



January 5, 2023

Ms. Lisa Dunning  
Task Order Contracting Officer's Representative  
U.S. Environmental Protection Agency, Region 7  
11201 Renner Boulevard  
Lenexa, Kansas 66219

**Subject: Contract No. 68HERH19D0018; Task Order (TO) No. 68E0719F0190  
Nevada Habilitation Site  
East Edwards Street, Nevada, Vernon County, Missouri  
Phase II Environmental Site Assessment**

Dear Ms. Dunning:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") are pleased to present the attached Phase II Environmental Site Assessment (ESA) report regarding the Nevada Habilitation Site (the Site) on East Edwards Street in Nevada, Vernon County, Missouri. This deliverable has been reviewed internally as part of Tetra Tech's quality assurance program, as well as Toeroek's quality assurance program, and is consistent with Toeroek's Quality Management Plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

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Toeroek Team Program Manager

Kaitlyn Mitchell  
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Enclosure: Phase II ESA

cc: Leeanna Balsley, EPA Region 7 (cover letter only)  
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**TARGETED BROWNFIELDS ASSESSMENT  
PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**NEVADA HABILITATION SITE  
EAST EDWARDS STREET  
NEVADA, VERNON COUNTY, MISSOURI**



**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 7**

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## **1.0 INTRODUCTION**

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter “Toeroek Team”) with providing technical support to the EPA Region 7 Brownfields Program under Contract 68HERH19D0018, Task Order 68E0719F0190. EPA Region 7 requested that the Toeroek Team conduct a Phase II Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment of the Nevada Habilitation Site (the Site) on East Edwards Street in Nevada, Vernon County, Missouri.

The Site occupies portions of two adjoining parcels (13-8.0-33-002-003-001.000 and 13-8.0-33-002-003-002.000), both on East Edwards Street. The Site includes a parking lot, green space, a portion of East Edwards Street, and one structure used as a restroom. The Site historically was the location of the Nevada State Hospital and a mental health facility, which were both demolished. Buildings associated with the current Nevada State Hospital adjoin the Site (Appendix A, Figure 1). The Toeroek Team conducted a Phase I ESA in February 2022 (Toeroek Team 2022a). According to the Brownfields Assessment Application (EPA 2021), the Kaysinger Basin Regional Planning Commission and current property owner, the City of Nevada, have shown interest in developing the Site contingent on findings from this Phase II ESA. Future use of the Site is unknown; however, conservative screening levels for residential land use will be assumed for this Phase II ESA.

The scope of this Phase II ESA included collection of subsurface soil, groundwater, and soil-gas samples to confirm or eliminate recognized environmental conditions (RECs) identified during the Phase I ESA (Toeroek Team 2022a). This Phase II ESA report is consistent with ASTM International (ASTM) Standard E1903-19 for Phase II ESAs, and otherwise complies with EPA’s “All Appropriate Inquiries” Rule (AAI Rule) (Title 40 *Code of Federal Regulations* [40 CFR] Part 312).

### **1.1 PURPOSE**

Purposes of this Phase II ESA were to: (1) confirm or eliminate RECs identified during the Phase I ESA; (2) acquire information regarding the nature of contamination (if present) and risks posed by that contamination that would support informed business decisions about the Site; and (3) where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

### **1.2 SPECIAL TERMS AND CONDITIONS**

No special terms or conditions were identified during this Phase II ESA.

## **2.0 BACKGROUND AND SITE HISTORY**

This section specifies the location of the Site and its features, conveys the physical setting, recounts the history of the Site, discusses land uses at the Site and adjacent properties, and relates results of previous investigations.

### **2.1 SITE DESCRIPTION AND FEATURES**

The Site occupies portions of two adjoining parcels (13-8.0-33-002-003-001.000 and 13 8.0-33-002-003-002.000), both on East Edwards Street in Nevada, Vernon County, Missouri. The Site is depicted on the Nevada, Missouri, U.S. Geological Survey (USGS) 7.5-minute topographic series map (USGS 1991) (Appendix A, Figure 1). Coordinates at the approximate center of the Site are 37.859596 degrees north latitude and 94.359182 degrees west longitude. The only structures within the Site boundaries are a 400-square-foot restroom building and a network of underground utility tunnels. According to the Site contact, Mr. Brian Vickers, Director of Vernon County Economic Development, an extensive underground utility tunnel system exists under the Site and adjoining properties. This network is associated with the existing Nevada State Hospital and former on-site structures associated with the historical Nevada State Hospital (Toeroek Team 2022a). Figure 2 in Appendix A illustrates the Site boundaries.

### **2.2 PHYSICAL SETTING**

The Site encompasses approximately 12 acres of land and includes a parking lot, green space, a portion of East Edwards Street, and a single restroom building. According to Mr. Vickers, the foundation of a former building associated with the Nevada State Hospital is likely still present on the Site (Toeroek Team 2022a). Building materials (concrete, brick, wire, carpet, and tile) were observed in subsurface soil cores collected during this Phase II ESA, but the extent of any remaining foundation is unknown.

#### **2.2.1 Geologic Setting**

Vernon County lies within the Central Lowlands physiographic province, and the City of Nevada is within the Vernon County Uplands Nevada Plain. Alluvium, sandstone, limestone, and shale are the predominant sedimentary rocks within the County. The Pennsylvanian Cherokee Formation forms the surface of the Nevada Plain. The Cherokee Formation consists of shale in the upper portion of the formation and sandstone in the lower portion. Mounds of earth are present in areas of Vernon County where the shale of the Cherokee Formation has eroded, and the weathering resistant sandstone begins to crop out (Missouri Bureau of Geology and Mines 1926).

Soil at the Site was classified according to the U.S. Department of Agriculture (USDA) Soil Conservation Services Web Soil Survey reviewed in December 2021. The soil, with 2 to 5 percent slopes, falls under the farmland classification and is part of the Barco loam; also present is Barden silt loam having 1 to 5 percent slopes. The Barco loam is well drained and consists of residuum from weathered sandstone with loam (to depth of 17 inches), sandy clay loam (from 17 to 34 inches deep), and bedrock (from 34 to 80 inches deep). The Barden silt loam is moderately well drained and consists of loess and silt loam from weathered shale (to 18 inches deep), clay (from 18 to 56 inches deep), and clay loam (from 56 to 80 inches deep) (USDA 2021).

### **2.2.2 Hydrogeology**

The Site lies within the northern portion of the Ozark Plateaus Aquifer system, which consists of three main aquifers. From shallowest to deepest, the three aquifers are the Springfield Plateau aquifer, almost entirely of Mississippian limestone; the Ozark aquifer, mostly of Devonian to Cambrian limestone and high-yielding dolomite; and the St. Francois aquifer, mostly of Cambrian dolomite and sandstone (USGS 1997).

Currently, groundwater is not used for drinking water at the Site. The City of Nevada derives its drinking water from groundwater wells at four locations in the City of Nevada, the closest groundwater well is located at least 1 mile to the south of the Site (Nevada Public Works Department 2021).

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, primarily to the south-southeast in the southern part of the Site and to the north-northeast in the northern part of the Site. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features.

### **2.2.3 Hydrology**

Most of the Site is flat. Surface water flows toward storm sewers on nearby streets or follows local topography. Stormwater runoff from the northern part of the Site flows toward a pond north of the Site.

### **2.2.4 Meteorology**

Annual average rainfall in Nevada, Missouri is 46 inches. Average summer temperature highs are approximately 90 degrees Fahrenheit (°F). Average winter lows are approximately 22°F (National Weather Service 2022).

## **2.3 SITE HISTORY AND LAND USE**

Currently, the only building within the Site boundaries is a 400-square-foot restroom building. The Nevada State Hospital and a mental health facility formerly occupied the Site. Buildings associated with the mental health facility within the Site footprint were built in 1890, closed in 1991, and demolished in 1999. Other buildings associated with the historical and current hospital, including the mechanical shop, physical plant, and power station, remain on property adjacent to and north of the Site (Toeroek Team 2022a).

## **2.4 ADJACENT PROPERTY USE**

The Site is within a primarily residential area in the northwest portion of the City of Nevada. It is bounded to the north by multiple buildings associated with the Nevada State Hospital; northeast by Barone Alzheimer's Care Center; east by Ash Place apartment complex, Pentecostal Assembly, and residential housing; southeast by residential housing and a Conoco gasoline station; south by residential housing, Lyons Stadium baseball field, Osage Prairie YMCA, Inc., and Crossroads Church; southwest by Newton Cemetery, farmland, and residential housing; west by residential housing, Crowder College Nevada Center, and Nevada Regional Technical Center; and northwest by buildings associated with the Nevada State Hospital, with farmland beyond.

## **2.5 SUMMARY OF PREVIOUS ASSESSMENTS**

In February 2022, the Toeroek Team conducted a Phase I ESA (Toeroek Team 2022a). The following RECs and business environmental risk (BER) were identified for the Site:

RECs:

- The present-day Conoco gasoline station (formerly operated as Jordan Thain Enterprises, Inc. and Hop In 1811) at 1811 North Ash Street is adjacent to the southeast corner of the Site. This gasoline station is listed in the Underground Storage Tank (UST), Leaking UST (LUST), and Environmental Data Resources, Inc. Historic Auto databases. Based on the close proximity to the Site and the limited information available regarding closure of the LUST, this facility poses a REC and vapor encroachment concern for the Site.
- Visually observed conditions during the vicinity reconnaissance included uncontrolled drums and piles of tires; damaged transformers containing polychlorinated biphenyls (PCBs); diesel aboveground storage tanks (ASTs) without proper secondary containment and with visible staining; power plant facilities with generators and other possible ASTs and USTs associated with these facilities; automotive shop facilities; underground utility tunnel system; a septic system; and a pond that reportedly received AST spill overflow, biohazardous waste, sewage, and other possible dumped materials/items. These observed conditions and unknown operations and infrastructure associated with the historical Nevada State Hospital pose as RECs for the Site.

- A powerful petroleum odor was detected during the vicinity reconnaissance around the residential housing south of the Crowder College Nevada Center, adjacent to and west of the Site. The source of this odor could not be identified. The unknown source of the odor poses a REC for the Site.

**BER:**

- A restroom building is in the north-central portion of the Site, and an underground utility tunnel system associated with the Nevada State Hospital is beneath the Site. The tunnels also are in the adjacent parcel north of the Site. Based on age of the building and the tunnels, asbestos-containing materials (ACM) and/or lead-based paint (LBP) may have been used in their construction. The utility tunnels likely contain insulated piping that may contain ACM. Possible presence of ACM and LBP poses a BER for the Site.

No other assessments are known to have been conducted at the Site.

### **3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES**

The following subsections describe the scope, field activities, and methods implemented during this Phase II ESA. On October 4 and 5, 2022, Toeroek Team member Thomas Kaley conducted subsurface soil sampling and soil-gas sampling with direct-push technology (DPT) subcontractor Plains Environmental Services of Salina, Kansas. Photographs taken to document Phase II ESA field activities are in Appendix B. Field activities were documented in a site logbook; a copy is in Appendix C.

#### **3.1 SCOPE OF THE ASSESSMENT**

The Toeroek Team performed environmental sampling to determine if subsurface soils and soil gas are contaminated by current and/or historical activities at the Site. Sampling was consistent with the Quality Assurance Project Plan (QAPP) approved with comment by EPA on July 27, 2022. The final draft of the QAPP, including response to EPA comments, was submitted to EPA on August 11, 2022 (Toeroek Team 2022b).

##### **3.1.1 Sampling Plan**

The proposed sampling scheme for this project incorporated a combination of biased/judgmental sampling with definitive laboratory analysis, in accordance with procedures included in the *Guidance for Performing Site Inspections Under CERCLA* (Office of Solid Waste and Emergency Response Directive #9345.1-05, September 1992). All samples were submitted for analysis to an off-site laboratory subcontracted by the Toeroek Team. Objectives of sampling were to characterize possible previous releases to the environment. Figure 3 in Appendix A depicts the sampling locations at the Site. Sampling at the Site occurred as follows:

- Seven surface soil samples were collected, one at each of seven DPT boring locations (soil boring location 1 [SB-1] through SB-7). One duplicate pair was collected at SB-5.
- Seven subsurface soil samples were collected, one at each of seven DPT boring locations (SB-1 through SB-7).
- Seven soil-gas samples were collected, one at each of seven DPT boring locations (SG-1 through SG-7). At each boring location, one soil-gas sample was collected within a 6-inch interval at a depth between 3.5 and 6 feet below ground surface (bgs). Of these, five were co-located with soil sample boring locations and two were standalone.

##### **3.1.2 Chemical Testing Plan**

Laboratory analyses for chemical parameters were selected based on possibly present contaminants associated with historical uses of the Site. Soil samples were submitted to Pace Analytical (Pace) in Lenexa, Kansas, to be analyzed for the following parameters: volatile organic compounds (VOCs), semivolatile

organic compounds (SVOCs), total petroleum hydrocarbons (TPH) – gasoline-range organics (GRO), TPH – diesel-range organics (DRO), polychlorinated biphenyls (PCBs), and target analyte list (TAL) metals. Soil-gas samples were analyzed for VOCs.

### **3.1.3 Deviations from the QAPP**

The following deviations from the QAPP occurred during Phase II fieldwork activities:

- Groundwater samples were not collected because groundwater was not encountered above the depth of refusal in any DPT borings.

## **3.2 FIELD ACTIVITIES AND METHODS**

Field activities at the Site occurred on October 4 and 5, 2022. The following sections summarize soil and soil-gas sample collections. Sampling locations are depicted on Figure 3 in Appendix A.

### **3.2.1 Soil Sampling**

Seven surface soil samples, one of which was a duplicate pair, and seven subsurface soil samples were collected during Phase II activities to assess potential contamination resulting from historical activities at the Site (Appendix A, Figure 3).

