technical staff will maintain detailed logs of materials encountered during drilling and supervise all field activities. Property owners and occupants will be notified at least one week in advance of the start of drilling activities. Well drilling and installation activities are summarized in the following sections.

3.3.3.1 Drilling and Field Screening

Boreholes will be advanced using the hollow-stem auger drilling method to a total depth of approximately 20 feet bgs. The depth to water at the site is estimated to be approximately 10 feet bgs based on recent groundwater sampling in in wells associated with the site and the NRAP Superfund site. Target borehole depth will be approximately 10 feet below the current water table, as indicated by saturation of drill cuttings and measurement of water levels in the borehole during drilling. The final depth of the boring will be determined by the DBS&A field geologist based on the depth to groundwater observed in the borehole.

During drilling of new wells, samples will be collected from the soil borings at 2-foot intervals using a decontaminated continuous core barrel or split-spoon sampler. Three subsamples will be collected immediately from each interval; one will be used for field screening, one for potential submittal to an analytical laboratory, and one for geologic description. Field screening will be conducted using a photoionization detector (PID) and the heated headspace method. The sample yielding the highest PID reading from each borehole will be submitted to HEAL for analysis of VOCs using EPA method 8260B in accordance with the approved SAP. HEAL will perform all chemical analysis of the samples following their corporate quality assurance program. Sample preparation, sample submittal and quality control procedures will be conducted in accordance with the project SAP.

3.3.3.2 Well Installation

All wells will be constructed of 2-inch-diameter, schedule 40 (SCH 40) polyvinyl chloride (PVC) materials. Well screens will typically consist of 15 feet of flush-threaded, machine-cut,

0.020-inch-slot well screen. Target well screen placement will be approximately 5 feet above and 10 feet below the static water table.

A filter pack consisting of 10/20 silica sand will be installed in the well annulus from the bottom of the soil boring to about 1 foot above the top of the well screen. A minimum 1-foot-thick activated bentonite chip seal will then be installed on top of the filter pack. The remaining annulus will be filled with a bentonite-cement grout. New well installations will be completed at the surface with a locking cap within an 8-inch-diameter, flush-mount, traffic-grade well vault. A 2-foot by 2-foot by 6-inch-thick high early strength concrete pad will be poured around the well vault.

After completion, each of the wells will be developed by pumping or bailing, until temperature, pH, and conductivity have stabilized and turbidity has been reduced to the extent practicable. Groundwater removed from the wells during development will be handled with other investigation-derived waste (IDW), as described below.

3.3.3.3 *Survey*

All newly installed wells will be surveyed to a common datum consistent with the existing wells in the vicinity by a New Mexico Licensed Professional Land Surveyor. Ground surface elevations at each location will also be included in the well survey.

3.3.3.4 *IDW Management*

Soil cuttings and fluids generated during drilling of boreholes and well development will be containerized in New Mexico Department of Transportation (NMDOT) approved 55-gallon steel drums, properly labeled, and staged in a designated area on-site. After completion of the drilling, waste materials will be characterized and all drums will be removed and transported to a licensed facility by a subcontractor for proper disposal.

3.3.3.5 *Groundwater Monitoring*

Fluid levels will be gauged in the new monitor wells using a properly decontaminated water level indicator, pursuant to the approved SAP. Groundwater samples will be collected from the monitor wells associated with the site (MAMW-1 through MAMW-4) and monitor wells associated with the NRAP Superfund Site (BC-5, BC-6, EX-13, PASMW-1, PASMW-2, PASMW-3, R-12_S1, and R-16) shown on Figures 2 and 3. The required quality control samples will also be collected as detailed in the project SAP.

The monitor wells will be purged according to low-flow methodology using a decontaminated downhole submersible pump with a variable-frequency drive. Field parameters, including specific conductivity, pH, and temperature, will be measured during purging. Wells will be purged and sampled in accordance with procedures and protocols for low-flow sampling presented in the approved project SAP and DBS&A standard operating procedures. Fluids generated during groundwater sampling will be containerized at the wellhead and removed to 55-gallon drums for characterization and disposal with the drill cuttings.

HEAL will perform all chemical analysis of the groundwater samples following their corporate quality assurance program. The groundwater samples collected from the monitor wells will be analyzed for VOCs using EPA method 8260B, consistent with the known COCs at the site. Samples will be accompanied by full chain of custody documentation at all times. Quality control requirements will be implemented to verify that the analytical data meet the quality assurance objectives specified in the project SAP.

3.4 Data Review and Reporting

3.4.1 Data Review and Validation

DBS&A will review, verify, and validate field and laboratory data, which will be sufficient to meet the DQOs and measurement quality objectives for the project. The specific data validation responsibilities and procedures will be included in the amended SAP under Task 3.2.

3.4.2 Reporting

Upon receipt of the analytical data, DBS&A will prepare a report that presents results and summarizes the findings of the site characterization activities described in this work plan. Included in the summary report will be a narrative description of the site investigation, field logs, site maps, laboratory analytical reports, summary of field quality control procedures and data, and discussion of any discrepancies or data quality issues. Available site analytical data will be summarized in tables and figures, as applicable.

4. Schedule

DBS&A and D&D Mountain Air Cleaners recognize that the NMED is interested in completing this investigation in a timely fashion. Mountain Air and DBS&A will adhere to the following submittal schedule:

- Upon acceptance of this proposal and work plan by NMED, DBS&A will submit the amended SAP (combined FSP and QAPP) and other site-specific documents to NMED within 30 calendar days for review. After receipt of NMED's comments to the draft documents, a final amended SAP will be submitted within 14 calendar days.
- Following NMED approval of the final amended SAP, DBS&A anticipates that the field program can be initiated within 60 calendar days, pending subcontractor availability, landowner access negotiations, and OSE permit approval.
- A draft report in accordance with the specifications outlined above will be completed within 30 calendar days of receipt of final and complete analytical results and submitted to NMED for review. After receipt of NMED's final comments to the draft report and planning documents, the final report and planning documents will be submitted within 15 working days.

References

Daniel B. Stephens & Associates, Inc. (DBS&A). 2022. *Stage 1 abatement plan site investigation report, D&D Mountain Air Cleaners, 309 South Paseo de Oñate, Española, New Mexico.* Prepared for the New Mexico Environment Department Ground Water Quality Bureau. July 27, 2022.

EA Engineering, Science, and Technology, Inc. (EA). 2018. *Data evaluation technical memorandum, North Railroad Avenue Plume Site remedial investigation, Española, Rio Arriba County, New Mexico EPA Identification No. NMD986670156.* Prepared for U.S. Environmental Protection Agency Region 6. March 2018.

Intera. 2019. *Additional investigation of deep zone, North Railroad Avenue Plume Superfund Site, Española, Rio Arriba County, New Mexico.* Prepared for the New Mexico Environment Department Ground Water Quality Bureau Superfund Oversight Section. August 22, 2019.

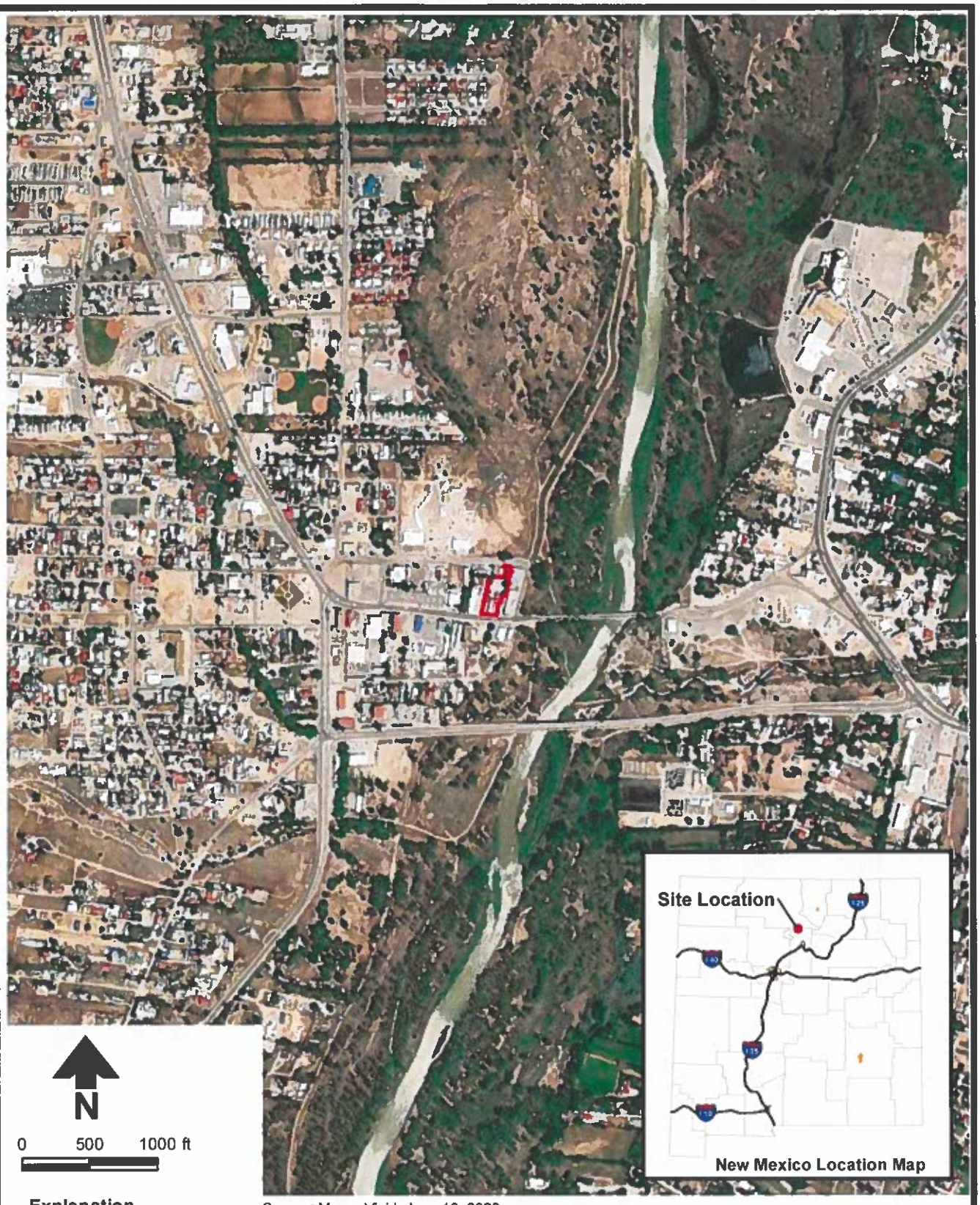
Koning, D.J. 2002. *Geologic map of the Española quadrangle, Rio Arriba and Santa Fe Counties, New Mexico.* New Mexico Bureau of Geology and Mineral Resources. May 2002.

New Mexico Environment Department (NMED). 2019. *North Railroad Avenue Plume Superfund Site, Española, New Mexico, EPA ID # NMD986670156, 2017-2019 long-term response action report.* Prepared for EPA. December 2019.

U.S. Geological Survey (USGS). 2020. *Española Quadrangle, New Mexico, 7.5-minute series, Española, NM.* January 1, 2020.

Figures

DBS&A
a Geo-Logic Company



Source: Maxar Vivid, June 10, 2020

S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXDS\PORT-A_ANSI_TEMPLATE_2016.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
5/11/2021
DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Area Map

Figure 1



Source: Google Earth Pro, March 2, 2021

S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXDS\SITE_MAP_MOUNTAIN_AIR_CLEANERS_2022PROPOSAL.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
12/20/2022 DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Site Map

Figure 2



Source: Google Earth Pro, March 2, 2021

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

Vicinity Map with Off-Site Monitoring Locations

DBS&A
Daniel B. Stephens & Associates, Inc.
12/8/2022 DB21.1167

Figure 3

S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXDS\VICINITY_MAP_MOUNTAIN_AIR_CLEANERS.MXD

DBS&A
a Geo-Logic Company

October 20, 2023

City of Española
Planning & Land Use Department
409 North Paseo de Oñate
Española, New Mexico 87532

Re: Pavement/Curb Cut Permit Application

Please find the enclosed Pavement/Curb Cut Permit Application and a check for the appropriate permit fee. Daniel B. Stephens & Associates, Inc. (DBS&A) has been contracted by D&D Mountain Air under supervision of the New Mexico Environment Department (NMED) to drill up to eight temporary groundwater monitoring wells, two of which will be completed as permanent wells, to investigate the horizontal and vertical extent of the Calle Chavez tetrachloroethylene (PCE) plume in Española, New Mexico. Five of the wells are planned in the City of Espanola right-of-way along both Hunter Street and Calle Chavez as shown in the enclosed map (marked with yellow boxes). DBS&A will be analyzing water samples in the field to determine which of the temporary wells should be completed as permanent wells.

DBS&A is hoping that a timely response is possible due to drilling and contract schedules.

Please call me at (505) 822-9135 should you have any questions or need additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Patrice N. Feltman

Patrice N. Feltman, P.G.
Geologist

Enclosures

6020 Academy Road NE, Suite 100
Albuquerque, New Mexico 87109

(505) 822-9400
www.dbstephens.com

CITY OF ESPAÑOLA

Planning & Land Use Department
409 N. Paseo de Oñate, Española, NM 87532

Receipt #: 5700 7150
Date: DEC 25, 2023
Fee: 100
Rec'd By:

PAVEMENT/ CURB CUT PERMIT APPLICATION

☐ $100.00 Pavement Cut Fee ☐ $10.00-Cost/Sq. Ft.

PROPERTY INFORMATION

Location: See attached map
Building Number *Suite* *Street Name*

Property Owner: City of Espanola
First Name *Last Name*

Mailing Address:
Mailing Address *City* *State* *ZIP*

Contact Information:
Home/Work Phone *Email*

PROPERTY INFORMATION (office use only)

UPC#: 1

County: ☐ *Rio Arriba* ☐ *Santa Fe* ☐ *Commercial* ☐ *Residential*

Applicant Name: Daniel B. Stephens & Assc. c/o Patrice Feltman
First Name *Last Name*

Mailing Address: 6020 Academy Rd NE Albuquerque 87109
Mailing Address *City* *ZIP*

Contact Information: 505-353-9135 pfeltman@geo-logic.com
Home/Work Phone *Email*

REQUIRED SUBMITTAL CHECKLIST

☐ **PROOF OF OWNERSHIP** ☐ **FINAL INSPECTION** ☐ **CONTRACTOR'S LICENSE (commercial only)**
☐ **DUMP STATION RECEIPT** ☐ **C.I.D. PERMIT (commercial only)** ☐ **NMED APPROVAL (commercial only)**

I hereby certify that the information provided and the documents submitted are true and correct to the best of my knowledge and that by submitting the request, I am doing so with the knowledge and consent of the property owner(s). I further understand that should the information provided be incomplete, inaccurate or submitted after the submittal deadline, it will result in the delay of the proposal.

Property Owner Signature *Date*

Applicant Signature *Date*

Revised 201808-db

REVIEW & APPROVAL

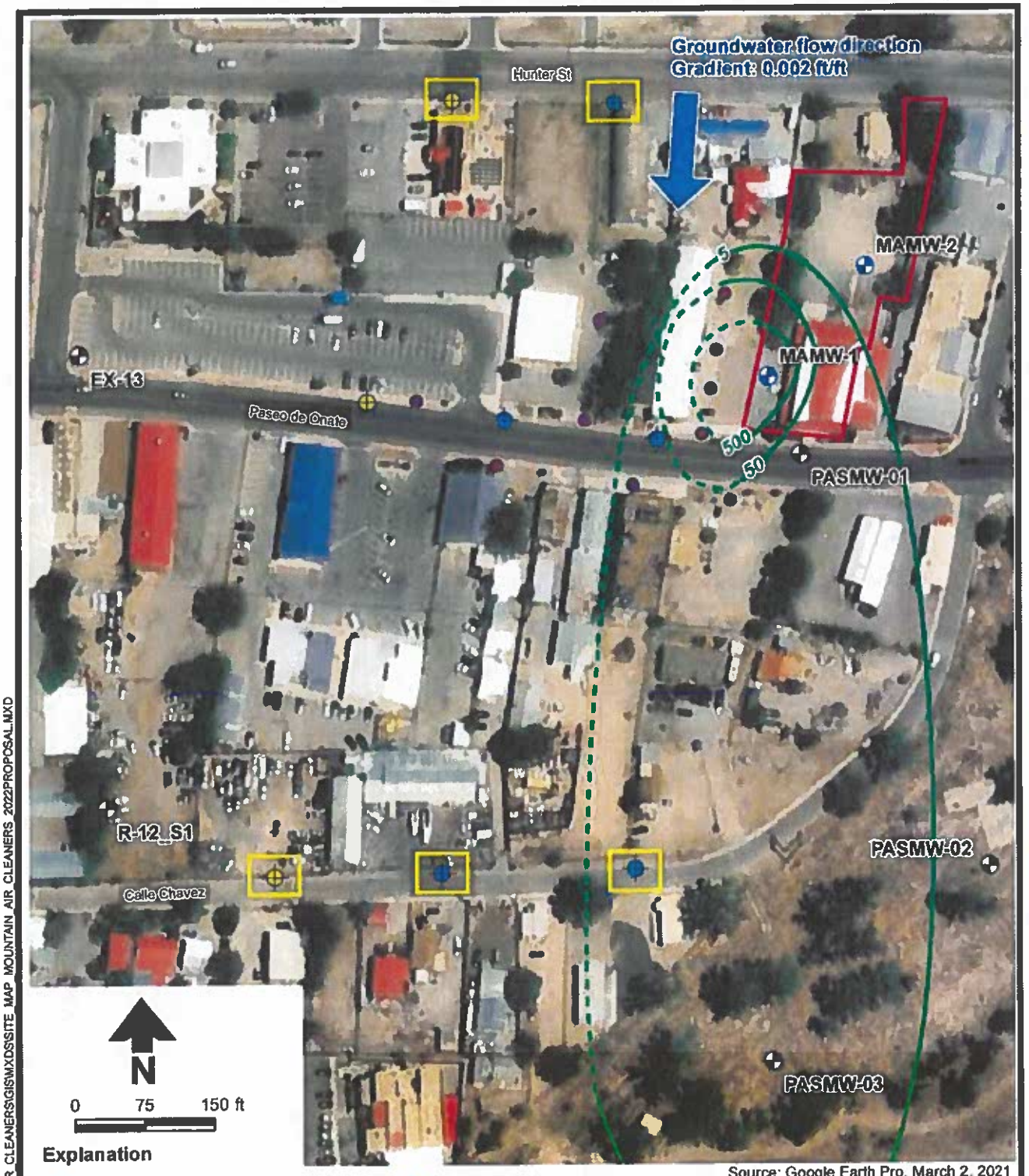
☐ *Administratively Approved* ☐ *Conditionally Approved, see below* ☐ *Denied*

Streets Supervisor — *Date* 10-24-23

Planning Director Signature — *Date* 10/24/23

Planning & Land Use STAMP Department

Revised 201808-db



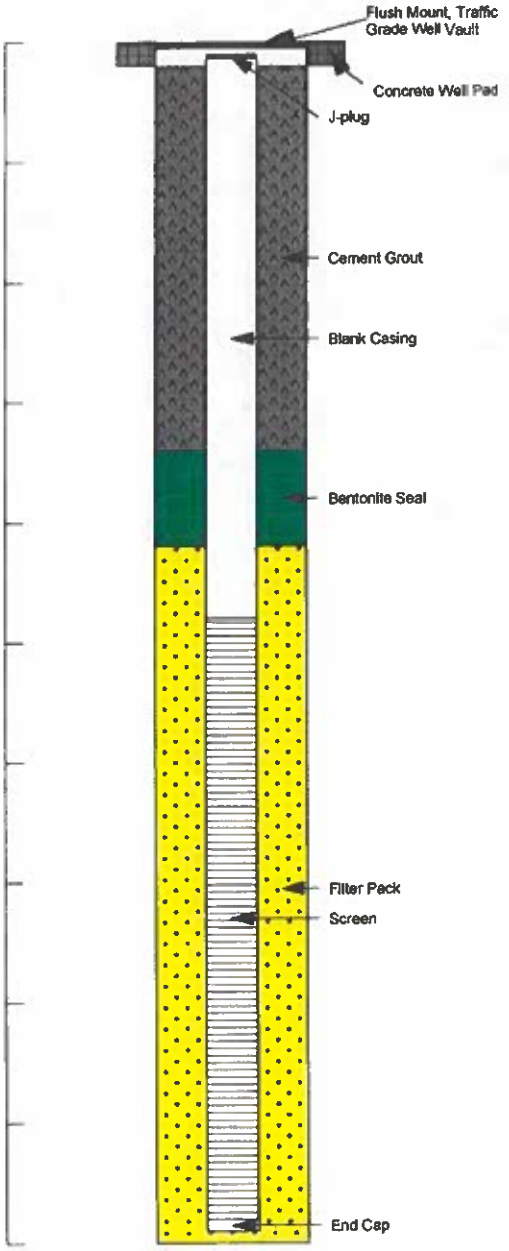
S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXD\SITE_MAP_MOUNTAIN_AIR_CLEANERS_2022PROPOSAL.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
12/20/2022 DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Site Map

Figure 2

Typical Monitoring Well Design



Depths to be determined by onsite personnel

Via Electronic Mail

April 3, 2023

Dina Quintana
Richard Beaudoin
D&D Mountain Air Cleaners
309 South Paseo de Onate
Española, New Mexico 87532
mtnair@mtnair.biz

RE: Conditional Work Plan Approval for Additional Site Investigation, D&D Mountain Air Cleaners, 309 South Paseo de Onate, Española, New Mexico

Dear Dina Quintana and Richard Beaudoin,

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) is in receipt of the document titled *Work Plan for Additional Site Investigation,* (Work Plan) dated January 6, 2023, for the property located at the address captioned above (Site). Daniel B. Stephens & Associates, Inc. (DBS&A) submitted the Work Plan on behalf of D&D Mountain Air Cleaners (D&D) in response to NMED correspondence dated November 21, 2022 requiring additional Site characterization to support the conditionally-approved Stage 1 Abatement Plan (S1AP) and Section 4110 of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC).

The Work Plan proposes the following activities to further characterize Site chlorinated volatile organic compounds (CVOCs):

- Installation of 10 Waterloo Membrane Samplers™ at pre-determined locations in the vicinity of the Site, with laboratory analysis using modified EPA Method TO-17.
- Installation of a minimum of seven temporary groundwater monitoring points using direct-push drilling methods at pre-determined locations in the vicinity of the Site.
- Field screening of groundwater at the temporary monitoring locations using a FROG-5000 portable gas chromatograph and sample collection for laboratory analysis by EPA Method 8260B.
- Installation of additional temporary groundwater monitoring points based on the results of the field screening, and sample collection for laboratory analysis by EPA Method 8260B.
- Advancement of two soil borings and the installation of two permanent monitoring wells (MWs) using hollow stem auger, with the locations selected based on the results of the groundwater quality screening and sampling event described above.
- Screening of soil samples using a photoionization detector and the submittal of selected soil samples for laboratory analysis by EPA Method 8260B.

- Containerization and disposition of all investigation derived waste.
- Surveying of the new MWs.
- Groundwater monitoring at all four MWs associated with the Site, as well as the following MWs associated with the Northern Railroad Avenue Plume Superfund site: BC-5, BC-6, EX-13, PASMW-1, PASMW-2, PASMW-3, R-12_S1, and R-16.
- Reporting to NMED.

NMED hereby approves the Work Plan contingent upon the following conditions:

- NMED approval of the locations of the two new permanent MWs prior to drilling and installation.
- Groundwater monitoring shall occur in the MW network described herein on a quarterly basis, with the submittal of quarterly reports.

Please be advised that D&D must conduct all investigation, abatement, monitoring, and reporting activities according to the terms and schedules contained in the approved S1AP, the Sampling and Analysis Plan, and this Work Plan pursuant to Section 20.6.2.4110 NMAC. D&D is also subject to 20.6.2.4107 NMAC concerning advance notice for sampling and NMED rights for entry, inspection, and sampling. NMED approval of this Proposal does not relieve D&D of its responsibility to obtain third-party access or to comply with any other applicable federal, state, and local laws and regulations, including zoning requirements and nuisance ordinances. NMED must approve, in writing, any changes to an approved S1AP prior to implementation. NMED may require additional actions if implementation of an approved S1AP fails to adequately define Site conditions or provide the data necessary to select and design an effective abatement option. If monitoring data or other information indicates the possible existence of unreasonable impacts to health, welfare, environment, or property, NMED may require modification of the abatement plan pursuant to 20.6.2.4111.B NMAC.

Please contact Paul Chamberlain at 505-670-2571, paul.chamberlain@env.nm.gov, or ros.general@env.nm.gov with any questions or comments regarding this correspondence.