Samples were collected with a DPT rig. The Toeroek Team obtained soil cores using 5-foot-long, Macro-Core samplers with disposable polyvinyl chloride (PVC) liners. Soil borings were to be advanced to maximum depth of 35 feet bgs, to groundwater, or to refusal, whichever occurred first. Surface soil samples were collected within 0 to 3 feet bgs. The Toeroek Team screened the cores using a hand-held photoionization detector (PID) for the presence of elevated concentrations of VOCs. Subsurface soil samples were collected at biased intervals based on detected staining or odor, or elevated PID readings. If no staining/odor or elevated PID readings were noted within the subsurface interval, the sample was collected from the bottom of the soil core. Boring logs are in Appendix C.

Soil sampling for analyses for VOCs and TPH-GRO accorded with EPA Method 5035, which specifies collection of approximately 5 grams of soil into three 40-milliliter (mL) vials directly from the undisturbed core by use of a disposable volatile organic analysis (VOA) plunger. Two vials were preserved with sodium bisulfate, and one vial was preserved with methanol. Remaining soil from each sample interval was homogenized and placed into one unpreserved 8-ounce jar.

After completion of sampling at each location, each piece of sampling equipment that had encountered the soil sample, except for the PVC liners, was decontaminated by application of a non-phosphate detergent and



tap water wash, followed by a tap water rinse. The liners were discarded with other investigation-derived waste (IDW), such as disposable gloves.

Samples were analyzed for VOCs (with SW-846 Method 8260), SVOCs (with SW-846 Method 8270), TPH-DRO (with SW-846 Method 8270), TPH-ORO (with SW-846 Method 8270), PCBs (with SW-846 Method 8082), and TAL metals (with SW-846 Method 6010/7471). Table 1 below summarizes soil samples collected during this Phase II ESA.

**TABLE 1  
SOIL SAMPLE SUMMARY  
NEVADA HABILITATION SITE  
NEVADA, VERNON COUNTY, MISSOURI**

Boring Identification	Sample Identification	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-1	SB-1 (0-3)	0-3	37.860627	-94.361544	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, PCBs, and TAL metals
	SB-1 (7-8)	7-8			
SB-2	SB-2 (0-3)	0-3	37.861205	-94.361894	
	SB-2 (7-10)	7-10			
SB-3	SB-3 (0-3)	0-3	37.860722	-94.362136	
	SB-3 (10-11)	10-11			
SB-4	SB-4 (0-3)	0-3	37.860541	-94.361083	
	SB-4 (3-5.5)	3-5.5			
SB-5	SB-5 (0-3)	0-3	37.860588	-94.360544	
	SB-5 (0-3) DUP	0-3			
	SB-5 (3-6)	3-6			
SB-6	SB-6 (0-3)	0-3	37.861122	-94.360027	
	SB-6 (6-9)	6-9			
SB-7	SB-7 (0-3)	0-3	37.858480	-94.358758	
	SB-7 (4-7)	4-7			

Notes:

DRO	Diesel-range organics	SB	Soil boring
DUP	Field duplicate	SVOC	Semivolatile organic compound
ft bgs	Feet below ground surface	TAL	Target analyte list
GRO	Gasoline-range organics	TPH	Total petroleum hydrocarbons
N	North	VOC	Volatile organic compound
ORO	Oil-range organics	W	West
PCB	Polychlorinated biphenyl		

### 3.2.2 Soil-gas Sampling

The Toeroek Team collected seven soil-gas samples during Phase II activities to investigate potential vapor contamination resulting from historical activities at the Site (Appendix A, Figure 3). Soil-gas sample locations were co-located with the soil samples at SB-1, -2, -5, -6, and -7. SG-3 and -4 were co-located with proposed groundwater sampling locations.

At each sampling location, steel rods were advanced to approximately 5 to 6 feet bgs with the DPT rig, then retracted approximately 6 inches to create a void space to allow collection of soil gas. At SG-4, steel rods were advanced to approximately 3 to 5.5 feet bgs due to geologic refusal. The soil-gas samples were collected through the steel rods with disposable polyethylene tubing connected to the bottom of the rod string and an evacuated vacuum canister on the ground surface. Air in the tubing was evacuated with a vacuum pump prior to connection of the tubing to the canister. After connection of the canister to the tubing, a valve on the canister was opened to begin sample collection. The canister remained attached to the polyethylene tubing until the vacuum gauge indicated approximately -5 to -7 inches of mercury in the canister.

After completion of sampling at each location, each piece of sampling equipment that had encountered the soil-gas sample, except for the polyethylene tubing, was decontaminated by application of a non-phosphate detergent and tap water wash, followed by a tap water rinse. The tubing was discarded with other IDW, including soil sampling IDW and gloves. The canisters were submitted to Pace for analysis for VOCs via EPA Method Toxic Organics (TO)-15. Table 2 below summarizes soil-gas samples collected during this Phase II ESA.

**TABLE 2**  
**SOIL-GAS SAMPLE SUMMARY**  
**NEVADA HABILITATION SITE**  
**NEVADA, VERNON COUNTY, MISSOURI**

Boring Identification	Sample Identification (Depth of Sample in ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SG-1	SG-1 (5-6)	37.860627	-94.361544	VOCs
SG-2	SG-2 (5-6)	37.861205	-94.361894	
SG-3	SG-3 (5-6)	37.860277	-94.362494	
SG-4	SG-4 (3-5.5)	37.860186	-94.363322	
SG-5	SG-5 (5-6)	37.860588	-94.360544	
SG-6	SG-6 (5-6)	37.861122	-94.360027	
SG-7	SG-7 (5-6)	37.858480	-94.358758	

Notes:

ft bgs     Feet below ground surface  
N         North  
SG        Soil gas  
VOC      Volatile organic compound  
W         West

### 3.2.3 Quality Control Sampling

Field quality control (QC) sampling for this investigation included one solid matrix trip blank and one soil field duplicate. Pace analyzed the trip blank for VOCs and TPH-GRO. Analytical data from the trip blank

were referenced to determine whether contamination had been introduced in the field and/or during transportation of containers and samples. The soil field duplicate was collected to determine total method precision. Analytical results from the field duplicate sample were used to calculate the relative percent difference (RPD) between each set of duplicate pair results for each reported analyte. The RPDs were used for informational purposes only; however, the higher concentration of each analyte in each duplicate sample pair was to be used at the discretion of the EPA Project Manager. Calculated RPDs are included in the applicable data validation reports in Appendix D. Analytical accuracy was determined by analyses of laboratory-prepared spikes and duplicates.

## **4.0 EVALUATION AND PRESENTATION OF RESULTS**

The following sections present analytical data from soil and soil-gas samples collected during this Phase II ESA. Soil sample results from this ESA were compared to Missouri Risk-Based Corrective Action (MRBCA) Lowest Default Target Levels (LDTLs); to MRBCA Tier I Risk-Based Target Levels (RBTLS) assuming residential land use and sandy soil; and to EPA regional screening levels (RSLs), assuming residential land use and a total hazard quotient (THQ) of 1.0 (Missouri Department of Natural Resources [MoDNR] 2006; EPA 2022a). Metals results from soil samples were also compared to Vernon County average background concentrations to determine if detected metals concentrations were consistent with naturally occurring concentrations in the County (USGS 2021). A detected concentration of a metal is considered naturally occurring if at or below the average county background concentration (within the one standard deviation margin of error).

VOC results from soil-gas samples were compared to EPA Vapor Intrusion Screening Levels (VISLs), assuming residential land use and a THQ of 1.0 (EPA 2022b). Copies of analytical data packages and data validation reports are in Appendix D.

### **4.1 SOIL SAMPLES**

Seven surface soil samples (including one duplicate pair) and seven subsurface soil samples were collected at seven locations to assess potential contamination resulting from historical activities at the Site. Samples were submitted to Pace for analyses for VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, PCBs, and TAL metals.

#### **VOCs**

Acetone, a common laboratory contaminant, was detected in three surface samples (SB-2, -6, and -7) and one subsurface sample (SB-5). None of these detected VOC concentrations exceeded a regulatory benchmark. Table 3 below lists VOC detections in surface and subsurface soils.

**TABLE 3**  
**DETECTED VOC RESULTS FROM SOIL SAMPLES**  
**NEVADA HABILITATION SITE**  
**NEVADA, VERNON COUNTY, MISSOURI**

Sample Identification (Depth of Sample in ft bgs)	Acetone
	Regulatory Screening Levels – Surface Soils
	EPA RSL Residential Soil = 70,000,000
	MRBCA LDTL = 4,200
	RBTL (Residential Land Use Surface Sandy Soils) = 61,500,000
SB-2 (0-3)	33.4
SB-6 (0-3)	18.2
SB-7 (0-3)	75.5
	Regulatory Screening Levels – Subsurface Soils
	EPA RSL Residential Soil = 70,000,000
	MRBCA LDTL = 4,200
	RBTL (Residential Land Use Subsurface Sandy Soils) = 1,830,000
SB-5 (3-6)	22.2

Notes:

All values are in micrograms per kilogram (µg/kg).

EPA            U.S. Environmental Protection Agency  
ft bgs        Feet below ground surface  
LDTL        Lowest Default Target Level  
MRBCA      Missouri Risk-based Corrective Action (Missouri Department of Natural Resources 2006)  
RBTL        Risk-based Target Level  
RSL         Regional Screening Level (Target Hazard Quotient = 1.0; Target Risk = 1E-06) (EPA 2022a)  
SB            Soil boring  
VOC          Volatile organic compound

### SVOCs

No SVOCs were detected at a concentration exceeding the laboratory detection limit in any surface or subsurface sample.

### TPH

TPH-ORO was detected in six surface and six subsurface soils sample locations. TPH-DRO was detected in one surface soil sample (SB-3). TPH-GRO was not detected in any soil samples. No detected concentration of TPH-ORO or TPH-DRO exceeded any regulatory benchmark. Table 4 below lists all TPH detections in surface and subsurface soil.

**TABLE 4**

**DETECTED TPH RESULTS FROM SOIL SAMPLES  
NEVADA HABILITATION SITE  
NEVADA, VERNON COUNTY, MISSOURI**

Sample Identification (Depth of Sample in ft bgs)	TPH-ORO	TPH-DRO
	Regulatory Screening Levels – Surface Soils	
	EPA RSL Residential Soil = 2,400,000	EPA RSL Residential Soil = 97,000
	MRBCA LDTL = 124,000,000	MRBCA LDTL = 4,150,000
	RBTL (Residential Land Use Surface Sandy Soils) = 124,000,000	RBTL (Residential Land Use Surface Sandy Soils) = 140,000,000
SB-1 (0-3)	27,900	< 15.9
SB-2 (0-3)	20,500	< 17.6
SB-3 (0-3)	59,200	20,000
SB-5 (0-3)	20,500	< 15.6
SB-6 (0-3)	18,200	< 16.7
SB-7 (0-3)	18,500	< 18.1
	Regulatory Screening Levels – Subsurface Soils	
	EPA RSL Residential Soil = 2,400,000	EPA RSL Residential Soil = 90,000
	MRBCA LDTL = 124,000,000	MRBCA LDTL = 4,150,000
	RBTL (Residential Land Use Subsurface Sandy Soils) = NE	RBTL (Residential Land Use Subsurface Sandy Soils) = 4,150,000
SB-1 (7-8)	25,500	< 16.1
SB-3 (10-11)	23,800	< 17.2
SB-4 (3.5-5)	45,700	< 16.8
SB-5 (3-6)	36,700	< 15.3
SB-6 (6-9)	38,100	< 16.3
SB-7 (4-7)	16,800	< 16.4

Notes:

All values are in micrograms per kilogram (µg/kg).

<	Result is less than the associated laboratory reporting limit.
EPA	U.S. Environmental Protection Agency
DRO	Diesel-range organics
ft bgs	Feet below ground surface
LDTL	Lowest Default Target Level
MRBCA	Missouri Risk-based Corrective Action
NE	Not established
ORO	Oil-range organics
RBTL	Risk-based Target Level
RSL	Regional Screening Level (Target Hazard Quotient = 1.0; Target Risk = 1E-06)
SB	Soil boring
TPH	Total petroleum hydrocarbons

**PCBs**

No PCBs were detected at a concentration above the laboratory detection limit in any surface or subsurface soil sample.

## Metals

Metals were detected in all surface and subsurface soil samples. Table 5 lists metals detections in subsurface soil samples. Findings are summarized below.

- Detections of arsenic occurred at concentrations exceeding the EPA residential RSL of 0.68 milligrams per kilogram (mg/kg) in all samples, at concentrations exceeding the MRBCA Tier 1 residential RBTL of 3.89 mg/kg for residential soils in five surface soil samples (SB-2, -3, -4, -5, and -6), and at concentrations exceeding the MRBCA LDTL of 3.89 mg/kg in two subsurface soil samples (SB-4 and -6). An MRBCA Tier 1 RBTL has not been established for arsenic in subsurface soils. Arsenic was detected at concentrations exceeding the mean background level of 6.71 mg/kg for soils in Vernon County in five surface soil samples (SB-2, -3, -4, -5, and -6) and in two subsurface soil samples (SB-4 and -6); however, arsenic concentrations in all of these samples were within the range of background values from 2.64 to 19.99 mg/kg.
- Detections of lead occurred at concentrations exceeding the MRBCA LDTL of 3.74 mg/kg in all surface and subsurface samples. However, detections of lead were below the EPA residential RSL of 400 mg/kg and MRBCA Tier 1 residential RBTL of 260 mg/kg in all surface and subsurface samples. Lead was detected at concentrations exceeding the mean background level of 18.45 mg/kg for soils in Vernon County in three surface soil samples (SB-3, -4, and -5) and in one subsurface soil sample (SB-4). Lead was detected at a concentration in one surface soil sample (SB-4) within the range of background values from 9.32 to 39.64 mg/kg.
- Detections of beryllium occurred at concentrations exceeding the MRBCA LDTL of 0.74 mg/kg in two surface soil samples (SB-6 and -7) and in two subsurface soil samples (SB-6 and -7). Of these, concentrations of beryllium in the two surface soil samples also exceeded the Tier 1 residential RBTL of 0.74 mg/kg. A MRBCA Tier 1 RBTL has not been established for beryllium in subsurface soils. These concentrations were all below the EPA residential RSL of 160 mg/kg. Background concentrations of beryllium in soils in Vernon County have not been established.
- Background concentrations of copper, selenium, manganese, mercury, and zinc were exceeded in several samples; however, the detected concentrations were lower than any regulatory benchmarks. Background concentrations of magnesium were exceeded in one surface soil sample (SB-7) and two subsurface soil samples (SB-6 and -7); however, regulatory benchmarks have not been established for magnesium in soil.