Sincerely,

Justin Ball

Digitally signed by Justin Ball
Date: 2023.04.03 07:53:53 -06'00'

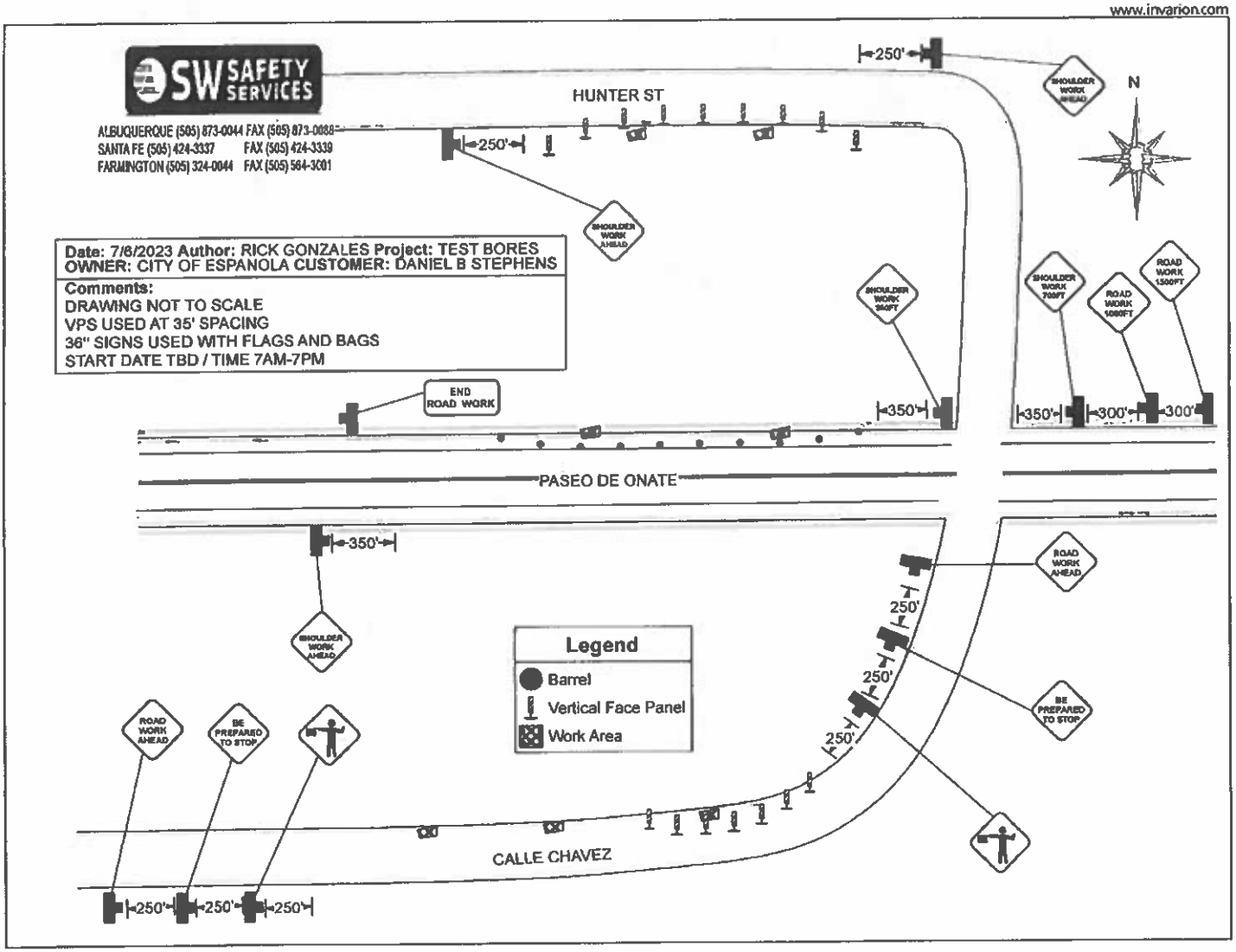
Justin Ball, Chief
Ground Water Quality Bureau

Cc: Thomas Hnasko, Hinkle Shanor LLP, THnasko@hinklelawfirm.com
Governor Michael Chavarria, governor@santaclarapueblo.org
Dino Chavarria, dinoc@santaclarapueblo.org
Mayor John Ramon Vigil, JRVigil@espanolanm.gov
City of Espanola, 405 N. Paseo de Onate, Espanola, NM 87532
Jeremy G. Maestas, Rio Arriba County Manager, jgmaestas@rio-arriba.org
Commissioner James Martinez, jmartinez@rio-arriba.org
John Rhoderick, NMED Water Protection Division Director

D&D Mountain Air Cleaners
April 3, 2023

Kathryn Becker, NMED Tribal Liaison
Christal Weatherly, NMED-OGC
Karen Menetrey, Program Manager, GWQB-ROS
Jason Raucci, DBS&A, jraucci@geo-logic.com
Patrice Feltman, DBS&A, pfeltman@geo-logic.com
Boot Pierce, Glorieta Geoscience, Inc. boot@glorietageo.com
Nadine Padilla, UNM School of Law, npadilla@law.unm.edu
Mara Yarbrough, mara.yarbrough@gmail.com
Anthony McGlown, GWQB-SOS
Joshua Faulconer, GWQB-SOS
Paul Chamberlain, GWQB-SCP
ROS Reading File

www.invarion.com



New Mexico DEPARTMENT OF TRANSPORTATION
MOBILITY FOR EVERYONE

August 10, 2023

Daniel B. Stephens & Associates
Attention: Patrice Feltman – Geo-Logic
6020 Academy Rd NE Suite 100
Albuquerque, NM 87109

SUBJECT: Authorization to Proceed
Reference: Utility Permit #2023-84
Type of Facility: New 2-2" Monitor Wells
Location: FL 5349 MP 0.51 to MP 0.54 in Rio Arriba County, NM

Dear Ms. Feltman,

This correspondence is your Authorization to Proceed with construction of your facility installation in accordance with the criteria provided to us by your company. This authorization applies only to State NMDOT Right-of-Way. If other lands are involved (Indian, Federal, State, etc.); it is your responsibility to have secured their approval of your installation as well. NMAC 17.4.2.12 H

THE SIGNED UTILITY PERMIT will be returned as soon as the required As-Built Plans and the Electronic File are received. These Items are required within thirty (30) days of the completion of the installation of your facility. NMAC 17.4.2.12 G (2)

The Utility who received Authorization to Proceed with their installation/relocation shall strictly adhere to preforming the work in accordance to the approved plans. No deviation from the plans without prior written approval from NMDOT shall be allowed. NMAC 17.4.2.12 G (7)

You are also required to contact the District Traffic Engineer/Utility Permit Agent using the enclosed construction notification form five (5) days in advance and five (5) days after completion of your project. NMAC 17.4.2.12 G (1)

Be aware that any time, maintenance is to be performed, the Utility must contact the District 5 Traffic Engineer/Utility Permit Agent for the proper forms that SHALL be submitted prior to any construction or maintenance, including emergencies. NMAC 17.4.2.12 D

Approved Traffic Control must be in place during all construction and strictly adhered to. NMAC 17.4.2.12 C

A copy of this Authorization and attached documents shall be on site at all times during construction/installation of the Utility. NMAC 17.4.2.12 I

Aerial Crossings – All vertical clearances shall conform to the National Electric Safety Code as a minimum, shall not be less than twenty feet (20'). NMAC 17.4.2.13 B

Buried Crossings – All buried crossings shall be installed at a minimum depth of 36" or more from the lowest point of the ROW surface to the top of the facility. NMAC 17.4.2.13 D

Buried Crossings – shall be in an approved conduit or duct. NMAC 17.4.2.13 D (3)

Buried Parallel - All buried facilities shall be installed at a minimum depth of 36" or more from the natural ground elevation to the top of the facility. NMAC 17.4.2.13 C

Michelle Lujan Grisham
Governor

Ricky Serna
Cabinet Secretary

Commissioners

Jennifer Sandoval
Commissioner, Vice-Chairma
District 1

Bruce Ellis
Commissioner
District 2

Hilma E. Chynoweth
Commissioner
District 3

Walter G. Adams
Commissioner, Chairman
District 4

Thomas C. Taylor
Commissioner
District 5

Charles Lundstrom
Commissioner, Secretary
District 6

In addition to the above requirements:

The Traffic Control Plan(s) and all traffic control devices used by the owner and the contractor must comply with Part 6 of the Manual on Uniform Traffic Control Devices, {MUTCD} [latest edition]. NMAC 17.4.2.12 I

The utility owner and contractor shall abide by NMDOT Standard Specifications for Highway and Bridge Construction (latest edition), NMDOT Minimum Testing Requirements and NMAC 17.4.2

Shall comply with the National Electric Safety Code.

Compaction and depth shall meet NMDOT Specifications. NMAC 17.4.2.13 C

Proper drainage shall be maintained at all times. NMAC 17.4.2.12.A.

Verify all parallel and crossing utilities/lines are clearly marked. 17.4.2.20 A

No equipment/materials shall be stored within the NMDOT Right of Way.

All unsatisfactory installation and/or construction work performed by the Utility on NMDOT Right-of-Way will be corrected and/or reconstructed upon written notification by the Department that identifies the deficiencies. NMAC 17.4.2.12

Utility work shall commence within six (6) months of the date of issuance of the Utility Permit, otherwise the Permit SHALL become invalid. Any work not started within the six (6) month period SHALL require new Permit Applications and associated documentation, as well as NMDOT approval of the new submittal before the utility work can commence. NMAC 17.4.2.12 G (10)

All Temporary Traffic Control devices shall be removed or dismantled as soon as practical or when no longer needed. Including at the end of the working day. MUTCD Section 6B.01.09

Reseed to NMDOT Specifications. Contact Environmental Department for seed mix design, procedure and approval before commencing. NMAC 17.4.2.12.E

Safety Markers – Shall be installed to the appropriate facility. NMAC 17.4.2.18 (A, B, C, D, E, F)

The Utility owner shall also be responsible for and require that any contractor or subcontractor engaged by them shall provide the Department with a certified copy of their insurance policy or Certificate of Insurance in the amounts and with the provisions as herein provided. NMAC 17.4.2.12 K (6)

Shall wear required P.P.E. in the NMDOT Right of Way.

No trench/bell hole shall be open overnight.

ALL BORES/CROSSINGS SHALL HAVE CONDUIT/SLEEVES 17.4.2.13 D (3) AND SHALL BE INDICATED ON AS-BUILT.

If you have any questions, do not hesitate to contact me at 505-690-1524. You may also reach me via e-mail at; marcos.herrera@dot.nm.gov . Your cooperation in this matter is greatly appreciated.

Sincerely,

Marcos G. Herrera
Utility Permit Agent
District 5

xc: Highway Maintenance Supervisor Nelson Terrazas (4551) File (FL 5349)

UTILITY SURVEY DATA REQUIREMENTS

The following "metadata" ("data about data") shall be submitted with each utility's as built and the electronic file, preferably as a separate text file on submittal media. This information is critical to the Department so as to properly archive the data, as well as to provide follow-up capability in the event problems arise with the data:

1. District Utility Permit Number
2. Name, address, and phone number of Certified NM Land Surveyor.
3. Date of completion of survey.
4. Equipment used to conduct the survey (e.g., total station, GPS, Sprit level).
5. Reference mark(s) used to tie the survey to State Planes Coordinate System 1983 and to the American Vertical Datum 1998.
6. Ground to Grid combine scale factor used.
7. Submit As Built in PDF form.

NOTE THAT ELEVATIONS SHALL BE PROVIDED EVERY 500' AND AT ALL BREAK POINTS, INCLUDING ALL HIGH AND LOW POINTS.

FAILURE TO COMPLY WITH THESE REGULATIONS MAY BE GROUNDS TO REVOKE THIS PERMIT OR THE ISSUANCE OF FUTURE UTILITY PERMITS. NMAC 17.4.2.12 L

The attached Traffic Control Plan is for the NMDOT portion of the project and not the City of Espanola streets.

A-0063
Revised:07/2019
Right-of-Way

NEW MEXICO DEPARTMENT OF TRANSPORTATION
APPLICATION FOR PERMIT TO INSTALL UTILITY FACILITIES WITHIN PUBLIC RIGHT OF WAY

Permit No. 2023-84

TO: NEW MEXICO DEPARTMENT OF TRANSPORTATION
P.O. Box 1149
SANTA FE, NEW MEXICO 87504-1149

_____ Renewal Permit
_____ Relocation
_____ Remain in Place
X New Installation
_____ Out of Service

1. Pursuant to New Mexico Statutes Annotated, 1978 Compilation, Sections 67-8-13 and 55-2-7, and 17.4.2 NMAC the undersigned

Patrice Feltman on behalf of Daniel B. Stephens & Associates, Inc.

Address: 6020 Academy Rd. NE, Suite 100, Albuquerque, NM 87109

herein makes application to use highway rights of way to install:

Size and Type of Facility Two 2" diameter monitor wells to a depth of 20 ft below ground surface.

in the following location: N.M. Project No. See attached map Route No. FL 5349

Highway MP/GPS MP @ 0.51 & 0.54 to Highway MP/GPS _____

Rio Arriba County, Section 3 , Township 20N , Range 8E

2. For the purpose of this application "within" shall be construed as meaning "on, upon, over, under, across or along."
   a. "Engineer" shall be construed as meaning the District Engineer of the New Mexico Department of Transportation of the District Engineer's Representative.
   b. "Applicant shall be construed as meaning the individual, firm, corporation, association, governmental subdivision, or other organization making application, or the successors of any of the above.
   c. "Facility" shall be construed as meaning, but not limited to any publicly, privately, cooperatively, municipally or governmentally owned facility used for carriage, distribution or transmission or water, gas or electricity, oil and products derived therefrom, sewage, stream or other projects carried by means of pipelines, conduits, wires, culverts, ditches, conveyors or other methods.
   d. If application is for a parallel installation, justification as to why private right may be utilized must be furnished.