TABLE 5

DETECTED METALS RESULTS FROM SOIL SAMPLES  
NEVADA HABILITATION SITE  
NEVADA, VERNON COUNTY, MISSOURI

Sample Identification	Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc	Mercury
	Regulatory Screening Levels – Surface Soils																			
	EPA RSL Residential Soil																			
	77,000	NE	55,000	NE	NE	NE	0.68	15,000	160	7.1	NE	23	3,100	400	1,800	NE	3,900	3,900	23,000	11
	MRBCA LDTL																			
	75,500	NE	NE	NE	NE	NE	3.89	2,040	0.737	9.31	74,600	NE	617	3.74	2,720	505	6.27	530	7,220	2.19
	RBTL (Residential Land Use Surface Sandy Soils)																			
	75,500	NE	NE	NE	NE	NE	3.89	15,000	0.737	16.8	74,600	NE	3,040	260	9,680	1,510	380	530	22,800	46.3
	USGS Vernon County Average (USGS 2021)																			
	36,150	3,050	22,890	2,320	NE	3,520	6.711	NE	NE	NE	NE	NE	8.158	18.452	832.278	NE	0.617	NE	73.966	0.16
SB-1 (0-3)	8,590	1,620	9,050	831	690	< 51.8	3.6	118	< 0.52	< 0.52	10.6	4.5	5.1	9.2	217	6.8	1.3	21.7	22.9	< 0.052
SB-2 (0-3)	7,570	1,810	10,300	763	632	< 39.0	5.1	146	0.50	< 0.39	12.4	5.2	5.6	18.4	314	5.9	1.3	27.7	46.7	< 0.048
SB-3 (0-3)	9,350	2,500	16,800	1,030	1,100	< 43.3	8.3	118	0.60	3.3	15.2	6.9	20.9	241	181	14.8	1.3	22.8	717	0.17
SB-4 (0-3)	22,100	840	22,800	1,560	1,940	48.4	10	66.3	0.60	< 0.45	25.0	2.8	16.6	30.9	67.6	11.7	2.4	36.5	45.5	< 0.046
SB-5 (0-3)	10,400	1,150	23,800	970	901	< 47.2	6.4	66.8	0.70	0.68	16.3	7.0	10.0	42.5	156	14.8	1.3	27.7	218	< 0.053
SB-5 (0-3) DUP	9,680	1,140	13,400	945	842	< 36.8	3.4	63.5	0.58	< 0.37	11.7	4.8	6.9	15.1	88.5	10.5	1.1	20.2	118	< 0.051
SB-6 (0-3)	13,300	1,510	42,700	1,370	790	56.7	10.8	145	1.2	< 0.54	30.9	12.2	9.9	17.1	338	17.3	1.8	45.9	37.1	< 0.053
SB-7 (0-3)	24,900	2,000	21,900	3,000	1,840	813	3.4	363	1.0	< 0.54	31.4	14.7	13.2	13.5	343	23.2	1.5	31.5	56.5	< 0.052
	Regulatory Screening Levels – Subsurface Soils																			
	EPA RSL Residential Soil																			
	77,000	NE	55,000	NE	NE	NE	0.68	15,000	160	7.1	NE	23	3,100	400	1,800	NE	3,900	3,900	23,000	11
	MRBCA LDTL																			
	75,500	NE	NE	NE	NE	NE	3.89	2,040	0.737	9.31	74,600	NE	617	3.74	2,720	505	6.27	530	7,220	2.19
	RBTL (Residential Land Use Surface Sandy Soils)																			
	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	260	NE	NE	NE	NE	NE	2.19
	USGS Vernon County Average (USGS 2021)																			
	36,150	3,050	22,890	2,320	NE	3,520	6.711	NE	NE	NE	NE	NE	8.158	18.452	832.278	NE	0.617	NE	73.966	0.16
SB-1 (7-8)	7,540	818	8,490	1,230	1100	40.6	2.6	36.6	< 0.39	< 0.39	11.5	4.2	8.0	5.4	71.7	11.0	1.3	13.7	44.7	< 0.047
SB-2 (7-10)	10,600	782	16,000	1,520	1,070	39.6	1.7	88.2	0.55	4.2	12.4	36.6	10.4	16.9	1,510	60.4	1.6	15.9	142	< 0.052
SB-3 (10-11)	9,970	2,320	16,500	1,520	1,220	57.6	1.6	37.1	0.68	< 0.50	12.0	19.1	11.0	8.4	721	20.3	1.1	15.9	73.7	< 0.052
SB-4 (3.5-5)	8,260	3,860	19,600	1,000	880	< 37.3	11.7	94.2	0.56	6.6	18.5	6.0	18.8	176	271	11.1	1.8	23.6	1,040	0.35
SB-5 (3-6)	7,800	1,240	9,330	1,110	926	75.2	1.7	47.7	< 0.44	0.50	13.9	11.7	6.8	15.0	159	13.4	1.1	12.9	126	< 0.046
SB-6 (6-9)	8,620	796	25.600	2,710	1,430	224	7.9	29.0	1.1	< 0.45	20.5	21.0	38.7	10.4	391	42.1	2.0	20.5	110	< 0.041
SB-7 (4-7)	9,290	1,280	21,800	2,890	1,510	251	3.7	44.2	0.79	< 0.43	19.6	14.6	23.1	5.4	246	34.7	1.9	16.9	94.9	< 0.049

Notes:

All values are in milligrams per kilogram (mg/kg).  
*Italic* font indicates concentration exceeds the MRBCA LDTL.  
**Bold** font indicates concentration exceeds the EPA residential RSL.  
Green highlighting indicates concentration exceeds the Vernon County average background concentration.  
Gold highlighting indicates concentration exceeds the residential RBTL.  
Red highlighting indicates concentration exceeds the residential RBTL and the Vernon County average background concentration.

<	Result is less than the associated reporting limit.	NE	Not established
DUP	Duplicate	RBTL	Risk-based Target Level
EPA	U.S. Environmental Protection Agency	RSL	Regional Screening Level (Target Hazard Quotient = 1.0; Target Risk = 1E-06)
LDTL	Lowest Default Target Level	SB	Soil boring
MRBCA	Missouri Risk-based Corrective Action	USGS	United States Geological Survey

## 4.2 SOIL-GAS SAMPLES

The Toeroek Team collected seven soil-gas samples during Phase II activities. These samples were collected to assess potential contamination in soil gas resulting from historical activities at the Site. Soil-gas samples were submitted to Pace for analysis for VOCs via EPA Method TO-15. Analytical data were compared to EPA VISLs and a THQ of 1.0 (EPA 2022b).

VOCs were detected in all soil-gas samples. Detected benzene concentration at SG-5 exceeded the residential VISL of 12.0 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) but was below the commercial VISL of 52.4  $\mu\text{g}/\text{m}^3$ . Concentrations of naphthalene exceeded the residential VISL of 2.75  $\mu\text{g}/\text{m}^3$  at SG-2, -4, -5, -6, and -7, and the commercial VISL of 12.0  $\mu\text{g}/\text{m}^3$  at SG-3. Concentrations of trichloroethene (TCE) exceeded the residential VISL of 15.0  $\mu\text{g}/\text{m}^3$  at SG-5 (24.9  $\mu\text{g}/\text{m}^3$ ) and the commercial VISL of 99.7  $\mu\text{g}/\text{m}^3$  at SG-7 (327  $\mu\text{g}/\text{m}^3$ ).

No VOCs were detected above VISLs in the sample from SG-1. However, due to high concentrations of trichlorofluoromethane (Freon-11) and propylene, detection limits exceeded the commercial VISLs for benzene, chloroform, ethylbenzene, naphthalene, 1,2,4-trichlorobenzene, tetrachloroethene (PCE), and TCE.

TABLE 6

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES  
NEVADA HABILITATION SITE  
NEVADA, VERNON COUNTY, MISSOURI

Sample Identification	Acetone	Benzene	2-Butanone (MEK)	Carbon disulfide	Chloromethane	Chloroform	Cyclohexane	Dichlorodifluoromethane	cis-1,2-Dichloroethene	Ethanol	Ethylbenzene	n-Heptane		
	Residential Target Sub-Slab and Near-source Soil-Gas Concentration													
	NE	12.0	174,000	24,300	3,130	4.07	209,000	3,480	1,390	NE	37.4	1,390		
	Commercial Target Sub-Slab and Near-source Soil-Gas Concentration													
NE	52.4	730,000	102,000	13,100	17.8	876,000	14,600	5,840	NE	164	58,400			
SG-1 (5-6)	< 3,670	< 197	< 1,820	< 384	< 255	< 301	< 1,060	< 613	< 489	< 1,170	< 536	< 506		
SG-2 (5-6)	72.4	2.3	17.9	2.8	1.1	< 0.83	< 2.9	2.8	< 1.4	20.0	2.6	2.7		
SG-3 (5-6)	81.0	11.5	29.4	4.5	1.1	< 0.87	49.0	2.5	< 1.4	15.0	5.5	67.2		
SG-4 (3.5-5)	110	8.6	51.7	4.1	< 0.71	1.3	24.1	2.4	< 1.4	15.9	4.2	33.9		
SG-5 (5-6)	43.6	19.9	32.8	2.9	< 0.71	< 0.83	20.5	< 1.7	< 1.4	15.0	2.6	23.0		
SG-6 (5-6)	87.3	2.3	18.5	4.3	< 0.71	< 0.83	< 2.9	2.3	< 1.4	13.8	< 1.5	3.2		
SG-7 (5-6)	43.0	2.3	< 4.9	2.8	< 0.69	< 0.81	< 2.9	1.8	45.1	< 3.1	1.6	3.5		
Sample Identification	n-Hexane	Naphthalene	2-Propanol	Propylene	Styrene	Toluene	1,2,4-Trichlorobenzene	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	o-Xylene
	Residential Target Sub-Slab and Near-source Soil-Gas Concentration													
	2,430	2.75	6,950	104,000	34,800	174,000	69.5	360	15.9	NE	2,090	2,090	3,480	3,480
	Commercial Target Sub-Slab and Near-source Soil-Gas Concentration													
102,000	12.0	29,200	438,000	146,000	730,000	292	1,570	99.7	NE	8,760	8,760	14,600	14,600	
SG-1 (5-6)	< 435	< 1,610	< 1,520	587	< 526	< 465	< 4,580	< 837	< 331	35,200	< 606	< 606	< 1,070	< 536
SG-2 (5-6)	3.0	10.5	5.4	37.4	< 1.5	7.0	< 12.7	< 1.2	< 0.92	2.0	8.4	2.5	9.4	3.6
SG-3 (5-6)	73.2	12.7	< 4.4	< 1.5	2.2	24.8	18.2	< 2.4	< 0.96	14.5	10.3	3.6	21.6	6.8
SG-4 (3.5-5)	39.7	7.5	6.3	248 J	1.7	17.2	< 12.7	< 2.3	< 0.92	< 1.9	9.4	3.0	14.5	5.3
SG-5 (5-6)	35.6	5.3	100	< 1.5	< 1.5	14.0	< 12.7	22.1	24.9	219	3.6	< 1.7	8.5	3.0
SG-6 (5-6)	< 1.2	6.0	< 4.2	< 1.5	< 1.5	4.6	< 12.7	< 1.2	5.0	5.1	3.2	< 1.7	5.2	1.6
SG-7 (5-6)	4.5	4.5	41.5	40.8	< 1.4	5.0	< 12.4	< 1.1	327	< 1.9	2.4	< 1.6	5.8	< 1.4

Notes:

All values are in micrograms per cubic meter (µg/m³).

**Bold** font and gold shading indicates concentration exceeds the EPA residential VISL.

**Bold italic** font and red shading indicates the concentration exceeds the EPA commercial VISL.

< Result is less than the associated reporting limit.

EPA U.S. Environmental Protection Agency

NE Not established

SG Soil Gas

VISL Vapor Intrusion Screening Level

### 4.3 QUALITY CONTROL SAMPLES

One solid matrix trip blank was included in this Phase II ESA to determine whether contamination had been introduced during transportation of containers and samples. No analytes were present in the trip blank at concentrations above a laboratory detection limit.

One field duplicate was collected at SB-5 to determine total method precision. Analytical results from the field duplicate sample were used to calculate the RPD between each set of duplicate pair results for each reported analyte. The RPDs were used for informational purposes only; however, the higher concentration of each analyte in each duplicate sample pair was to be used at the discretion of the EPA Project Manager. Calculated RPDs are included in the applicable data validation reports in Appendix D. Analytical accuracy was determined by analyses of laboratory prepared spikes and duplicates.

## **5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS**

This section summarizes significant findings and offers conclusions regarding Phase II ESA field activities.

### **5.1 SOIL**

The following analytes were detected in soil at concentrations exceeding the EPA RSL and/or the MRBCA Tier 1 RBTL for residential soils.

- Arsenic was detected in all surface and subsurface soil samples at levels exceeding the EPA RSL and at concentrations exceeding the MRBCA Tier 1 RBTL for residential soils in five surface soil samples. However, concentrations of arsenic in all of these samples were within the range of background values for soils in Vernon County established by USGS.
- Beryllium concentrations exceeded the MRBCA Tier 1 RBTL for residential soils in two surface soil samples. All beryllium concentrations were below the EPA RSL. No background concentration has been established by USGS for beryllium in Vernon County.

### **5.2 SOIL GAS**

VOCs were detected in all soil-gas samples. The following analytes were detected in soil gas at concentrations exceeding a VISL.

- Concentration of benzene exceeded the residential VISL at SG-5 but was below the commercial VISL.
- Concentrations of naphthalene exceeded the residential VISL in five samples (SG-2, -4, -5, -6, -7) and the commercial VISL in one sample (SG-3).
- Concentrations of TCE exceeded the residential VISL in one sample (SG-5) and the commercial VISL in one sample (SG-7).

### **5.3 EVALUATION OF PREVIOUSLY IDENTIFIED RECS**

This section confirms RECs identified in the February 2022 Phase I ESA report (Toeroek Team 2022a). Based on results of soil and soil-gas sampling, the Site appears to have been impacted by operations and infrastructure associated with the historical Nevada State Hospital and former mental health facility and adjacent properties.

### **5.4 CONCEPTUAL SITE MODEL**

The following sections describe elements of the conceptual site model.

#### **5.4.1 Chemical Release Scenario and Spatial Distribution**

Sampling results during this Phase II ESA indicated presence of VOCs, TPHs, and metals in soil at the Site. Sampling results from soil were compared to EPA RSLs (soil) under residential scenarios, MRBCA LDTLs, and MRBCA Tier I RBTLs for residential soil in Type 1 (sandy) soils. VOC results from soil-gas samples were compared to EPA residential and commercial VISLs using a THQ of 1.0 (EPA 2022b). Sampling results from soil gas exceeded MRBCA RBTLs and EPA residential and commercial VISLs. These comparisons indicated elevated concentrations of VOCs in soil gas likely associated with historical operations at the Site and current operations adjacent to the Site. The detections of beryllium may be related to operations at the Site, but a background concentration has not been established for Vernon County.

#### **5.4.2 Current and Future Land Use and Groundwater Use**

The Site encompasses approximately 12 acres of land and includes a parking lot, green space, a portion of East Edwards Street, and a restroom building. According to Site contact, Mr. Vickers, the foundation of a former building associated with the Nevada State Hospital likely is still present on the Site, although its extent is unknown. Figure 2 in Appendix A illustrates the Site boundaries.

Currently, groundwater is not used for drinking water at the Site. The City of Nevada derives its drinking water from groundwater wells at four locations in the City of Nevada south of the Site (Nevada Public Works Department 2021).

The Kaysinger Basin Regional Planning Commission and current property owner, the City of Nevada, have shown interest in developing the Site contingent on findings from this Phase II ESA.

#### **5.4.3 Land and Groundwater Use Restrictions**

No known land or groundwater use restrictions currently exist at the Site.

#### **5.4.4 Physical Conditions**

A discussion of physical conditions is in Section 2.2 of this report.

#### **5.4.5 Remedial Activities at the Site**

No known remedial activities have occurred at the Site.

#### **5.4.6 Exposure Model**

##### **Groundwater Migration Pathway and Targets**

The Site is within a primarily residential area in the northwest portion of the City of Nevada. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features. Groundwater was not encountered above the depth of refusal in any of the DPT borings. The City of Nevada derives its drinking water from groundwater wells at four locations in the City of Nevada approximately 1 mile south of the Site (Nevada Public Works Department 2021). Groundwater is not used for drinking water at the Site. Because the City of Nevada serves the groundwater use domestic pathway, likelihood is low for ingestion of or dermal exposure to contaminants present in groundwater. Groundwater may be a source of contaminated soil gas, as described below.

##### **Surface Water Migration Pathway and Targets**

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, primarily to the south-southeast in the southern part of the Site and to the north-northeast in the northern part of the Site. Threatened or endangered species known or likely to occur in Vernon County, Missouri, include the gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalists*), and Northern long-eared bat (*Myotis septentrionalis*). The tricolored bat (*Perimyotis subflavus*), monarch butterfly (*Danaus plexippus*), little brown bat (*Myotis lucifugus*), and Regal fritillary (*Speyeria idalia*) currently are under review. No critical habitats are listed on the Site (U.S. Fish and Wildlife Service [USFWS] 2022). Presence of these species at the Site has not been verified, and the Site has not undergone a habitat assessment.

Although the property north of the Site has a pond, the Site itself does not contain any surface water features. Stormwater flows to the municipal stormwater sewer system; likelihood of exposure to stormwater is low.

##### **Soil Exposure and Air Migration Pathways and Targets**

Soil at the Site consists of Barco loam and Barden silt loam. Portions of the Site previously had been developed and fill material including concrete and brick rubble were noted during this investigation. The Site includes a parking lot, maintained green space, East Edwards Street, and one structure used as a restroom. Given the existing cover and the isolated occurrences of soil with elevated concentrations of beryllium, the likelihood of direct exposure to soil or air contamination from mobilized soil or dust is low.

##### **Subsurface Vapor Intrusion Migration Pathway and Targets**

The Site currently has one building, a 400-square-foot restroom building. Utility conduits and tunnels underlie the Site. Other buildings associated with the hospital, including the mechanical shop, physical



plant, and power station, remain on adjacent property north of the Site (Toeroek Team 2022a). The Kaysinger Basin Regional Planning Commission and current property owner, the City of Nevada, have shown interest in developing the Site contingent on findings from this Phase II ESA.

Soil-gas samples were collected at seven locations; results are discussed in Sections 4.2 and 5.2. VOCs were detected in all soil-gas samples. Concentrations of benzene exceeded residential VISLs in several samples, for TCE in one sample and for naphthalene in five samples. Concentrations of naphthalene and TCE each exceeded their commercial VISLs in one sample.

## **5.5 AFFECTED MEDIA**

Sampling results during this Phase II ESA indicated presence of VOCs, TPHs, and metals in soil, and VOCs in soil gas at the Site.

Sampling results from soil were compared to EPA RSLs (soil) under residential scenarios, MRBCA LDTLs, and MRBCA Tier I RBTLs for residential soil in Type 1 (sandy) soils (EPA 2022a, MoDNR 2006). VOC results from soil-gas samples were compared to EPA residential and commercial VISLs using a THQ of 1.0 (EPA 2022b).

Of the analytes detected in soil, only arsenic and beryllium were present in concentrations that exceeded an RSL or RBTL. Of these, concentrations of arsenic were consistent with expected background concentrations identified by USGS for Vernon County (USGS 2022). USGS has not established a background concentration for beryllium.

Elevated concentrations of VOCs in soil gas likely are associated with historical operations at the Site and current operations adjacent to the Site. The elevated TCE concentration detected in soil gas at SG-7 suggests a release of TCE occurred in or migrated to that area. TCE is commonly associated with degreasers and brake cleaners, and SG-7 is located near the Conoco gasoline station south and adjacent to the Site. The detection of TCE at SG-5 is likely associated with a detection of PCE, suggesting this detection may be associated with a former dry-cleaning activity or laundry at the hospital. PCE is commonly associated with dry-cleaning activities, and TCE is a known breakdown product of PCE. Widespread detections of naphthalene in soil gas across the property suggest a release of petroleum products.

Residential properties that could be impacted by vapor intrusion are east and southeast of the Site, and likely downgradient of SG-7. If elevated TCE concentrations in soil gas are associated with groundwater,

TCE is likely migrating from the northwest assuming the hydrologic gradient is consistent with the topographic gradient at the Site.

Elevated concentrations of beryllium in soil and VOCs in soil gas at the Site could pose an unacceptable risk to receptors at the Site. Human exposure risks could be mitigated by vapor intrusion barriers or removal or treatment of soil or groundwater contaminated with VOCs. No soil contaminated with VOCs was found at the Site, but contaminated soil may be present in areas not sampled. Groundwater could not be sampled using the DPT rig. The Toeroek Team recommends development of a risk management plan specifying ways to prevent transport of these contaminants through the environment, following final determination of future use of the Site.

The Kaysinger Basin Regional Planning Commission and current property owner, the City of Nevada, have shown interest in developing the Site contingent on findings from this Phase II ESA. Based on analytical results from soil and soil-gas samples, further investigation and/or remediation appears warranted. If the soil is to be disturbed during redevelopment, a soil management plan may be necessary to protect construction or utility workers. Isolated areas where concentrations of contaminants in soil exceed residential RBTLs may require additional excavation or capping. An Analysis of Brownfields Cleanup Alternatives (ABCA), to be submitted under separate cover and as directed by EPA, will present alternatives for remediating affected media at the Site.

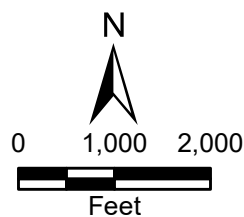
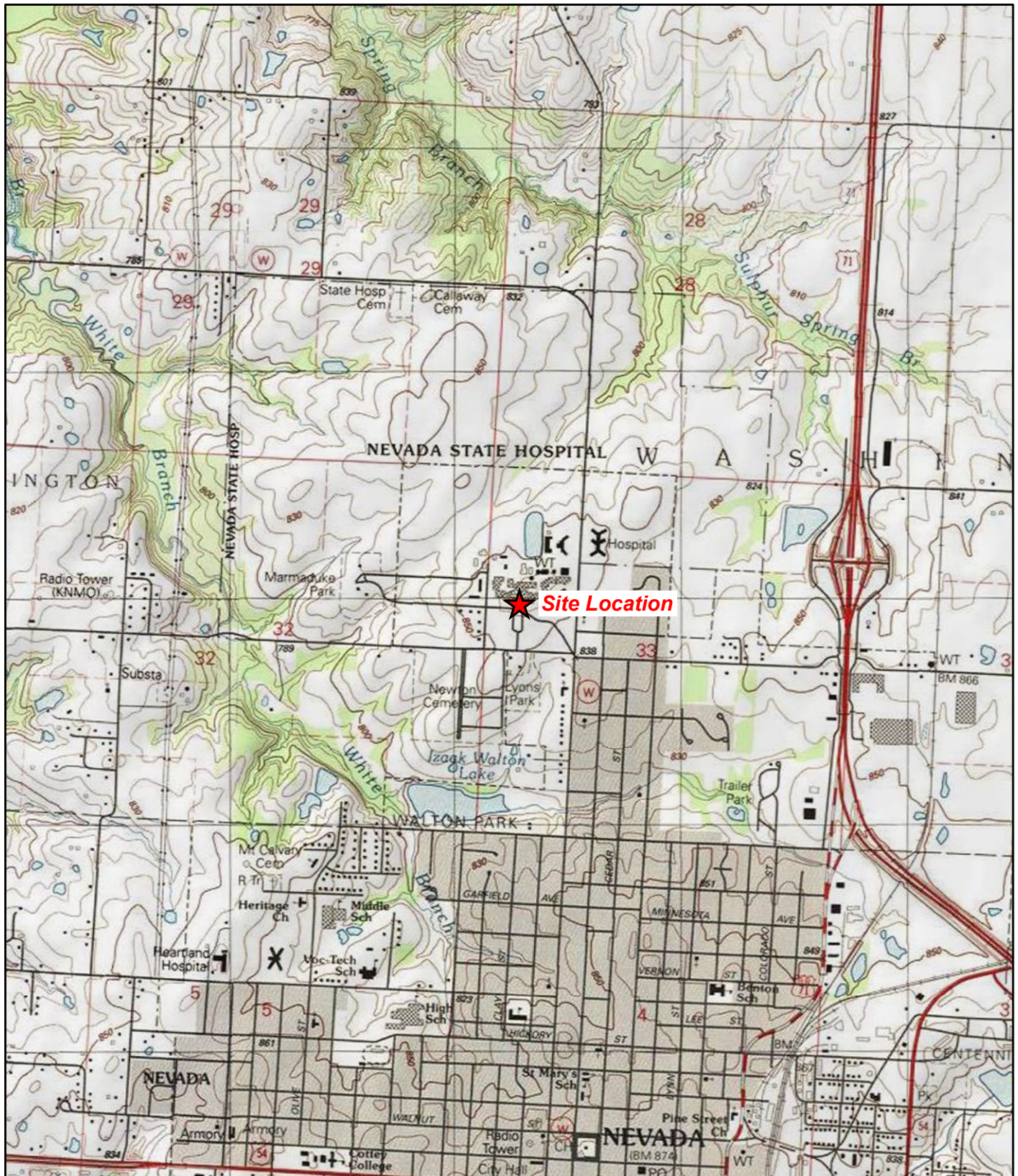
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## **APPENDIX A**

### **FIGURES**





Nevada Habilitation Site  
East Edwards Street  
Nevada, Missouri

**Figure 1**  
Site Location Map



**TETRA TECH**



**TOEROEK  
ASSOCIATES, INC.**

Source: USGS Horton, MO 7.5 Minute Topo Quad, 1991; USGS Metz, MO 7.5 Minute Topo Quad, 1991;  
USGS Moundville, MO 7.5 Minute Topo Quad, 1991; USGS Nevada, MO 7.5 Minute Topo Quad, 1991