3. Applicant proposes to ☐ relocate ☒ install ☐ leave facility see attached map feet within the FL 5349 right of way line. The Proposed installation shall be:

vertical	subsurface	boring
(Crossing or Parallel)	(Subsurface or Overhead)	(Boring, Jacking, or Pavemet Cuts)

   a. If applicant requests installation by pavement cut, complete justification therefore shall be submitted by attachment.
   b. Where application for pavement cut us justified, the application may be held in abeyance pending receipt of cash bond in an amount to be fixed by the Engineer.

4. There is attached hereto a diagrammatic dimensioned drawing showing the location of existing and/or proposed installation referenced to roadway and right of way, right of way lines, any access control lines, distance of proposed installation above, or below grade, highway stationing, identification of materials to be used an any other pertinent data. If application is for parallel installation, nature of adjacent land use must be shown. Proposed installations on or in bridges or other structures, or for the installation of any structures, shall require detailed structural drawings.

5. Applicant desired this permit to be in affect for 25 years. Permit shall not be issued for a period longer than 25 years, and must be renewed upon expiration. The burden of timely renewal is on the Applicant. The Applicant shall formally notify the engineer of actual commencement and completion of construction of the installation. The Applicant shall also formally notify the Engineer of removal or abandonment of the facility, or relinquishment of the permit.

4551

NEW MEXICO DEPARTMENT OF TRANSPORTATION
APPLICATION FOR PERMIT TO INSTALL UTILITY FACILITIES WITHIN PUBLIC RIGHT OF WAY

6. This application shall be validated as a permit upon the signing of the application by the Engineer and returned it to the Applicant. The granting if this permit shall not be construed as granting any easement of property right.

7. Servicing of facilities shall not be permitted within the access control lines on any controlled access project. Should an emergency occur, the Applicant shall notify the Engineer and shall provide such flagmen, flashers, warning or other safely devices as required by the Engineer. All routine maintenance shall be performed from outside any access control lines.

8. The relocation or installation of facilities within public right of way shall be in strict conformance with all **application provisions of regulations of the New Mexico Department of Transportation 17.4.2 NMAC,** all provisions of this application, drawing and the Instructions for Utility Permits, as they may be modified by the Engineer, and no departure therefrom may be made without the written consent of the Engineer. All facilities shall be so placed that they will not interfere with or endanger any roadway features or other existing facilities. All construction of facilities shall be subject to the inspection and approval of the Engineer. All such work shall be performed so that danger, inconvenience and delay to the traveling public will be held to a minimum. Protection and handling of traffic during the installation are the responsibility of the Applicant and must be approved by the Engineer.

9. The Applicant shall, except as otherwise ordered by the Engineer, restore the right of way, and all bridges or other structures thereon or adjacent thereto which have been altered or affected by facility installation performed hereunder, in accordance with sound construction practices and the Engineer's specifications, and shall cause the work to be done in a workmanlike manner, if any damage is caused to the highway right of way or to any bridge, structure or improvement thereon or adjacent thereto by reason of the design installation, maintenance alteration or removal of such facilities or other appurtenances, the Applicant shall reimburse the Engineer the full amount thereof promptly upon demand by the Engineer provided, however, that the obligation imposed under this paragraph shall not apply in the event the damage resulted from causes beyond the control of the Applicant or its contractors or its consultants. All such facilities located with the right of way shall at all times be kept in such repair so as not to damage the highway, inconvenience or endanger the traveling public and shall be kept free advertisement, posters and the like.

10. Should the Applicant at the time fail to promptly and fully perform any of the obligations imposed hereby and after thirty (30) days written notice thereof, the Engineer may, at his option (a) cause the obligations to be fully carried out and performed, and the Applicant shall promptly reimburse the Engineer for all costs and expenses incident thereto, or (b) summarily order the removal of such facility and if the Applicant fails to comply with that removal order within a reasonable time, the Engineer may direct the removal of the facility with all costs and expenses thereto to be borne by Applicant.

11. If by reason of any change in the location, construction, grade or by any other matter affecting the highway upon which any facility is located because of changing traffic conditions or otherwise, it shall become advisable in the opinion of the engineer that said facility be removed, relocated or otherwise modified, the utility, upon written notice from the engineer, shall provide all horizontal and vertical data including pothole information, size and type of material, and condition of material. If necessary the utility shall remove, relocate or modify such facility without undue delay in such manner as the engineer may direct or approve, at the utility's expense and at no cost to the engineer. All facilities located on public right-of-way under the dual jurisdiction of the state and a subordinate governmental entity shall comply with all applicable rules and regulations of such entity properly and lawfully in force and including but not limited to provisions of local franchises not in conflict with the rules and regulations of the engineer. The engineer makes no warranty, either express or implied, as to the continued existence of any highway in any particular location and expressly assumes no obligation with regard to the facility upon change, vacation or abandonment of any highway or portions thereof.

12. Neither the making of this application nor anything herein contained shall constitute a waiver on the part of the Applicant of any rights or claims had or made by some with respect to the occupancy of the streets and highways under the Constitution and Laws of the State of New Mexico, nor shall anything herein contained in any prejudice or impair any rights or claims existing independent of this application with respect to the construction, operation, and maintenance of the Applicant's facilities in the State of New Mexico.

13. The utility owner must indemnity and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility, the utility's employees, any agent acting on the utility's behalf, and anyone else engaged by the utility to work on the utility installations, maintenance or relocations of their facilities. Any contractor or subcontractor engaged by the utility to perform utility installations or relocations in conjunction with or prior to highway construction must also indemnify and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility's contractor or subcontractor.

14. Each copy of the application shall be signed by the Applicant as an individual owner or by any official designated to execute such Documents.

A-0063
Revised:07/2019
Right-of-Way

NEW MEXICO DEPARTMENT OF TRANSPORTATION
APPLICATION FOR PERMIT TO INSTALL UTILITY FACILITIES WITHIN PUBLIC RIGHT OF WAY

15. Utility owners shall carry insurance in amounts not less than those below specified and as outlined in 17.4.2 NMAC and the Standard Specifications for Highway and Bridge Construction, 2019 Edition, (hereinafter, "Specifications"), as may be updated from time to time. In the event of conflict between the specification, and the regulations, owner shall carry the largest amount of insurance. If a utility is self-insured, the utility shall provide an Owner's Protective Liability Insurance Policy, in favor of the Department, in the amounts below specified. **Department as additional named insured:** The utility, is contractor or subcontractor shall have the New Mexico Department of Transportation added as an additional named insured on the Comprehensive General Liability Form or Commercial General Liability Form furnished by the Utility.

    This application is hereby granted subject to all provisions herein and including the following special provisions, changes or amendments:

    The utility shall provide "as-built" horizontal and vertical location information in hard copy and electronic file (AutoCAD) DWG (3D). The standard horizontal datum shall be North American Datum 1983 (NAD83) and the standard projections shall be the New Mexico State Plane Coordinate System 1983 (NMSPCS83). The standard vertical datum shall be North American Vertical Datum 1988 (NAVD 1988). The utility location information shall be tied to Department monuments and referenced to highway mileposts and/or GIS coordinates and certified by a New Mexico Registered Land Surveyor. Metadata or "data about the data" shall be submitted with each utility's as-built electronic file, preferably as a separate text file on the electronic submittal media, and shall include: **1.** District Utility Permit Number. **2.** Name, address and phone number of the responsible land surveyor. **3.** Date of completion of survey. **4.** Equipment used to conduct the Survey. **5.** Horizontal and vertical control marks used to tie the survey to the NMSPC83 and NAVD88. **6.** Ground to Grid combined scale factor used. **7.** Elevations shall be provided every 500 feet and at all survey break points, including all high and low points.

Note: Highway projects are time sensitive therefore, permit information requested from Authorization to Engineer Letters must be returned by the date indicated within the Authorization to Engineer letter.

16. Any utility qualifying for reimbursement shall relocate in accordance with and pursuant to MAP-21; http://www.fhwa.dot.gov/construction/contreacts/buyam-qa.cfm and (23U.S.C313)

Applicant/Utility Owner certifies we are in compliance with Buy America for said facility and agrees and understands nonadhereence will void said permit.

Applicant: Daniel B. Stephens & Associates, Inc.

By: Patrice Feltman

Signature: *Patrice Feltman* Date: 7/13/2023

Approval of this permit is hereby given this _____ day of _____, 20 _____

NEW MEXICO DEPARTMENT OF TRANSPORTATION

By: _____

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/31/2023 | 7/5/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers,LLC CA License #0F15767 777 S. Figueroa Street, 52nd fl. Los Angeles CA 90017 213-689-0065	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED 1505980 Daniel B. Stephens & Associates, Inc. 6020 Academy NE, Ste 100 Albuquerque, NM 87109	INSURER(S) AFFORDING COVERAGE / NAIC # INSURER A : Steadfast Insurance Company 26387 INSURER B : Zurich American Insurance Company 16535 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES GEOAS02 **CERTIFICATE NUMBER:** 19709296 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR [X] X,C,U Included [X] Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [X] LOC [ ] OTHER:	Y	N	GPL0166069-06	12/31/2022	12/31/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ $2,000,000 $ $1,000,000 $ $25,000 $ $1,000,000 $ $6,000,000 $ $4,000,000 $
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY	Y	N	BAP0166068-07	12/31/2022	12/31/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ $1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y	N	SXS0166076-06	12/31/2022	12/31/2023	EACH OCCURRENCE AGGREGATE $	$ $10,000,000 $ $10,000,000 $ XXXXXXX
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N] If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	WC0166066-06	12/31/2022	12/31/2023	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $1,000,000 $ $1,000,000 $ $1,000,000
A	Env Contr Pollution	N	N	GPL0166069-06	12/31/2022	12/31/2023	Per Occurrence: $2,000,000 Policy Aggregate: $6,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Please see addendum for additional policy information. RE: DB21.1167.00.4.1. New Mexico Department of Transportation (NMDOT), District 5 are Additional Insured(s) as per the attached endorsement or policy language. Waiver of subrogation applies as per the attached endorsements or policy language, where allowed by law.

CERTIFICATE HOLDER

19709296
New Mexico Department of Transportation,
District 5
Attn: Contracts Administrator/Financial Specialist
P.O. Box 4127
Santa Fe, NM 87502

CANCELLATION See Attachments

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

No Cultural Resource Survey Required

No Environmental Survey Required

Certification valid for 2 years from date of issuance.

REVIEWED
By Gary Funkhouser at 10:16 am, Jul 05, 2023

New Mexico DEPARTMENT OF TRANSPORTATION
MOBILITY FOR EVERYONE

Environmental Clearance for Undertakings within NMDOT Right-of-Way

In order to receive environmental clearance for permitted projects in highway rights-of-way, the following information will need to be submitted to the NMDOT Environmental Design Division. Submittals (usually) are reviewed Tuesday of each week. Submittals received on Tuesday will not be reviewed until the following Tuesday. Emergency requests are handled on a case-by-case basis.