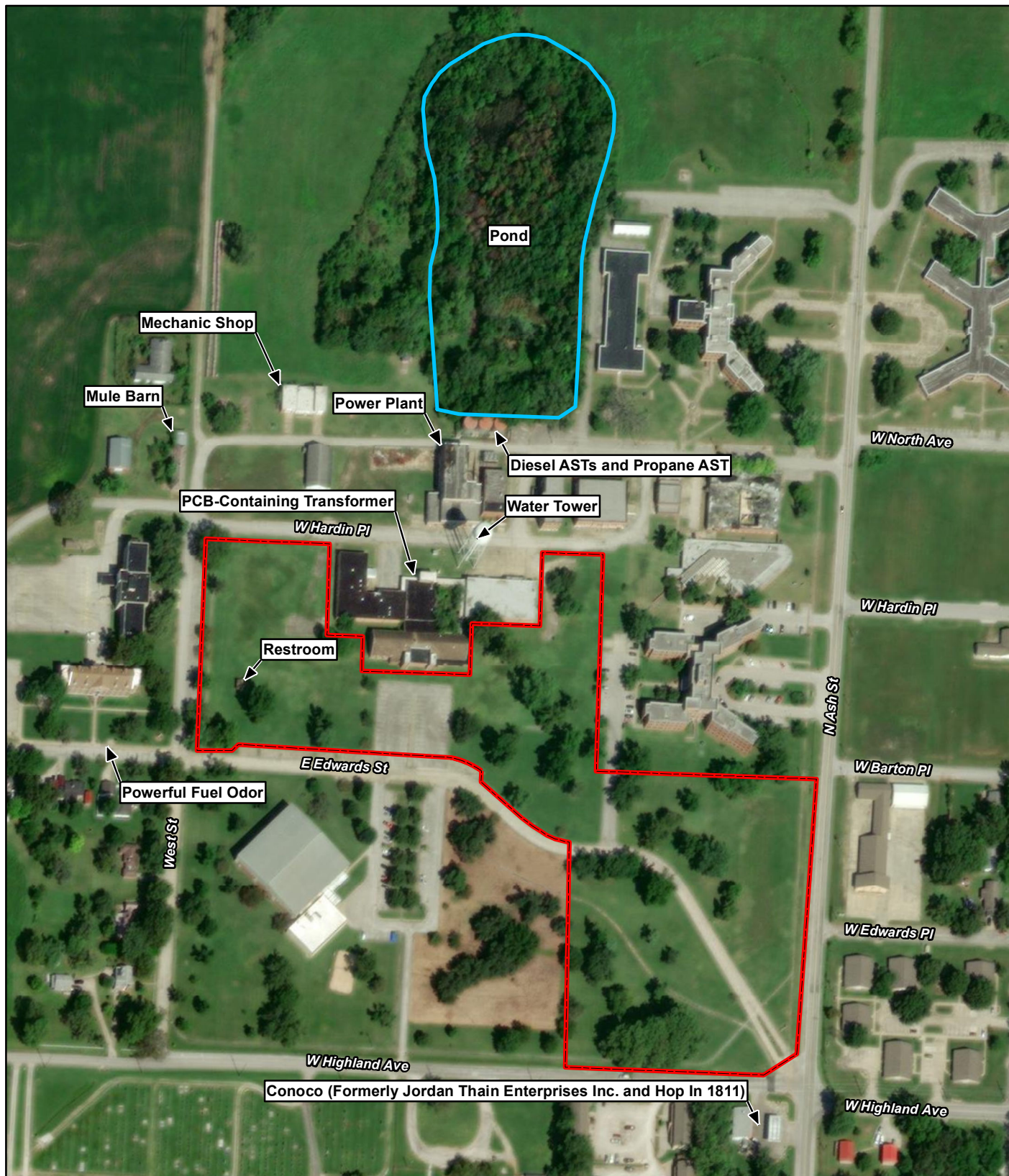
Date: 11/11/2022

Drawn By: Nick Wiederholt

Project No: 103G65210190.011.03

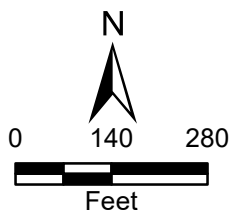
X:\P\65210190\011\Project\mxd\Figure1.mxd





#### Legend

- Approximate subject site boundary
- Pond
- AST Aboveground storage tank
- PCB Polychlorinated biphenyl

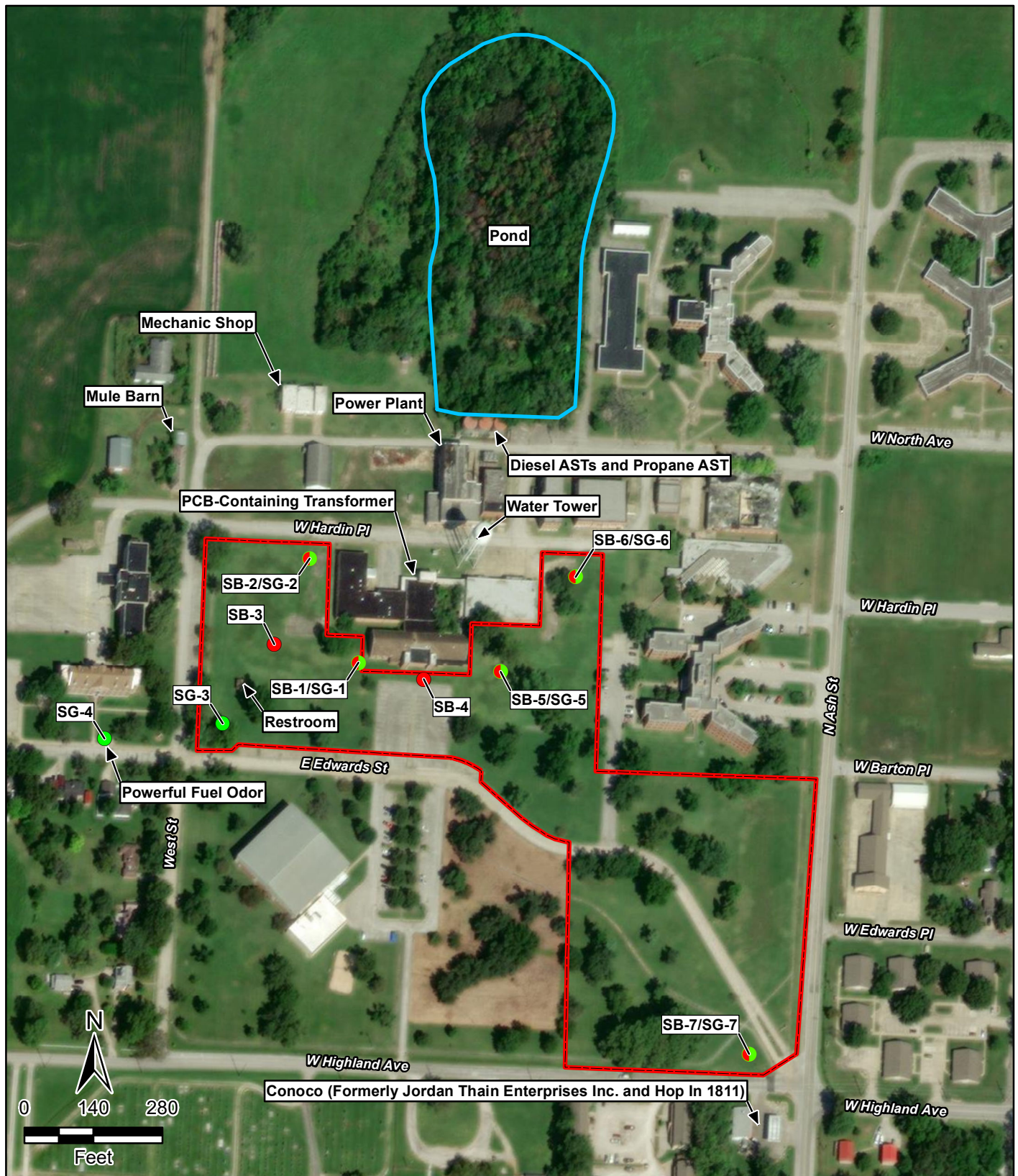


Nevada Habilitation Site  
East Edwards Street  
Nevada, Missouri

**Figure 2**  
Site Layout Map







#### Legend

- |  |  |
|--|--|
| <span style="color: red;">●</span> DPT soil sample location          | <span style="border: 2px solid red; display: inline-block; width: 20px; height: 10px;"></span> Approximate subject site boundary |
| <span style="color: green;">●</span> DPT soil gas sample location    | <span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span> Pond                             |
| <span style="color: red;">●</span> DPT soil/soil gas sample location | <span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> AST Aboveground storage tank    |
|  | <span style="color: red;">●</span> DPT Direct-push technology  |
|  | <span style="color: green;">●</span> PCB Polychlorinated biphenyl  |

Source: Esri, ArcGIS Online, World Imagery, 2021

Nevada Habilitation Site  
East Edwards Street  
Nevada, Missouri

**Figure 3**  
DPT Sample Location Map



Date: 1/4/2023

Drawn By: Nick Wiederholt

Project No: 103G65210190.011.03

## **APPENDIX B**

### **PHOTOGRAPHIC DOCUMENTATION LOG**



**Phase II Environmental Site Assessment  
Photographic Documentation Log  
Nevada Habilitation Site – Nevada, Missouri**



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows the direct-push technology (DPT) rig at soil boring (SB)-1.	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	Date: 10/4/22
Direction: Southeast	PHOTOGRAPHER	Thomas Kaley	



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows sand/bedrock in the DPT shoe at SB-1.	2
	CLIENT	EPA	Date: 10/4/22
Direction: Not applicable (N/A)	PHOTOGRAPHER	Thomas Kaley	



**Phase II Environmental Site Assessment  
Photographic Documentation Log  
Nevada Habilitation Site – Nevada, Missouri**



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows the DPT rig at SB-2.	3
	CLIENT	EPA	Date: 10/4/22
Direction: West	PHOTOGRAPHER	Thomas Kaley	



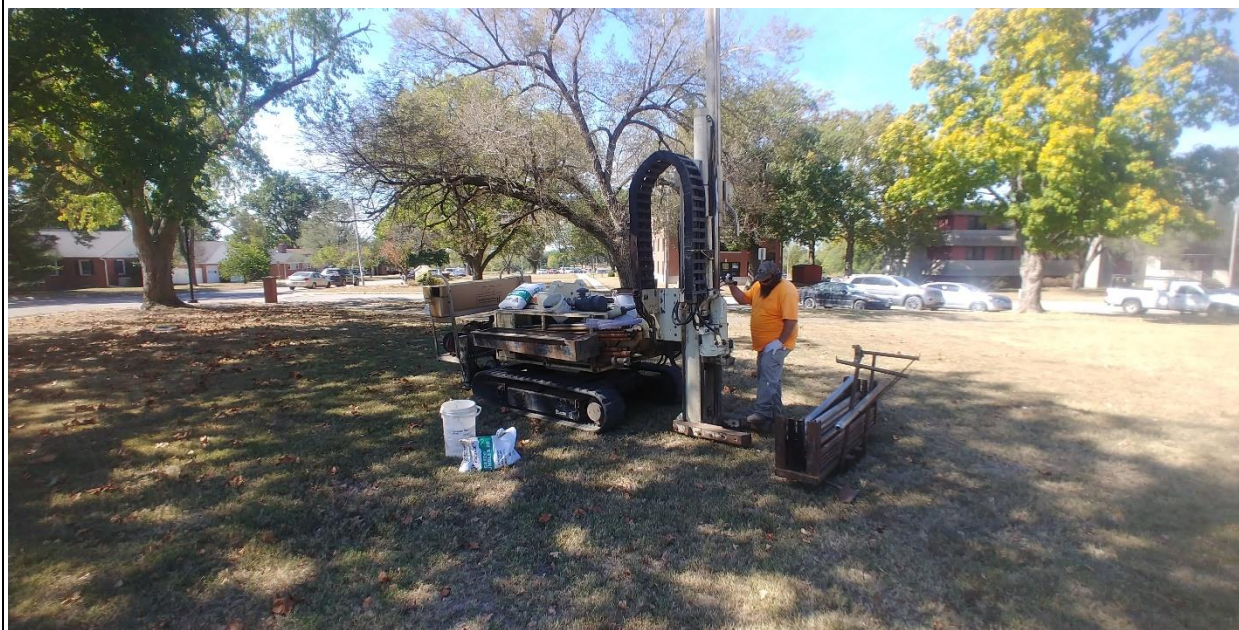
SUBTASK NO. 011.03	DESCRIPTION	This photograph shows the DPT rig at SB-3.	4
	CLIENT	EPA	Date: 10/4/22
Direction: Southwest	PHOTOGRAPHER	Thomas Kaley	



**Phase II Environmental Site Assessment  
Photographic Documentation Log  
Nevada Habilitation Site – Nevada, Missouri**



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows a soil core with the dry clay/bedrock encountered at refusal [11 feet below ground surface (bgs)] at SB-3.	5
	CLIENT	EPA	Date: 10/4/22
Direction: N/A	PHOTOGRAPHER	Thomas Kaley	



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows the DPT rig at SB-3.	6
	CLIENT	EPA	Date: 10/4/22
Direction: Southwest	PHOTOGRAPHER	Thomas Kaley	



**Phase II Environmental Site Assessment  
Photographic Documentation Log  
Nevada Habilitation Site – Nevada, Missouri**



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows the DPT shoe with the concrete encountered at refusal (6 feet bgs) at the original location of SB-4.	7
	CLIENT	EPA	Date: 10/4/22
Direction: N/A	PHOTOGRAPHER	Thomas Kaley	



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows soil cores from the original location of SB-4 with fill material.	8
	CLIENT	EPA	Date: 10/4/22
Direction: N/A	PHOTOGRAPHER	Thomas Kaley	

**Phase II Environmental Site Assessment  
Photographic Documentation Log  
Nevada Habilitation Site – Nevada, Missouri**



SUBTASK NO. 011.03	DESCRIPTION	This photograph shows carpet found in the core at a depth of 1 foot bgs from SB-5.	9
	CLIENT	EPA	Date: 10/4/22
Direction: N/A	PHOTOGRAPHER	Thomas Kaley	

## **APPENDIX C**

### **LOGBOOK AND SOIL BORING LOGS**

KS1914



*Rite in the Rain®*

ALL-WEATHER

**LEVEL**

Nº 311FX

Nevada Habilitation

103665210190.011



0800 T. Kaley arrived on site with Plains, discussed Health and safety and sample plan.

0835 Collected soil-gas sample SG-1-(5-6)

Can ID: 738

Starting P: -29 Ending P: -5

Start

0846 Began drilling SB-1

0900 Collected sample SB-1-(0-3)

0910 DPT could not get past 10 ft. Moving 5 ft ~~west~~ south west to attempt a deeper boring

0920 Deeper boring ~~was~~ successful, as was an attempt to use groundwater level to go deeper.

0930 Collected sample SB-1-(7-8) moving to next location.

1000 Collected soil-gas sample SG-2-(5-6)

~~The~~ tight soil led to approximately 5-7 minutes of collection time.

Can ID: 160

Start P: -30 End P: -5

1010 Began boring SB-2

1035 Collected SB-2-(0-3)

1040 Collected SB-2-(7-10)

1100 Attempted GW sample at NW most

Location Refusal at 8.5 ft

1120 Began boring SB-3

1130 Collected sample SB-3-(0-3)

1200 Took Lunch

1320 Collected soil-gas sample

SG-3-(5-6)

Can ID: 3997

Start P: -30 End P: -5

1345 Collected Soil-gas Sample

SG-4-(3-5.5) Refusal at

5.5 ft, very tight formation so rod was pulled up to increase void space.

Can ID: 817

Starting P: -29 End P: -5

1410 Began boring SB-4 but hit refusal at 4 ft abruptly. core pulled out shows tile laminant over concrete. Relocating closer to building in grass

1420 Attempting new location for SB-4

1445 Collected sample SB-4-(0-3)

1450 Collected sample SB-4-(3-5.5)

1520 Collected soil-gas sample

SG-5-(5-6)

*Rite in the Rain*



CON ID: 295

Starting P: -30 End P: -5

1535 Collected Sample SB-5-(0-3)  
and SB-5-(0-5)-DVI

1545 Collected Sample SB-5-(3-6)

1605 Collected Soil Gas Sample SB-6-(5-6)

Can ID: 1445

Starting P: -30 End P: -5

1615 Collected Sample SB-6-(0-3)

1625 Collected Sample SB-6-(6-9)

1635 Crew Packed up and leaving for the day. Nearly all samples reached refusal between 8-11 ft bgs. All samples had high sand content that was very fine grained. Very few samples appeared to contain fill material with the only sample with fill that was obvious was SB-4.

1640 T. Kaley finished for the day, leaving site.

10/4/22

0805 T. Kaley arrived on site. Discussed plan with plains crew. Mobilized to final soil and soil-gas location.

0835 Collected Soil Gas Sample

SG-7-(5-6)

Can ID: 129

Starting P: -30 End P: -5

0900 Collected Sample SB-7-(0-3)

0910 Collected Sample SB-7-(4-7)

0920 Attempting to collect groundwater samples at southern locations.

1020 The five remaining groundwater samples were attempted, however no boring depth was deeper than 10 ft, so no groundwater was encountered. Refusal depths ranged from 4-10 ft.

1025 Plains loading up rig and equipment. T. Kaley leaving site for Des Moines. KC Office.

## Boring Log Form

Site Name: Nevada Habilitation Site

Boring Number: SB-1

Date Drilled (Start/Finish): 10/4/2022

Drilling Method: Direct Push Technology

Drilling Company: Plains Environmental

Elevation:

Total Depth: 8 ft

Coordinates: 37.860627,-94.361544

Depth to Water: NA

Geologist: Thomas Kaley

Project Number:

Weather: Clear

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
0-3	0-5	75%	0		Brown	CL		Soft brown top soil becoming slightly hard, slightly sandy clay near 3 feet and becoming hard reddish, sandy clay at 5 feet.
			0		Brown			
7-8	7-8	5-7	0	4	Brown	SP		Hard fine-grained compacted sand, areas of white sand within, becoming tan near 7 feet. At 8 feet, very fine-grained, tan and white sand. Very well compacted.
			0		Red			
			0		Red			
			0		Tan			
			0	8	Tan			
				12				
				16				
				20				
				24				
				28				

## Boring Log Form

Site Name: Nevada Habilitation Site

Boring Number: SB-2

Date Drilled (Start/Finish): 10/4/2022

Drilling Method: Direct Push Technology

Drilling Company: Plains Environmental

Elevation:

Total Depth: 10 ft

Coordinates: 37.861205, -94.361894

Depth to Water: NA

Geologist: Thomas Kaley

Project Number:

Weather: Clear

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
0-3	0-5	100%	0		Light Brown	FILL		1 foot of top soil, small chunks of concrete at 1 foot. Becoming fine-grained, slightly reddish sand to 3 feet, then becoming brown, hard sandy clay to 5 feet.
			0					
5-10	100%		0					Brown, slightly reddish, sandy clay, slightly hard becoming reddish, sandy clay to 9 feet.
			0	4	Brown			
			0		Brown			
			0		Brown			
			0		Brown			
			0					
			0	8	Red			
			0		Red			
			0		Tan	SP		
			0					
				12				Tan, very fine-grained sand to 10 feet.
				16				
				20				Refusal at 10.5 feet.
				24				
				28				

## Boring Log Form

Site Name: Nevada Habilitation Site

Boring Number: SB-3

Date Drilled (Start/Finish): 10/4/2022

Drilling Method: Direct Push Technology

Drilling Company: Plains Environmental

Elevation:

Total Depth: 11 ft

Coordinates: 37.860722,-94.362136

Depth to Water: NA

Geologist: Thomas Kaley

Project Number:

Weather: Clear

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
10-11	0-3	100%	0	4	Brown	FILL		Very loose sandy soil with concrete fill layer at approximately 3.5 feet, then dark brown hard sandy clay.
	0							
	0							
	0							
	0		8	Dark Brown	CL	Dark brown, sandy clay to 6.5 feet then becoming brown and reddish, sandy clay, slightly hard to 9 feet, then very hard, highly compacted fine-grained whitish sand.		
	0							
	0							
	0							
	0		12	Reddish Brown	SP	1 foot of slough, then tan, fine-grained sand to 11 feet.		
	0							
	0							
	0							
	0		28	Tan		Refusal at 11 feet		
	0							
	0							
	0							
	0							
	0							
	0							
	0							
	0							
	0							
	0							
	0							

# Boring Log Form

**Site Name: Nevada Habilitation Site**

**Boring Number: SB-4**

**Date Drilled (Start/Finish): 10/4/2022**

### Drilling Method: Direct Push Technology

**Drilling Company: Plains Environmental**

**Elevation:**

**Total Depth: 6 ft**

**Coordinates: 37.860541,-94.361083**

**Depth to Water: NA**

**Geologist: Thomas Kaley**

**Project Number:**

**Weather: Clear**

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks	
0-3	0-5	100%	0.1		Brown	FILL		Very hard, brown sandy soil, highly compacted with chunks of brick , rock, floor tile, and concrete throughout. Large zone of brick at 4 feet.	
			0		Red Brown				
			0						
			0						
			0	4					
	5-6	100%	0		Tan			Very fine, tan compacted sand with more brick and concrete beneath. Refusal was reached at 5.5 feet. Bottom of bore is a mix of brick and sand.	
			0						
			0						
			0						
			0	8					
						12			Refusal at 6 feet
						16			
						20			
						24			
						28			

# Boring Log Form

**Site Name: Nevada Habilitation Site**

**Boring Number: SB-5**

**Date Drilled (Start/Finish): 10/4/2022**

### Drilling Method: Direct Push Technology

**Drilling Company: Plains Environmental**

**Elevation:**

**Total Depth: 6 ft**

**Coordinates: 37.860588,-94.360544**

**Depth to Water: NA**

**Geologist: Thomas Kaley**

**Project Number:**

**Weather: Clear**

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
0-3 (Dup)  3-6	0-5	100%	0		Brown	FILL		Brown, sandy soil becoming slightly reddish toward 5 feet. Fine-grained, slightly hard. Small pieces of concrete and carpeting at 1 foot. Copper wire found at 5 feet.
			0					
	0		4			Refusal at 6 feet		
	0							
	0							
	0							
	8							
	12							
	16							
	20							
24								
28								

## Boring Log Form

Site Name: Nevada Habilitation Site

Boring Number: SB-6

Date Drilled (Start/Finish): 10/4/2022

Drilling Method: Direct Push Technology

Drilling Company: Plains Environmental

Elevation:

Total Depth: 6 ft

Coordinates: 37.861122,-94.360027

Depth to Water: NA

Geologist: Thomas Kaley

Project Number:

Weather: Clear

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks	
0-3	0-5	100%	0		Brown	CL/SP		Slightly hard, sandy soil to 2 feet, brown, fine-grained, then becoming soft and then slightly hard again at 3.5 feet. Sand becomes reddish brown to 5 feet.	
			0						
			0		Brown w/Red			SP	1 foot of slough, then brown with red streaks, sandy soil, very soft becoming light brown to tan from 6 feet to 9 feet. Bottom of sleeve appears to be weathered shale.
			0	4					
			0		Brown	SP		Refusal at 6 feet.	
			0						
			0						
			0						
			0						
			0	8					
			0						
			0						
0	12								
0									
0	16								
0									
0	20								
0									
0									
0	24								
0									
0									
0	28								
0									

# Boring Log Form

**Site Name: Nevada Habilitation Site                      Boring Number: SB-7**

**Boring Number: SB-7**

**Date Drilled (Start/Finish): 10/5/2022**

**Drilling Method: Direct Push Technology**

**Drilling Company: Plains Environmental**

<b>Elevation:</b>	<b>Total Depth: 7 ft</b>
-------------------	--------------------------

**Total Depth: 7 ft**

Coordinates: 37.858480,-94.358758

**Depth to Water:** NA                      **Geologist:** Thomas Kaley

Geologist: Thomas Kaley

<b>Project Number:</b>	<b>Weather: Clear</b>
------------------------	-----------------------

Weather: Clear
----------------

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
0-3	0-5	100%	0	4	Brown	CL		1.5 feet of top soil becoming hard, slightly sandy clay, brown with red streaks, remaining hard throughout to 5 feet where it becomes grey and sandy, fine-grained.
			0		Brown w/Red			
4-7	5-7	100%	0	8	Brown	Sh		Soft brown, crumbly, slightly sandy, weathered shale, highly compacted. Refusal at 7 feet.
			0					
			0					Refusal at 7 feet.
			0					
			0					
			0					
			0					
			0					
				12				
				16				
				20				
				24				
				28				



## **APPENDIX D**

### **ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS**

October 24, 2022

Kaitlyn Mitchell  
Tetra Tech EMI  
415 Oak  
Kansas City, MO 64106

RE: Project: NEVADA HABILITATION  
Pace Project No.: 60412140

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jamie Church  
jamie.church@pacelabs.com  
314-838-7223  
Project Manager

Enclosures

cc: Emily Fisher, TETRA TECH EMI



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

---

### **Pace Analytical Services Kansas**

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 22-031-0

Illinois Certification #: 2000302021-3

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212023-1

Oklahoma Certification #: 2022-057

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-21-15

Utah Certification #: KS000212022-12

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60412140001	SB-1-(0-3)	Solid	10/04/22 09:00	10/05/22 14:37
60412140002	SB-1-(7-8)	Solid	10/04/22 09:30	10/05/22 14:37
60412140003	SB-2-(0-3)	Solid	10/04/22 10:35	10/05/22 14:37
60412140004	SB-2-(7-10)	Solid	10/04/22 10:40	10/05/22 14:37
60412140005	SB-3-(0-3)	Solid	10/04/22 11:30	10/05/22 14:37
60412140006	SB-3-(10-11)	Solid	10/04/22 11:45	10/05/22 14:37
60412140007	SB-4-(0-3)	Solid	10/04/22 14:45	10/05/22 14:37
60412140008	SB-4-(3-5.5)	Solid	10/04/22 14:50	10/05/22 14:37
60412140009	SB-5-(0-3)	Solid	10/04/22 15:35	10/05/22 14:37
60412140010	SB-5-(0-3)-DUP	Solid	10/04/22 15:35	10/05/22 14:37
60412140011	SB-5-(3-6)	Solid	10/04/22 15:45	10/05/22 14:37
60412140012	SB-6-(0-3)	Solid	10/04/22 16:15	10/05/22 14:37
60412140013	SB-6-(6-9)	Solid	10/04/22 16:25	10/05/22 14:37
60412140014	SB-7-(0-3)	Solid	10/05/22 09:00	10/05/22 14:37
60412140015	SB-7-(4-7)	Solid	10/05/22 09:10	10/05/22 14:37
60412140016	TRIP BLANK	Solid	10/05/22 12:45	10/05/22 14:37

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60412140001	SB-1-(0-3)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60412140002	SB-1-(7-8)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60412140003	SB-2-(0-3)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60412140004	SB-2-(7-10)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60412140005	SB-3-(0-3)	EPA 8082	CAA	8	PASI-K