1. **Purpose** and **Nature** of undertaking. Describe the undertaking along with width, length and depth of ground disturbance. Include the methods and machinery to be used.
   A direct push rig will drill three 2" boreholes to a total depth of 13' to collect soil and groundwater samples. Six soil vapor sampling holes will be drilled with a 1" bit and hamm
2. **Is your project resulting from a NMDOT project?** If so, provide the control and/or project number.
   No, the work is for a private client under direction of the NMED Ground Water Quality Bureau
3. **Funding Source.** Is the funding private, state or federal? If state and/or federal, list agency(s).
   Privately funded
4. **Land status.** Is the project on the right-of-way owned by BLM, Forest Service, Tribal land or State Trust land? (NMDOT does not own all highway rights-of-way!)
   No
5. **Permitting agencies.** List other permitting agencies involved besides NMDOT.
   New Mexico Office of the State Engineer permits three boreholes that extend to groundwater
6. **County.** List the county or counties in which the project is located.
   Rio Arriba County
7. **Highway number.** Indicate the highway, the project will cross or parallel.
   US 84-285
8. **BOP and EOP.** Provide the milepost locations for the beginning of the project area (BOP) and the end of the project area (EOP). If highway crossing only, list the milepost location, indicate BOP and EOP on quadrangle maps as well.
   BOP: MP 189.13 , EOP: MP 189.23

9. **Side(s)** of the road. Indicate of which side of the road the project will be located using cardinal directions (north, south, east, west). List all project crossings of the highway by milepost.
   The drilling locations are located on the North and South sides of US 84-285 (Paseo de Onate)

10. **Length** of the project. Indicate the length of the project within NMDOT right-of-way in terms of feet and/or miles.
    0.1 mile

11. **Provide the legal description** of the project area: Township, Range, and Section(s).
    Sec 3, T20N, R8E

12. **USGS 1:24,000(7.5') Quadrangle map.** List the name(s) of the USGS quadrangle map(s) on which the project is located.
    Espanola Quadrangle, New Mexico, 7.5-minute series

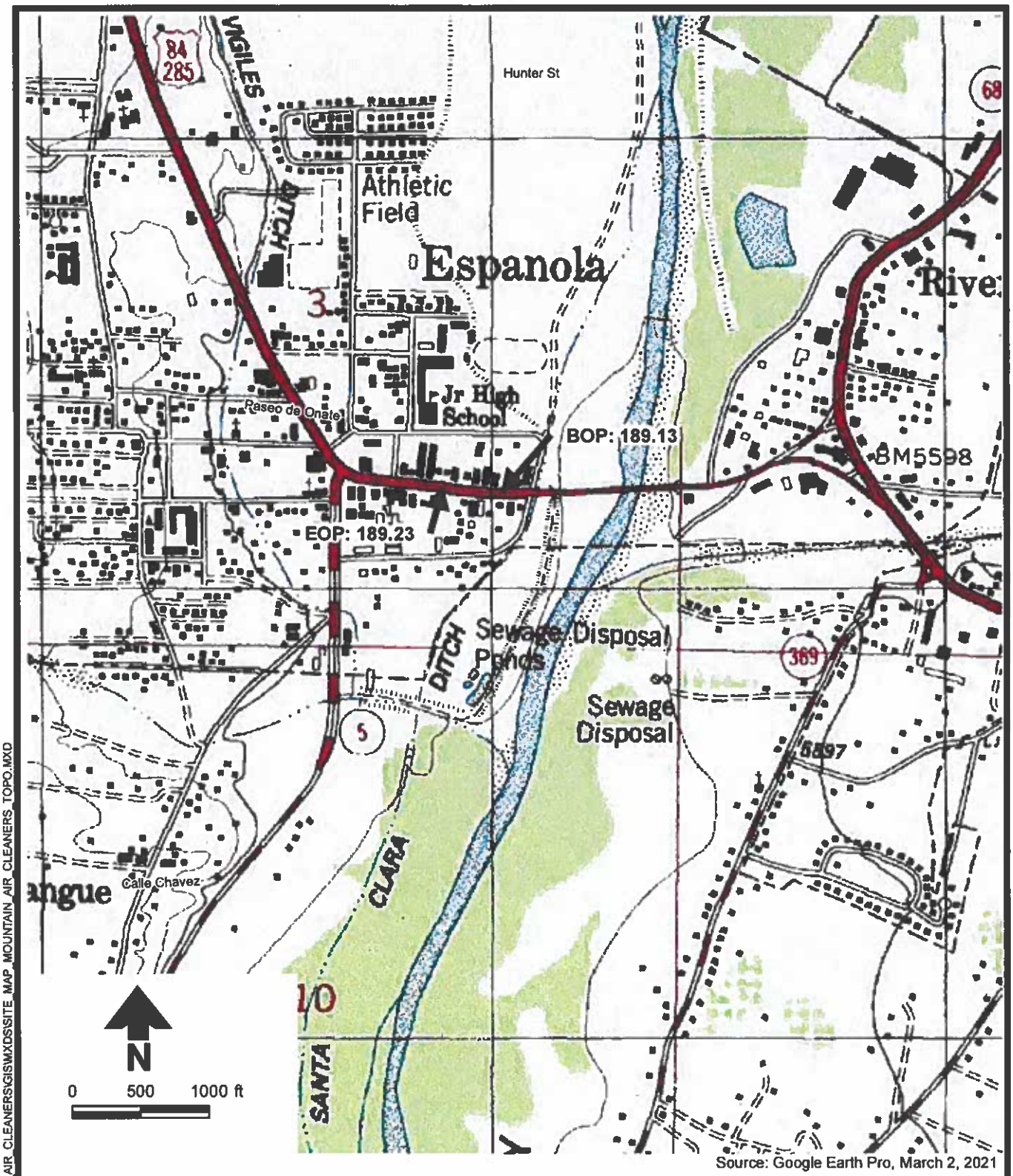
13. Include the appropriate portion of the **USGS 1:24,000 (7.5') Quadrangle map(s)** with the project area indicated by an **X** if a crossing, or **BOP** and **EOP** if linear. **Do not reduce or enlarge.** Quad map images can be printed at no charge from the website http://terraserver.usa.com/.

14. **Do not** send photos (including aerial photos or photo maps) unless they are scanned or sent via US Mail. Faxed photos come out entirely black.

15. Include your name, company (if applicable), phone #, fax # and email address (if you use one).
    Patrice Feltman, Daniel B. Stephens & Associates, 505-353-9135, pfeltman@geo-logic.com

16. Submit your requests by email, by fax **OR** by mail. Send in one format only- **DO NOT** send in multiple formats.

Send clearance requests to:
Genevieve Head, NMDOT-Environmental Design Division
1129 Cerrillos Road/P.O. Box 1149
Santa Fe, NM 87504
(for FedEx or UPS the ZIP code I 87501)
Phone: (505) 827-5356; **Fax**:(505) 827-0417; **Email:** genevieve.head@state.nm.us



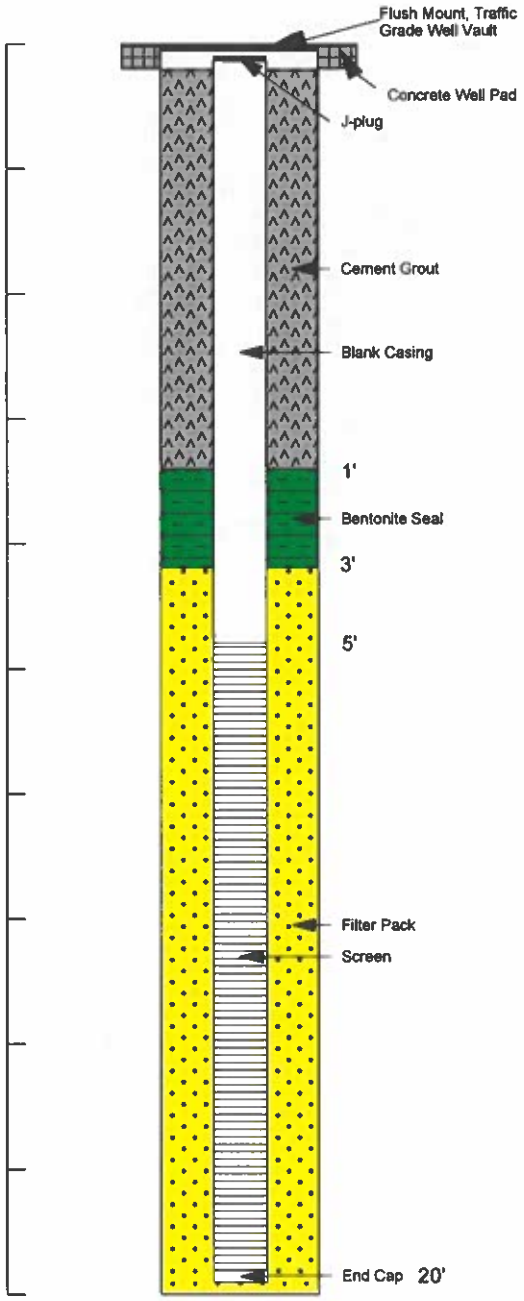
S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXD\SSITE_MAP_MOUNTAIN_AIR_CLEANERS_TOPO.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
7/5/2023 DB21.1167

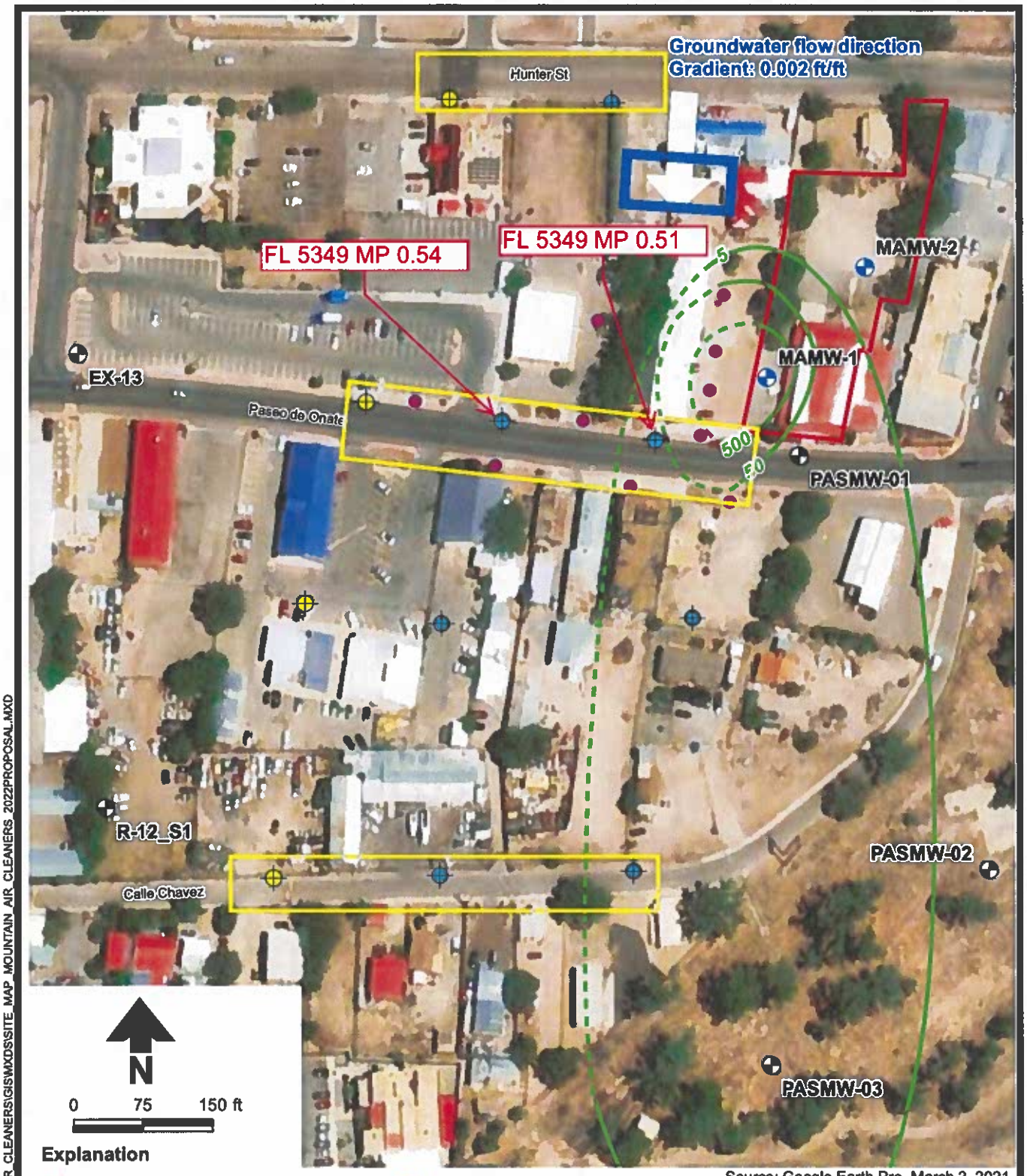
MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Topographic Map