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60412140006	SB-3-(10-11)	EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60412140007	SB-4-(0-3)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
60412140008	SB-4-(3-5.5)	ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
60412140009	SB-5-(0-3)	EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60412140010	SB-5-(0-3)-DUP	EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JLO	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
60412140011	SB-5-(3-6)	EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
60412140012	SB-6-(0-3)	EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
60412140013	SB-6-(6-9)	ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K

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## SAMPLE ANALYTE COUNT

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60412140014	SB-7-(0-3)	EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
60412140015	SB-7-(4-7)	ASTM D2974	DWC	1	PASI-K
		EPA 8082	CAA	8	PASI-K
		EPA 6010	JDS	6	PASI-K
		EPA 6020	JGP	16	PASI-K
		EPA 7471	ALH	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	SJJ	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
60412140016	TRIP BLANK	EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(0-3) Lab ID: 60412140001 Collected: 10/04/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 17:53	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	55	%	20-120	1	10/06/22 08:02	10/10/22 17:53	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	8590	mg/kg	7.8	1	10/07/22 08:31	10/11/22 16:06	7429-90-5	M1
Calcium	1620	mg/kg	20.7	1	10/07/22 08:31	10/11/22 16:06	7440-70-2	
Iron	9050	mg/kg	5.2	1	10/07/22 08:31	10/11/22 16:06	7439-89-6	M1
Magnesium	831	mg/kg	5.2	1	10/07/22 08:31	10/11/22 16:06	7439-95-4	
Potassium	690	mg/kg	51.8	1	10/07/22 08:31	10/11/22 16:06	7440-09-7	M1
Sodium	ND	mg/kg	51.8	1	10/07/22 08:31	10/11/22 16:06	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-36-0	M1
Arsenic	3.6	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-38-2	
Barium	118	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-39-3	M1
Beryllium	ND	mg/kg	0.52	10	10/07/22 08:31	10/18/22 16:31	7440-41-7	
Cadmium	ND	mg/kg	0.52	10	10/07/22 08:31	10/18/22 16:31	7440-43-9	
Chromium	10.6	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-47-3	
Cobalt	4.5	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-48-4	
Copper	5.1	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-50-8	
Lead	9.2	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7439-92-1	
Manganese	217	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7439-96-5	M1
Nickel	6.8	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-02-0	
Selenium	1.3	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7782-49-2	
Silver	ND	mg/kg	0.52	10	10/07/22 08:31	10/18/22 16:31	7440-22-4	
Thallium	ND	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-28-0	
Vanadium	21.7	mg/kg	1.0	10	10/07/22 08:31	10/18/22 16:31	7440-62-2	
Zinc	22.9	mg/kg	10.4	10	10/07/22 08:31	10/18/22 16:31	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/14/22 15:50	10/17/22 10:22	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(0-3) Lab ID: 60412140001 Collected: 10/04/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	83-32-9	
Acenaphthylene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	208-96-8	
Anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	207-08-9	
Benzoic Acid	ND	ug/kg	1760	1	10/06/22 14:38	10/12/22 23:37	65-85-0	
Benzyl alcohol	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	85-68-7	
Carbazole	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	59-50-7	
4-Chloroaniline	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	108-60-1	
2-Chloronaphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	91-58-7	
2-Chlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	7005-72-3	
Chrysene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	53-70-3	
Dibenzofuran	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	120-83-2	
Diethylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	105-67-9	
Dimethylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	1	10/06/22 14:38	10/12/22 23:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/12/22 23:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	117-81-7	
Fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	206-44-0	
Fluorene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	77-47-4	
Hexachloroethane	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	67-72-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(0-3) Lab ID: 60412140001 Collected: 10/04/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	193-39-5	
Isophorone	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	78-59-1	
2-Methylnaphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	15831-10-4	
Naphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	91-20-3	
2-Nitroaniline	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	88-74-4	
3-Nitroaniline	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	99-09-2	
4-Nitroaniline	ND	ug/kg	694	1	10/06/22 14:38	10/12/22 23:37	100-01-6	
Nitrobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	98-95-3	
2-Nitrophenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/12/22 23:37	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	86-30-6	
Pentachlorophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/12/22 23:37	87-86-5	
Phenanthrene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	85-01-8	
Phenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	108-95-2	
Pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	129-00-0	
Pyridine	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/12/22 23:37	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	77	%	30-120	1	10/06/22 14:38	10/12/22 23:37	4165-60-0	
2-Fluorobiphenyl (S)	67	%	40-120	1	10/06/22 14:38	10/12/22 23:37	321-60-8	
Terphenyl-d14 (S)	65	%	45-120	1	10/06/22 14:38	10/12/22 23:37	1718-51-0	
Phenol-d6 (S)	69	%	40-120	1	10/06/22 14:38	10/12/22 23:37	13127-88-3	
2-Fluorophenol (S)	69	%	40-120	1	10/06/22 14:38	10/12/22 23:37	367-12-4	
2,4,6-Tribromophenol (S)	76	%	35-120	1	10/06/22 14:38	10/12/22 23:37	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	27.9	mg/kg	15.9	1	10/06/22 14:35	10/10/22 15:42		
TPH-DRO	ND	mg/kg	15.9	1	10/06/22 14:35	10/10/22 15:42		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	59	%	35-120	1	10/06/22 14:35	10/10/22 15:42	4165-60-0	
2-Fluorobiphenyl (S)	63	%	50-120	1	10/06/22 14:35	10/10/22 15:42	321-60-8	
Terphenyl-d14 (S)	75	%	45-120	1	10/06/22 14:35	10/10/22 15:42	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	20.5	1	10/06/22 10:24	10/06/22 11:30	67-64-1	
Benzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(0-3) Lab ID: 60412140001 Collected: 10/04/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-27-4	
Bromoform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-25-2	
Bromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 11:30	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.6	1	10/06/22 10:24	10/06/22 11:30	98-06-6	
Carbon disulfide	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	108-90-7	
Chloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-00-3	
Chloroform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	67-66-3	
Chloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 11:30	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	87-68-3	
2-Hexanone	ND	ug/kg	20.5	1	10/06/22 10:24	10/06/22 11:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	99-87-6	
Methylene Chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 11:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	1634-04-4	
Naphthalene	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 11:30	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	103-65-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(0-3) Lab ID: 60412140001 Collected: 10/04/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	127-18-4	
Toluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 11:30	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	80-120	1	10/06/22 10:24	10/06/22 11:30	2037-26-5	
4-Bromofluorobenzene (S)	91	%	80-125	1	10/06/22 10:24	10/06/22 11:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 11:30	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.51	1	10/06/22 10:24	10/06/22 11:30		
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	78-122	1	10/06/22 10:24	10/06/22 11:30	2037-26-5	
4-Bromofluorobenzene (S)	91	%	69-133	1	10/06/22 10:24	10/06/22 11:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 11:30	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	7.2	%	0.50	1		10/06/22 09:36		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(7-8) Lab ID: 60412140002 Collected: 10/04/22 09:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.2	1	10/06/22 08:02	10/10/22 18:29	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	55	%	20-120	1	10/06/22 08:02	10/10/22 18:29	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	7540	mg/kg	5.9	1	10/07/22 08:31	10/11/22 16:12	7429-90-5	
Calcium	818	mg/kg	15.8	1	10/07/22 08:31	10/11/22 16:12	7440-70-2	
Iron	8490	mg/kg	3.9	1	10/07/22 08:31	10/11/22 16:12	7439-89-6	
Magnesium	1230	mg/kg	3.9	1	10/07/22 08:31	10/11/22 16:12	7439-95-4	
Potassium	1100	mg/kg	39.4	1	10/07/22 08:31	10/11/22 16:12	7440-09-7	
Sodium	40.6	mg/kg	39.4	1	10/07/22 08:31	10/11/22 16:12	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-36-0	
Arsenic	2.6	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-38-2	
Barium	36.6	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-39-3	
Beryllium	ND	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:52	7440-41-7	
Cadmium	ND	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:52	7440-43-9	
Chromium	11.5	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-47-3	
Cobalt	4.2	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-48-4	
Copper	8.0	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-50-8	
Lead	5.4	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7439-92-1	
Manganese	71.7	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7439-96-5	
Nickel	11.0	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-02-0	
Selenium	1.3	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7782-49-2	
Silver	ND	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:52	7440-22-4	
Thallium	ND	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-28-0	
Vanadium	13.7	mg/kg	0.79	10	10/07/22 08:31	10/18/22 16:52	7440-62-2	
Zinc	44.7	mg/kg	7.9	10	10/07/22 08:31	10/18/22 16:52	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.047	1	10/14/22 15:50	10/17/22 10:29	7439-97-6	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Project No.: 60412140

Sample: SB-1-(7-8) Lab ID: 60412140002 Collected: 10/04/22 09:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	83-32-9	
Acenaphthylene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	208-96-8	
Anthracene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	120-12-7	
Benzo(a)anthracene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	56-55-3	
Benzo(a)pyrene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	207-08-9	
Benzoic Acid	ND	ug/kg	1830	1	10/06/22 14:38	10/12/22 23:59	65-85-0	
Benzyl alcohol	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	85-68-7	
Carbazole	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	59-50-7	
4-Chloroaniline	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	91-58-7	
2-Chlorophenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	7005-72-3	
Chrysene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	53-70-3	
Dibenzofuran	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	120-83-2	
Diethylphthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	105-67-9	
Dimethylphthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	1	10/06/22 14:38	10/12/22 23:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1	10/06/22 14:38	10/12/22 23:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	117-81-7	
Fluoranthene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	206-44-0	
Fluorene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	87-68-3	
Hexachlorobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	77-47-4	
Hexachloroethane	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-1-(7-8)**      **Lab ID: 60412140002**      Collected: 10/04/22 09:30      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	193-39-5	
Isophorone	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	78-59-1	
2-Methylnaphthalene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	15831-10-4	
Naphthalene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	91-20-3	
2-Nitroaniline	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	88-74-4	
3-Nitroaniline	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	99-09-2	
4-Nitroaniline	ND	ug/kg	724	1	10/06/22 14:38	10/12/22 23:59	100-01-6	
Nitrobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	98-95-3	
2-Nitrophenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	1	10/06/22 14:38	10/12/22 23:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	86-30-6	
Pentachlorophenol	ND	ug/kg	1830	1	10/06/22 14:38	10/12/22 23:59	87-86-5	
Phenanthrene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	85-01-8	
Phenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	108-95-2	
Pyrene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	129-00-0	
Pyridine	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	1	10/06/22 14:38	10/12/22 23:59	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	79	%	30-120	1	10/06/22 14:38	10/12/22 23:59	4165-60-0	
2-Fluorobiphenyl (S)	70	%	40-120	1	10/06/22 14:38	10/12/22 23:59	321-60-8	
Terphenyl-d14 (S)	69	%	45-120	1	10/06/22 14:38	10/12/22 23:59	1718-51-0	
Phenol-d6 (S)	72	%	40-120	1	10/06/22 14:38	10/12/22 23:59	13127-88-3	
2-Fluorophenol (S)	72	%	40-120	1	10/06/22 14:38	10/12/22 23:59	367-12-4	
2,4,6-Tribromophenol (S)	83	%	35-120	1	10/06/22 14:38	10/12/22 23:59	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	25.5	mg/kg	16.1	1	10/06/22 14:35	10/10/22 16:40		
TPH-DRO	ND	mg/kg	16.1	1	10/06/22 14:35	10/10/22 16:40		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	61	%	35-120	1	10/06/22 14:35	10/10/22 16:40	4165-60-0	
2-Fluorobiphenyl (S)	66	%	50-120	1	10/06/22 14:35	10/10/22 16:40	321-60-8	
Terphenyl-d14 (S)	78	%	45-120	1	10/06/22 14:35	10/10/22 16:40	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 11:46	67-64-1	
Benzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(7-8) Lab ID: 60412140002 Collected: 10/04/22 09:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-27-4	
Bromoform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-25-2	
Bromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 11:46	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.8	1	10/06/22 10:24	10/06/22 11:46	98-06-6	
Carbon disulfide	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	108-90-7	
Chloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-00-3	
Chloroform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	67-66-3	
Chloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 11:46	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	87-68-3	
2-Hexanone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 11:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 11:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	1634-04-4	
Naphthalene	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 11:46	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	103-65-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-1-(7-8) Lab ID: 60412140002 Collected: 10/04/22 09:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	127-18-4	
Toluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	75-01-4	
Xylene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 11:46	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 11:46	2037-26-5	
4-Bromofluorobenzene (S)	90	%	80-125	1	10/06/22 10:24	10/06/22 11:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 11:46	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.52	1	10/06/22 10:24	10/06/22 11:46		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 11:46	2037-26-5	
4-Bromofluorobenzene (S)	90	%	69-133	1	10/06/22 10:24	10/06/22 11:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 11:46	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	9.5	%	0.50	1		10/06/22 09:36		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(0-3) Lab ID: 60412140003 Collected: 10/04/22 10:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.7	1	10/06/22 08:02	10/10/22 19:40	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	56	%	20-120	1	10/06/22 08:02	10/10/22 19:40	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	7570	mg/kg	5.9	1	10/07/22 08:31	10/11/22 16:14	7429-90-5	
Calcium	1810	mg/kg	15.6	1	10/07/22 08:31	10/11/22 16:14	7440-70-2	
Iron	10300	mg/kg	3.9	1	10/07/22 08:31	10/11/22 16:14	7439-89-6	
Magnesium	763	mg/kg	3.9	1	10/07/22 08:31	10/11/22 16:14	7439-95-4	
Potassium	632	mg/kg	39.0	1	10/07/22 08:31	10/11/22 16:14	7440-09-7	
Sodium	ND	mg/kg	39.0	1	10/07/22 08:31	10/11/22 16:14	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-36-0	
Arsenic	5.1	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-38-2	
Barium	146	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-39-3	
Beryllium	0.50	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:57	7440-41-7	
Cadmium	ND	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:57	7440-43-9	
Chromium	12.4	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-47-3	
Cobalt	5.2	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-48-4	
Copper	5.6	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-50-8	
Lead	18.4	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7439-92-1	
Manganese	314	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7439-96-5	
Nickel	5.9	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-02-0	
Selenium	1.3	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7782-49-2	
Silver	ND	mg/kg	0.39	10	10/07/22 08:31	10/18/22 16:57	7440-22-4	
Thallium	ND	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-28-0	
Vanadium	27.7	mg/kg	0.78	10	10/07/22 08:31	10/18/22 16:57	7440-62-2	
Zinc	46.7	mg/kg	7.8	10	10/07/22 08:31	10/18/22 16:57	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.048	1	10/14/22 15:50	10/17/22 10:31	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(0-3) Lab ID: 60412140003 Collected: 10/04/22 10:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	83-32-9	
Acenaphthylene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	208-96-8	
Anthracene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 01:04	65-85-0	
Benzyl alcohol	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	85-68-7	
Carbazole	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	59-50-7	
4-Chloroaniline	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	91-58-7	
2-Chlorophenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	7005-72-3	
Chrysene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	53-70-3	
Dibenzofuran	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	120-83-2	
Diethylphthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	105-67-9	
Dimethylphthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 01:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 01:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	117-81-7	
Fluoranthene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	206-44-0	
Fluorene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	77-47-4	
Hexachloroethane	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(0-3) Lab ID: 60412140003 Collected: 10/04/22 10:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