Figure 1

Typical Monitoring Well Design



Depths to be determined by onsite personnel

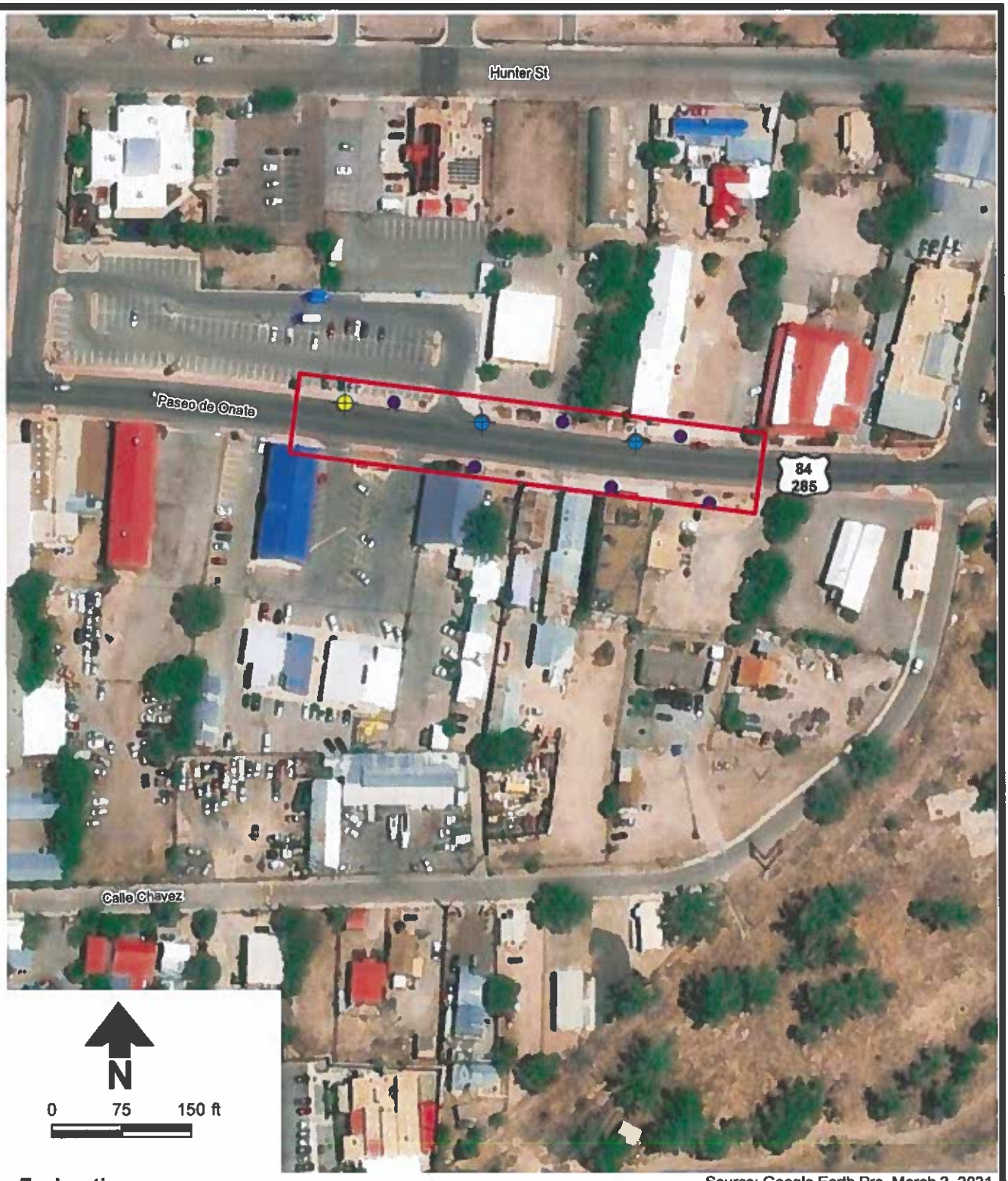


S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXD\SITE_MAP_MOUNTAIN_AIR_CLEANERS_2022PROPOSAL.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
12/20/2022 DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Site Map

Figure 2



Source: Google Earth Pro, March 2, 2021

Explanation

- Groundwater screening location
- Step-out groundwater screening location
- Proposed passive soil gas sample

S:\PROJECTS\DB21.1167_MOUNTAIN_AIR_CLEANERS\GIS\MXD\SISITE_MAP_MOUNTAIN_AIR_CLEANERS_NMDOT.MXD

DBS&A
Daniel B. Stephens & Associates, Inc.
7/5/2023 DB21.1167

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
Site Map

Figure 2

U.S. Department of Transportation
Federal Highway Administration

NMDOT

This Certificate of Completion acknowledges that

Rick Gonzales

Has satisfactorily completed training in

WORK ZONE TRAFFIC CONTROL SUPERVISOR TRAINING

uding information of MUTCD and NMDOT Section 618, Traffic Control Management and Section 702, Construction Traffic Control Devices

Tony Torres
ACNM Instructor

ACNM Director of Training and Safety

ACNM Executive Director

Effective Date: January 21, 2022
Expiration Date: January 21, 2026
Hours of Instruction (PDH): 4
ACNM No.: 227412

An Equal Employment Opportunity Program

Associated Contractors of New Mexico – 6135 Edith Blvd. NE Albuquerque, NM 87107 – 505-344-2072 – aconm.org

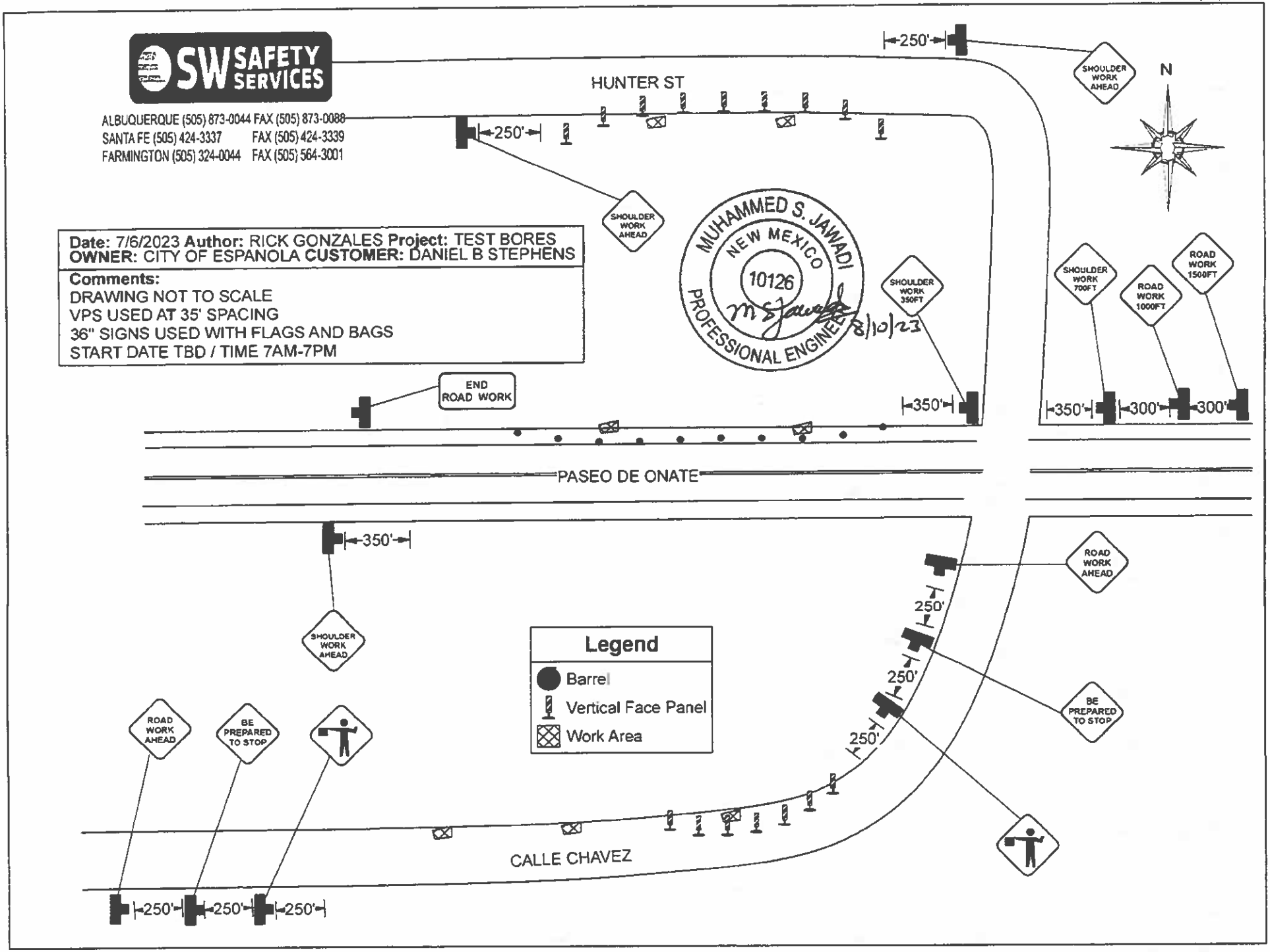
Associated Contractors of New Mexico
2022
Traffic Control Supervisor
Ricky Gonzales
ACNM No.: 227412
Effective Date: 1-21-2022
Expiration Date: 1-21-2026
Authorized Instructor: Anthony Torres- 221516
This card certifies the bearer has successfully completed program requirements including MUTCD Parts 1, 5 & 6, 2009 Edition for
ACNM - 6135 Edith Blvd NE - Albuquerque, NM 87107 - (505)-344-2072 - aconm.org

SW SAFETY SERVICES
ALBUQUERQUE (505) 873-0044 FAX (505) 873-0088
SANTA FE (505) 424-3337 FAX (505) 424-3339
FARMINGTON (505) 324-0044 FAX (505) 564-3001

Date: 7/6/2023 **Author:** RICK GONZALES **Project:** TEST BORES
OWNER: CITY OF ESPANOLA **CUSTOMER:** DANIEL B STEPHENS

Comments:
DRAWING NOT TO SCALE
VPS USED AT 35' SPACING
36" SIGNS USED WITH FLAGS AND BAGS
START DATE TBD / TIME 7AM-7PM

MUHAMMED S. JAWADI
NEW MEXICO
10126
PROFESSIONAL ENGINEER
8/10/23



NEW MEXICO OFFICE OF THE STATE ENGINEER
PERMIT FOR MONITORING WELL
CONDITIONS OF APPROVAL

This application is approved provided it is not exercised to the detriment of any others having existing rights and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the following conditions of approval:

Permittees: D&D Mountain Air Cleaners
Contact: Dina Quintana and Richard J. Beaudoin

Agent: Daniel B. Stephens & Associates - Patrice Feltman

Permit Number: RG-85756 POD181 through POD188

Application File Date: October 16, 2023

Purpose of Use: Monitoring Well

Points of Diversion:

OSE File No.	Applicant Well Number	Depth of Well (ft bgs)	Longitude (W)	Latitude (N)
RG-85756-POD181	TMW- 1	20	106°4'37.45"	35°59'29.21"
RG-85756-POD182	TMW - 2	20	106°4'39.54"	35°59'29.24"
RG-85756-POD183	TMW - 3	20	106°4'36.80"	35°59'25.65"
RG-85756-POD184	TMW - 4	20	106°4'38.71"	35°59'25.86"
RG-85756-POD185	TMW - 5	20	106°4'40.34"	35°59'25.98"
RG-85756-POD186	TMW - 6	20	106°4'36.91"	35°59'21.05"
RG-85756-POD187	TMW - 7	20	106°4'39.41"	35°59'20.94"
RG-85756-POD188	TMW - 8	20	106°4'41.57"	35°59'20.90"

The approximate depth to water is 8 feet below ground surface (bgs). Located within Rio Arriba County.

Specific Conditions of Approval

1. No water shall be diverted from the subject wells except for monitoring purposes.

2. In accordance with Subsection A of 19.27.4.29 NMAC, on-site supervision of well drilling/plugging by the holder of a New Mexico Well Driller License or a New Mexico Office of the State Engineer (NMOSE) - registered Drill Rig Supervisor is required. The New Mexico licensed Well Driller shall ensure that well drilling activities are completed in accordance with 19.27.4.29, 19.27.4.30, 19.27.4.31, 19.27.4.33 NMAC, and all specific conditions of approval of this Permit. While conducting the well drilling activities, the Well Driller shall maintain a copy of the approved Permit on-site and available for inspection upon request.

NEW MEXICO OFFICE OF THE STATE ENGINEER
PERMIT FOR MONITORING WELL
CONDITIONS OF APPROVAL

3. If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.

4. No water shall be appropriated and beneficially used under this permit.

5. The well driller shall file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.

6. The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

7. The State Engineer retains jurisdiction over this permit.

8. Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties.

9. The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

10. The permit is subject to cancellation for non-compliance with the conditions of approval or if otherwise not exercised in accordance with the terms of the permit.

11. This well permit shall automatically expire unless the well is completed, and the well record is filed with the State Engineer within one year of the date of issuance of the permit. Wells RG-85756 POD181 through POD188 must be completed within one year of approval date of this permit, on or before November 9, 2024.

12. This Permit shall automatically expire ten (10) years from its approval date, on November 9, 2033. If the subject wells are needed for continued monitoring purposes past the expiration date of this permit, the Permittee shall file an application to re-permit the subject wells for an extended duration.

13. A Well Plugging Plan of Operations shall be submitted to and approved by the OSE prior to the decommissioning of wells RG-85756-POD181 through POD188.

Witness my hand and seal this 9 day of November, 2023.

Mike A. Hamman, P.E.
NEW MEXICO STATE ENGINEER

By: _____

Joey J. Maestas
Water Resources Professional
Water Rights Division - District VI

DBS&A
a Geo-Logic Company

February 13, 2023

New Mexico Office of the State Engineer
District VI
Bataan Memorial Bldg.
PO Box 25102
Santa Fe, New Mexico 87504-5102

Re: Application for Permit to Drill a Well with No Water Right

Please find enclosed three copies of Application for Permit to Drill a Well with No Water Right and a check for the appropriate permit fee. Daniel B. Stephens & Associates, Inc. (DBS&A) has been contracted by D&D Mountain Air under supervision of the New Mexico Environment Department (NMED) to drill up to eight temporary groundwater monitoring wells, two of which will be completed as permanent wells, to investigate the horizontal and vertical extent of the Calle Chavez tetrachloroethylene (PCE) plume in Espanola, New Mexico. DBS&A will be analyzing water samples in the field to determine which of the temporary wells should be completed as permanent wells. The permit application is completed as if all eight locations will become permanent monitoring wells; however, up to six of the wells will be immediately plugged and abandoned.

DBS&A is hoping that a timely response is possible due to drilling and contract schedules.

Please call me at (505) 822-9135 should you have any questions or need additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Patrice N. Feltman

Patrice N. Feltman, P.G.
Geologist

Enclosures

6020 Academy Road NE, Suite 100
Albuquerque, New Mexico 87109

(505) 822-9400
www.dbstephens.com

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
DISTRICT VI - SANTA FE

Mike A. Hamman, P.E.
State Engineer

PO Box 25102
Santa Fe, New Mexico 87504-5102
(505) 827-6120
FAX: (505) 827-6682

November 9, 2023

D&D Mountain Air Cleaners
c/o Dina Quintana and Richard J. Beaudoin
309 North Paseo de Onate
Espanola, NM 87532

Daniel B. Stephens & Associates
c/o Patrice Feltman
6020 Academy Rd NE, Suite 100
Albuquerque, NM 87109

Re: Approval of Plugging Plan of Operations for RG-85756-POD181 through POD188

Greetings:

The Office of the State Engineer is returning a favorable approval with specific plugging conditions and has accepted the Well Plugging Plan of Operations submitted October 16, 2023 for filing for the following wells:

- RG-85756-POD181 through POD188

Well Plugging Records shall be submitted that itemize the actual abandonment process, materials used, and total volume of material used within 30 days after completion of well plugging.

Please address any questions by telephone to me at 505-827-3922 or email at joey.maestas@ose.nm.gov

Sincerely,

Joey Maestas
Office of State Engineer
Water Rights Division District VI

Enclosure
cc: WATERS
file

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: Unknown, see attached

Name of well owner: D&D Mountain Air Cleaners c\o Daniel B. Stephens and Associates, Attn: Patrice Feltman

Mailing address: 6020 Academy Rd NE, Suite 100 County:

City: Albuquerque State: NM Zip code: 87109

Phone number: 505-353-9135 E-mail: pfeltman@geo-logic.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Jackie D. Atkins

New Mexico Well Driller License No.: 1249 Expiration Date: 4/30/25

IV. WELL INFORMATION: ☑ **Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.**

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: _____ deg, _____ min, _____ sec
Longitude: _____ deg, _____ min, _____ sec, NAD 83

2) Reason(s) for plugging well(s):

The temporary well will be used to sample soil and groundwater to determine whether any contaminants of concern are present. It will not be part of an ongoing monitoring program.

3) Was well used for any type of monitoring program? no If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? no If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: 8 feet below land surface / feet above land surface (circle one)

6) Depth of the well: 20 feet

7) Grout additives requested, and percent by dry weight relative to cement:

8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

The granular bentonite will be placed in the well using a tremie pipe.

VIII. SIGNATURE:

I, Patrice Feltman on behalf of D&D Mountain Air, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 10/11/23

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

✓ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 9 day of November 2023

Mike A. Hamman, P.E., New Mexico State Engineer

By: _____

STATE ENGINEER OF THE STATE OF NEW MEXICO

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			0
Bottom of proposed sealant of grout placement (ft bgl)			20
Theoretical volume of sealant required per interval (gallons)			2
Proposed abandonment sealant (manufacturer and trade name)			Granular bentonite (Halliburton, benseal)

2023 OCT 16 PM 1:12

NEW MEXICO OFFICE OF THE STATE ENGINEER

ATTACHMENT to WD-08 Plan of Plugging
MULTIPLE MONITORING WELL DESCRIPTIONS

This Attachment is to be completed if more than one (1) monitoring well is to be plugged using the same method.

Location (Required):

☐ NM State Plane (NAD83) (Feet) ☐ NM West Zone ☐ NM Central Zone ☐ NM East Zone	☐ UTM (NAD83) (Meters) ☐ Zone 13N ☐ Zone 12N	■ Lat/Long (WGS84) (1/10th of second)	OTHER (allowable only for move-from descriptions - see application form for format) ☐ PLSS (quarters, section, township, range) ☐ Hydrographic Survey, Map & Tract ☐ Lot, Block & Subdivision ☐ Grant

OSE POD Number:	Other Well ID:	X or Longitude (ddmmss):	Y or Latitude (ddmmss):	Other Location Info (PLSS):	Casing ID- (inches):	Depth to Water- (ft bgs):	Total well Depth- (ft bgs):	Grout Volume:	Surface Casing (Y or N):
	TMW-1	106° 4'37.45"W	35°59'29.21"N		2	8	20	2 gal	N
	TMW-2	106° 4'39.54"W	35°59'29.24"N		2	8	20	2 gal	N
	TMW-3	106° 4'36.80"W	35°59'25.65"N		2	8	20	2 gal	N
	TMW-4	106° 4'38.71"W	35°59'25.86"N		2	8	20	2 gal	N
	TMW-5	106° 4'40.34"W	35°59'25.98"N		2	8	20	2 gal	N
	TMW-6	106° 4'36.91"W	35°59'21.05"N		2	8	20	2 gal	N
	TMW-7	106° 4'39.41"W	35°59'20.94"N		2	8	20	2 gal	N
	TMW-8	106° 4'41.57"W	35°59'20.90"N		2	8	20	2 gal	N

FOR OSE INTERNAL USE Multiple Montioring POD Descriptions, Form wr-08m (Rev 7/31/19)

File Number: RG-85756-POD 181 thru POD 188	Trn Number:
Trans Description (optional):	

2023 OCT 16 PM 1:12

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Mike A. Hamman, P.E.
District 6 Office, Santa Fe, NM

Well Plugging Plan of Operations
Conditions of Approval for RG-85756-POD181 through POD188

D&D Mountain Air Cleaners (the Applicant) and Daniel B. Stephens & Associates (Agent) has filed Application RG-85756-POD181 through POD 188 (the Application) for Permit for the drilling of 8 temporary monitoring wells. The Well Plugging Plan of Operations (WPPO) was received October 16, 2023 along with the Application. The approximate depth to static groundwater, as stated in the subject Application, is 8-feet below ground surface (bgs). The Applicant states, the depth of each of the subject wells is 20 feet bgs. The Applicant intends to take groundwater samples at the locations shown in Table 1 below. Permanent wells will be installed at those locations based on the results of the groundwater sampling and the boreholes caused by the groundwater sampling will be plugged via the subject WPPO. This WPPO also applies to any of the installed permanent monitoring wells when plugging and abandonment is necessary.

Location: Española, New Mexico.
Well Coordinates: See Table 1 below.

OSE File No.	Applicant Well Number	Depth of Well (ft bgs)	Longitude (W)	Latitude (N)
RG-85756-POD181	TMW- 1	20	106°4'37.45"	35°59'29.21"
RG-85756-POD182	TMW - 2	20	106°4'39.54"	35°59'29.24"
RG-85756-POD183	TMW - 3	20	106°4'36.80"	35°59'25.65"
RG-85756-POD184	TMW - 4	20	106°4'38.71"	35°59'25.86"
RG-85756-POD185	TMW - 5	20	106°4'40.34"	35°59'25.98"
RG-85756-POD186	TMW - 6	20	106°4'36.91"	35°59'21.05"
RG-85756-POD187	TMW - 7	20	106°4'39.41"	35°59'20.94"
RG-85756-POD188	TMW - 8	20	106°4'41.57"	35°59'20.90"

Table 1: Subject points of diversion with their coordinates (provided by the Applicant).

Specific Plugging Conditions of Approval

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. All pumping/drilling equipment and associated appurtenance shall be removed from the borehole prior to decommissioning.

3. Placement of granular bentonite within the borehole shall be placed through a tremie pipe extended to near borehole bottom (based on sounding depth) and in a manner in which the well is plugged from bottom upwards.

4. Bentonite shall be placed in a manner to prevent the possibility of bridging during placement. Should bridging occur during placement of the sealant, the driller shall remedy the issue.

    a. Bentonite shall be properly hydrated according to manufacturer specifications.

    b. Bentonite shall be installed and placed according to manufacturer specifications to ensure proper hydration of the bentonite.

5. The theoretical minimum volume of sealant required for a 2-inch-diameter well is approximately 0.16 gallons per foot. The total theoretical volume of sealant required to fill a 20 foot deep well is shown in Table 2 below. The total minimum amount of required sealant will be based on the well diameter and the sounding depths of the wells.

Well Number	Minimum Diameter (inches)	Well Depth (feet)	Minimum Volume (gallons)
RG-85756-POD181	2	20	3.3
RG-85756-POD182	2	20	3.3
RG-85756-POD183	2	20	3.3
RG-85756-POD184	2	20	3.3
RG-85756-POD185	2	20	3.3
RG-85756-POD186	2	20	3.3
RG-85756-POD187	2	20	3.3
RG-85756-POD188	2	20	3.3
	Total Minimum Volume:		**26.4**
	Approximate Gallons per Foot:		**0.16**

Table 2: The theoretical minimum volume of sealant required to plug the wells.

6. Should the New Mexico Environment Department/Drinking Water Bureau, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

7. NMOSE witnessing of the plugging will not be required, but shall be facilitated if a NMOSE observer is onsite. NMOSE witnessing may be requested during normal work hours by calling the District 6 NMOSE Office at 505-827-6120, at least 48 hours in advance. NMOSE inspection will occur depending on personnel availability.

8. A Well Plugging Record shall be filed with the State Engineer (NMOSE, P.O. Box 25102 - 407 Galisteo Street - Room 102, Santa Fe, NM 87504-5102) for each well, with the following items: **The Plugging Record shall be submitted within 30 days after completion of well plugging. Please attach a copy of these plugging conditions.**

The NMOSE Well Plugging Plan of Operation, dated November 9, 2023, is hereby approved with the aforesaid conditions applied, when signed by an authorized designee of the State Engineer:

Witness my hand and seal this 9 day of November, 2023

Mike A. Hamman, P.E.
NEW MEXICO STATE ENGINEER

By: _____

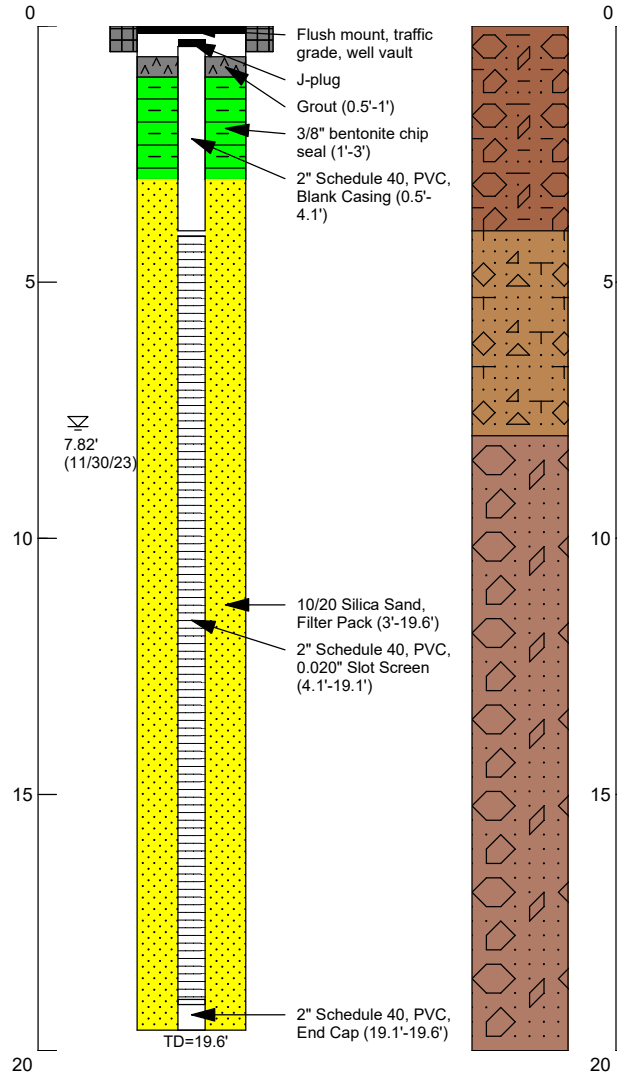
Joey J. Maestas
Water Resources Professional
NMOSE District VI - Santa Fe

Appendix F

Boring Logs and Well Completion Diagrams

DBS&A
a Geo-Logic Company

S:\Projects\DB21.1167_Mountain_Air_Cleaners\VR_Drawings\LogPlot



Graphic Log	PID reading (ppm)	Sample Recovery (%)	Sample Interval (ft bgs)	USCS Symbol	Lithology Interval (ft)	Comments and Lithology
	6.1	31.25	0-4	SC	0-4	Clayey sand with gravel - brown (7.5YR 4/4), fine to medium grained sand, well-graded, loose, subangular, decreasing fines with depth, slightly plastic when wet, 10-15% subangular gravels up to 1/2", moist, no odor
	8.4	62.5	4-8	SM	4-8	Silty sand with gravel - brown (7.5YR 4/4), fine to medium grained sand, moderately graded, loose, subangular to subrounded, 5-10% subangular gravels up to 1/2", moist, no odor
	7.2	50	8-12	SW/GW	8-20	Gravelly sand - brown (7.5YR 4/4), fine to coarse grained sand, well-graded, loose, subangular, 25-30% subangular gravels up to 3/4", moist, no odor
	NA	NA	12-16	SW/GW		Gravelly sand- as above, but wet (logged from cuttings)
	NA	NA	16-20	SW/GW		Gravelly sand - as above, but wet (logged from cuttings)

Geologist: J. Fisher
Driller: Atkins Engineering
Date completed: 11/16/2023

Drilling method: Hollow Stem Auger
Bit diameter: 8-1/2" O.D.
Sampling method: Continuous Core

DTW= Depth to water measured below top of casing (feet)
New Mexico State Plane Coordinates - NAD 83, Central Zone
Northing: 1815831.92
Easting: 1691648.1
Elevation: 5585.77, NAVD 88

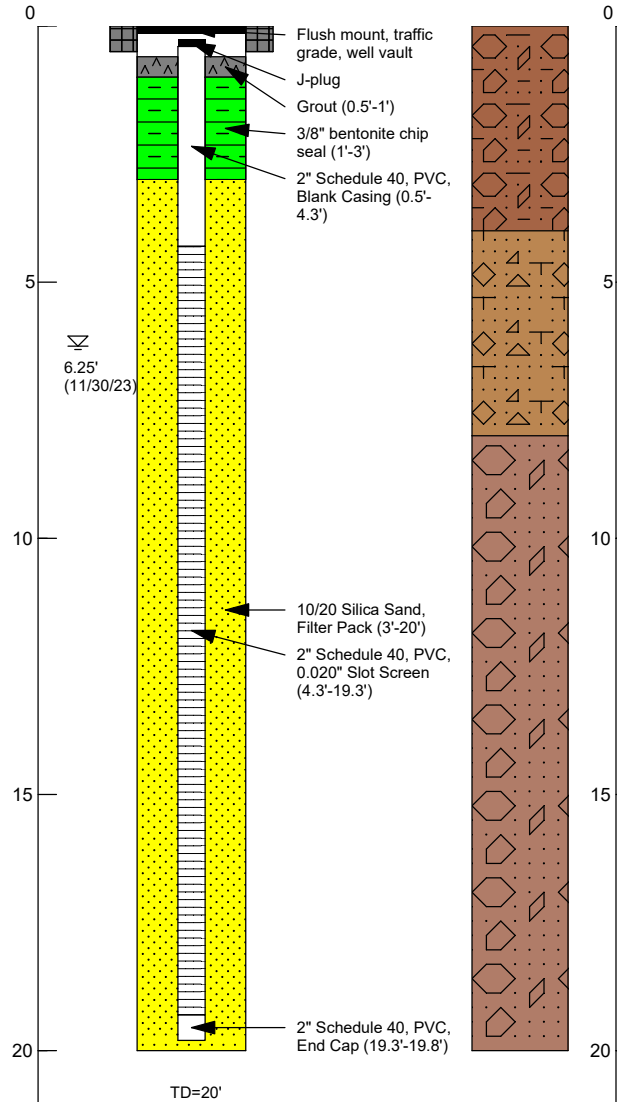
MOUNTAIN AIR CLEANERS 309
SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO

DBS-1

DBS&A a Geo-Logic Company

1/9/2024 DB21.1167

S:\Projects\DB21.1167_Mountain_Air_Cleaners\VR_Drawings\LogPlot



Graphic Log	PID reading (ppm)	Sample Recovery (%)	Sample Interval (ft bgs)	USCS Symbol	Lithology Interval (ft)	Comments and Lithology
	0.3	35.42	0-4	SC	0-4	Clayey sand with gravel - brown (7.5YR 4/4), fine to medium grained sand, well-graded, loose, subangular, decreasing fines with depth, slightly plastic when wet, 20% subangular gravels up to 1/2", damp, no odor
	0.0	29.17	4-8	SM	4-8	Silty sand with gravel - brown (7.5YR 4/4), fine to coarse grained sand, well- graded, loose, subangular to subrounded, 10% subangular to subround gravels up to 1", moist, no odor
	NA	29.17		SW/GW	8-20	Gravelly sand - brown (7.5YR 4/4), fine to coarse grained sand, well-graded, loose, subangular, 25-30% subangular gravels up to 1", moist, no odor
	NA	NA		SW/GW		Gravelly sand - as above, but wet (logged from cuttings)
	NA	NA		SW/GW		Gravelly sand - as above, but wet (logged from cuttings)

Geologist: J. Fisher
Driller: Atkins Engineering
Date completed: 11/15/2023

Drilling method: Hollow Stem Auger
Bit diameter: 8-1/2" O.D.
Sampling method: Continuous Core

DTW= Depth to water measured below top of casing (feet)
New Mexico State Plane Coordinates - NAD 83, Central Zone
Northing: 1815355.17
Easting: 1691408
Elevation: 5583.79, NAVD 88

MOUNTAIN AIR CLEANERS
309 SOUTH PASEO DE OÑATE
ESPAÑOLA, NEW MEXICO
DBS-2

DBS&A a Geo-Logic Company

1/9/2024 DB21.1167

Appendix G

Survey Report

DBS&A
a Geo-Logic Company

Atkins
ENGINEERING ASSOCIATES INC.

2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

01/05/2024

Patrice Feltman, P.G.
Daniel B. Stephens & Associates, Inc.
6020 Academy Road NE, Suite 100
Albuquerque, NM 87109

Emailed to: pfeltman@geo-logic.com on date of letter.

RE: Mountain Air Cleaners, Espanola

Atkins Engineering Associates, Inc. (AEA) has completed the monitor well survey at Mountain Air Cleaners, 309 Paseo De Onate, Espanola, NM 87532. The table on the following page summarizes the coordinate and elevation data for the monitor well location and elevations, top-of-casing (TOC) north side, center top of well vault and adjacent ground.

Horizontal coordinates are in US Survey Feet NAD 83 (2011) (EPOCH:2010.0000) New Mexico State Plane Central Grid Coordinates and New Mexico State Plane Central Grid Coordinates scaled to ground. The combined scale factor used is 1.000361290483671082.

Orthometric Heights (Elevations) for Monitor Well Locations were established by a combination of a closed level-loop and RTK GPS observations referenced to previously established elevation for MAMW-1. Elevation for MAMW-1 was established by William T. Goss, NMPS 16006. A temporary benchmark (TBM) was set on site for future surveying and is tied to NGS Benchmark "E 440". Elevations are NAVD88. Elevation for MAMW-2 significantly differed from elevation shown on previous survey. Differential calculations from new level-loop and GPS observations between MAMW-1 and MAMW-2 confirm a change. Updated elevation for MAMW-2 is shown in table.

Attached to this email is a .xlsx spreadsheet of the table above.

If you have any questions, please contact me at (575) 624-2420 or ryan@atkinseng.com

Ryan C. Cortez, PS 22761

1/5/2024
Date (Signed)

RYAN C CORTEZ
NEW MEXICO
22761
1/5/24
PROFESSIONAL SURVEYOR

RE: Mountain Air Cleaners, Espanola

Description	State Plane Central Grid Northing (USft)	State Plane Central Grid Easting (USft)	State Plane Central Grid Latitude (DD)	State Plane Central Grid Longitude (DD)	TOC Elevation (USft)	Vault Top Elevation (USft)	Adjacent Ground (USft)
MAMW-1	1815900.33	1691753.90	35.99063263	-106.07645645	5587.37	5587.61	5587.62
MAMW-2	1816020.59	1691858.36	35.99096250	-106.07610258	5587.12	5587.50	5587.40
DBS-1	1815831.94	1691648.14	35.99044527	-106.07681438	5585.77	5586.04	5585.90
DBS-2	1815355.37	1691408.12	35.98913719	-106.07762858	5583.79	5586.12	5584.03
TBM	1815907.75	1691743.97	35.99065307	-106.07648996	5587.25	--	--
NGS BM E440	1815828.98	1692140.32	35.99043473	-106.07515059	5593.87	--	--

Description	State Plane Central Ground Northing (USft)	State Plane Central Ground Easting (USft)	State Plane Central Ground Latitude (DD)	State Plane Central Ground Longitude (DD)	TOC Elevation (USft)	Vault Top Elevation (USft)	Adjacent Ground (USft)
MAMW-1	1815900.33	1691753.90	35.99063263	-106.07645645	5587.37	5587.61	5587.62
MAMW-2	1816020.63	1691858.40	35.99096262	-106.07610245	5587.12	5587.50	5587.40
DBS-1	1815831.92	1691648.10	35.99044520	-106.07681450	5585.77	5586.04	5585.90
DBS-2	1815355.17	1691408.00	35.98913665	-106.07762901	5583.79	5586.12	5584.03
TBM	1815907.75	1691743.97	35.99065308	-106.07648997	5587.25	--	--
NGS BM E440	1815828.96	1692140.46	35.99043466	-106.07515012	5593.87	--	--

Ryan C. Cortez, PS 22761

1/5/2021
Date (Signed)



Appendix H

Waste Manifest

DBS&A
a Geo-Logic Company

N.M.E.D. – DP-1041

Gandy Marley, Inc.

P.O. BOX 1658 • ROSWELL, NM 88202

LOAD INSPECTION FORM No. 21196

Date of Receipt: _____ Time of Receipt: _____ AM PM Call Placement: _____

Quantity: _____ T/CY: _____ Description: _____

Name/Address of Generator: _____

Origin of Materials (if different): _____

Transporter Name: _____ SCC ID No. _____

Name of Laboratory Performing Sample Analysis: _____

TCLP (EPA Method 1311): _____ BTEX: _____ MTBE: _____ TPH: _____ Non-Hazardous: _____ Exempt: _____

Verification of No Free Liquids: _____ Paint Filter Liquids Test Performed: _____

Verification of Property Completed Manifest: _____ Generator Manifest Number: _____

As a condition to Gandy Marley, Inc.'s acceptance of the materials shipped as represented on the Load Inspection Form, Generator represents and warrants that the waste material shipped herewith is exempt from the Resource Conservative and Recovery Act of 1976, as amended from time to time, 40 U.S.C. Section 6901, et seq., The New Mexico Health and Safety Code, section 361.001, et seq., and regulations related thereto, OR has been characterized as non-hazardous material by virtue of appropriate laboratory analysis done in accordance with EPA-approved testing methods.

Further, as a condition to Gandy Marley, Inc.'s acceptance of the materials shipped as represented on this Load Inspection Form; Transporter represents and warrants that only the material delivered by Generator to Transporter is now delivered by Transporter to Gandy Marley, Inc.'s facility for disposal.

THIS WILL CERTIFY that the above Transporter loaded the material as represented on this Load Inspection Form at the above described location, and that it was tendered by the above described Generator. THIS WILL CERTIFY that no additional materials were added to this load, and that the material was delivered without incident.

Transporter: _____ Print Name _____ Signature

GMI Employee: _____ Print Name _____ Signature

SUPERIOR PRINTING SERVICE, INC.

Contaminated Soils Shipment Manifest

1. Manifest Document No. 20240103 11

2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Dina Quintana
Richard Beaudoin
D+D Mountain air Cleaners
309 S Paseo de onate
c/o Atkins Eng
2904 W 2nd St
Roswell, NM 88201

4. Generator Phone No. 575 624 2420

5. Generator Contact Chris Cortez

6. Transporter 1 Company Name
Atkins engineering Associates, Inc

7. ID No. 04035834

8. Transporter 2 Company Name

9. ID No.

10. Designated Disposal Facility Name and Site Address
Gandy Marley, Inc. Contaminated Soils Landfarm
7200 East Second Street
PO Box 1658
Roswell, NM 88201

11. Facility Permit Number 1041

12. Facility Phone No. **(575) 398-0107**

13. Description of Waste	14. Containers No	14. Containers Type	15. Total Quantity	16. Unit Wt.Vol.
a. Soil Cuttings 309 S Paseo de onate D+D Mountain air Cleaners	002	DM	0010.154	Yd
b. Purge water 309 S Paseo de onate D+D Mountain dir Cleaners	002	DM	00110	gal
c.				

17. Special Handling Instructions and Additional Information

18. Generator's Certification: *I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state, and international laws.*

FURTHER. I represent and warrant that the waste material as described on this manifest is either exempt from the Resource Conservation and Recovery Act of 1976, OR has been characterized as non-hazardous material by virtue of appropriate laboratory analysis done in accordance with EPA-approved testing methods.

Printed/Typed Name	Signature	Date
Kiriza Arredondo		01032 4

TRANSPORTER

19. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
Cameron Pruitt		01040 4

20. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date

GMI

21. Discrepancy Information

22. Facility Owner or Operator Certification of receipt of materials described on this manifest except as noted in item 21.

Printed/Typed Name	Signature	Date