Indeno(1,2,3-cd)pyrene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	193-39-5	
Isophorone	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	78-59-1	
2-Methylnaphthalene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	15831-10-4	
Naphthalene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	91-20-3	
2-Nitroaniline	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	88-74-4	
3-Nitroaniline	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	99-09-2	
4-Nitroaniline	ND	ug/kg	764	1	10/06/22 14:38	10/13/22 01:04	100-01-6	
Nitrobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	98-95-3	
2-Nitrophenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 01:04	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 01:04	87-86-5	
Phenanthrene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	85-01-8	
Phenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	108-95-2	
Pyrene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	129-00-0	
Pyridine	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	1	10/06/22 14:38	10/13/22 01:04	88-06-2	

### Surrogates

Nitrobenzene-d5 (S)	76	%	30-120	1	10/06/22 14:38	10/13/22 01:04	4165-60-0	
2-Fluorobiphenyl (S)	67	%	40-120	1	10/06/22 14:38	10/13/22 01:04	321-60-8	
Terphenyl-d14 (S)	70	%	45-120	1	10/06/22 14:38	10/13/22 01:04	1718-51-0	
Phenol-d6 (S)	67	%	40-120	1	10/06/22 14:38	10/13/22 01:04	13127-88-3	
2-Fluorophenol (S)	66	%	40-120	1	10/06/22 14:38	10/13/22 01:04	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120	1	10/06/22 14:38	10/13/22 01:04	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	20.5	mg/kg	17.6	1	10/06/22 14:35	10/10/22 16:59		
TPH-DRO	ND	mg/kg	17.6	1	10/06/22 14:35	10/10/22 16:59		

### Surrogates

Nitrobenzene-d5 (S)	57	%	35-120	1	10/06/22 14:35	10/10/22 16:59	4165-60-0	
2-Fluorobiphenyl (S)	63	%	50-120	1	10/06/22 14:35	10/10/22 16:59	321-60-8	
Terphenyl-d14 (S)	69	%	45-120	1	10/06/22 14:35	10/10/22 16:59	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	33.4	ug/kg	20.7	1	10/06/22 10:24	10/06/22 12:02	67-64-1	
Benzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(0-3) Lab ID: 60412140003 Collected: 10/04/22 10:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-27-4	
Bromoform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-25-2	
Bromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.4	1	10/06/22 10:24	10/06/22 12:02	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.9	1	10/06/22 10:24	10/06/22 12:02	98-06-6	
Carbon disulfide	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	108-90-7	
Chloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-00-3	
Chloroform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	67-66-3	
Chloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.4	1	10/06/22 10:24	10/06/22 12:02	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	87-68-3	
2-Hexanone	ND	ug/kg	20.7	1	10/06/22 10:24	10/06/22 12:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.4	1	10/06/22 10:24	10/06/22 12:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	1634-04-4	
Naphthalene	ND	ug/kg	10.4	1	10/06/22 10:24	10/06/22 12:02	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(0-3) Lab ID: 60412140003 Collected: 10/04/22 10:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	127-18-4	
Toluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	75-01-4	
Xylene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:02	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 12:02	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-125	1	10/06/22 10:24	10/06/22 12:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:02	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.52	1	10/06/22 10:24	10/06/22 12:02		
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	78-122	1	10/06/22 10:24	10/06/22 12:02	2037-26-5	
4-Bromofluorobenzene (S)	93	%	69-133	1	10/06/22 10:24	10/06/22 12:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:02	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	15.7	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(7-10) Lab ID: 60412140004 Collected: 10/04/22 10:40 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.8	1	10/06/22 08:02	10/10/22 20:15	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	55	%	20-120	1	10/06/22 08:02	10/10/22 20:15	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	10600	mg/kg	5.6	1	10/07/22 08:31	10/11/22 16:16	7429-90-5	
Calcium	782	mg/kg	14.9	1	10/07/22 08:31	10/11/22 16:16	7440-70-2	
Iron	16000	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:16	7439-89-6	
Magnesium	1520	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:16	7439-95-4	
Potassium	1070	mg/kg	37.3	1	10/07/22 08:31	10/11/22 16:16	7440-09-7	
Sodium	39.6	mg/kg	37.3	1	10/07/22 08:31	10/11/22 16:16	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-36-0	
Arsenic	1.7	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-38-2	
Barium	88.2	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-39-3	
Beryllium	0.55	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:03	7440-41-7	
Cadmium	4.2	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:03	7440-43-9	
Chromium	12.4	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-47-3	
Cobalt	36.6	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-48-4	
Copper	10.4	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-50-8	
Lead	16.9	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7439-92-1	
Manganese	1510	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7439-96-5	
Nickel	60.4	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-02-0	
Selenium	1.6	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7782-49-2	
Silver	ND	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:03	7440-22-4	
Thallium	ND	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-28-0	
Vanadium	15.9	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:03	7440-62-2	
Zinc	142	mg/kg	7.5	10	10/07/22 08:31	10/18/22 17:03	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/14/22 15:50	10/17/22 10:33	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(7-10) Lab ID: 60412140004 Collected: 10/04/22 10:40 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	83-32-9	
Acenaphthylene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	208-96-8	
Anthracene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	207-08-9	
Benzoic Acid	ND	ug/kg	1840	1	10/06/22 14:38	10/13/22 01:26	65-85-0	
Benzyl alcohol	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	85-68-7	
Carbazole	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	59-50-7	
4-Chloroaniline	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	91-58-7	
2-Chlorophenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	7005-72-3	
Chrysene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	53-70-3	
Dibenzofuran	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	120-83-2	
Diethylphthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	105-67-9	
Dimethylphthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1840	1	10/06/22 14:38	10/13/22 01:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	1	10/06/22 14:38	10/13/22 01:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	117-81-7	
Fluoranthene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	206-44-0	
Fluorene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	77-47-4	
Hexachloroethane	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-2-(7-10)** **Lab ID: 60412140004** Collected: 10/04/22 10:40 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	193-39-5	
Isophorone	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	15831-10-4	
Naphthalene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	91-20-3	
2-Nitroaniline	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	88-74-4	
3-Nitroaniline	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	99-09-2	
4-Nitroaniline	ND	ug/kg	727	1	10/06/22 14:38	10/13/22 01:26	100-01-6	
Nitrobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	98-95-3	
2-Nitrophenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	1	10/06/22 14:38	10/13/22 01:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	1	10/06/22 14:38	10/13/22 01:26	87-86-5	
Phenanthrene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	85-01-8	
Phenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	108-95-2	
Pyrene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	129-00-0	
Pyridine	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	364	1	10/06/22 14:38	10/13/22 01:26	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	80	%	30-120	1	10/06/22 14:38	10/13/22 01:26	4165-60-0	
2-Fluorobiphenyl (S)	70	%	40-120	1	10/06/22 14:38	10/13/22 01:26	321-60-8	
Terphenyl-d14 (S)	70	%	45-120	1	10/06/22 14:38	10/13/22 01:26	1718-51-0	
Phenol-d6 (S)	74	%	40-120	1	10/06/22 14:38	10/13/22 01:26	13127-88-3	
2-Fluorophenol (S)	74	%	40-120	1	10/06/22 14:38	10/13/22 01:26	367-12-4	
2,4,6-Tribromophenol (S)	80	%	35-120	1	10/06/22 14:38	10/13/22 01:26	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.5	1	10/06/22 14:35	10/10/22 17:19		
TPH-DRO	ND	mg/kg	16.5	1	10/06/22 14:35	10/10/22 17:19		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	59	%	35-120	1	10/06/22 14:35	10/10/22 17:19	4165-60-0	
2-Fluorobiphenyl (S)	63	%	50-120	1	10/06/22 14:35	10/10/22 17:19	321-60-8	
Terphenyl-d14 (S)	71	%	45-120	1	10/06/22 14:35	10/10/22 17:19	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 12:19	67-64-1	
Benzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-2-(7-10) Lab ID: 60412140004 Collected: 10/04/22 10:40 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-27-4	
Bromoform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-25-2	
Bromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:19	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.8	1	10/06/22 10:24	10/06/22 12:19	98-06-6	
Carbon disulfide	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	108-90-7	
Chloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-00-3	
Chloroform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	67-66-3	
Chloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:19	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	87-68-3	
2-Hexanone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 12:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	1634-04-4	
Naphthalene	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:19	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-2-(7-10)** Lab ID: **60412140004** Collected: 10/04/22 10:40 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	127-18-4	
Toluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	75-01-4	
Xylene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:19	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:19	2037-26-5	
4-Bromofluorobenzene (S)	92	%	80-125	1	10/06/22 10:24	10/06/22 12:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:19	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.52	1	10/06/22 10:24	10/06/22 12:19		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 12:19	2037-26-5	
4-Bromofluorobenzene (S)	92	%	69-133	1	10/06/22 10:24	10/06/22 12:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:19	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	<b>10.7</b>	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(0-3) Lab ID: 60412140005 Collected: 10/04/22 11:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 20:51	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	58	%	20-120	1	10/06/22 08:02	10/10/22 20:51	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	9350	mg/kg	6.5	1	10/07/22 08:31	10/11/22 16:24	7429-90-5	
Calcium	2500	mg/kg	17.3	1	10/07/22 08:31	10/11/22 16:24	7440-70-2	
Iron	16800	mg/kg	4.3	1	10/07/22 08:31	10/11/22 16:24	7439-89-6	
Magnesium	1030	mg/kg	4.3	1	10/07/22 08:31	10/11/22 16:24	7439-95-4	
Potassium	1100	mg/kg	43.3	1	10/07/22 08:31	10/11/22 16:24	7440-09-7	
Sodium	ND	mg/kg	43.3	1	10/07/22 08:31	10/11/22 16:24	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-36-0	
Arsenic	8.3	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-38-2	
Barium	118	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-39-3	
Beryllium	0.60	mg/kg	0.43	10	10/07/22 08:31	10/18/22 17:08	7440-41-7	
Cadmium	3.3	mg/kg	0.43	10	10/07/22 08:31	10/18/22 17:08	7440-43-9	
Chromium	15.2	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-47-3	
Cobalt	6.9	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-48-4	
Copper	20.9	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-50-8	
Lead	241	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7439-92-1	
Manganese	181	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7439-96-5	
Nickel	14.8	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-02-0	
Selenium	1.3	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7782-49-2	
Silver	ND	mg/kg	0.43	10	10/07/22 08:31	10/18/22 17:08	7440-22-4	
Thallium	ND	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-28-0	
Vanadium	22.8	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:08	7440-62-2	
Zinc	717	mg/kg	8.7	10	10/07/22 08:31	10/18/22 17:08	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.17	mg/kg	0.042	1	10/14/22 15:50	10/17/22 10:36	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(0-3) Lab ID: 60412140005 Collected: 10/04/22 11:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	83-32-9	
Acenaphthylene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	208-96-8	
Anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	207-08-9	
Benzoic Acid	ND	ug/kg	1760	1	10/06/22 14:38	10/13/22 01:48	65-85-0	
Benzyl alcohol	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	101-55-3	
Butylbenzylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	85-68-7	
Carbazole	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	59-50-7	
4-Chloroaniline	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	108-60-1	
2-Chloronaphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	91-58-7	
2-Chlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	7005-72-3	
Chrysene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	53-70-3	
Dibenzofuran	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	120-83-2	
Diethylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	105-67-9	
Dimethylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	131-11-3	
Di-n-butylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	1	10/06/22 14:38	10/13/22 01:48	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/13/22 01:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	606-20-2	
Di-n-octylphthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	117-81-7	
Fluoranthene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	206-44-0	
Fluorene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	87-68-3	
Hexachlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	77-47-4	
Hexachloroethane	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	67-72-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(0-3) Lab ID: 60412140005 Collected: 10/04/22 11:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

Indeno(1,2,3-cd)pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	193-39-5	
Isophorone	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	78-59-1	
2-Methylnaphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	15831-10-4	
Naphthalene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	91-20-3	
2-Nitroaniline	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	88-74-4	
3-Nitroaniline	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	99-09-2	
4-Nitroaniline	ND	ug/kg	695	1	10/06/22 14:38	10/13/22 01:48	100-01-6	
Nitrobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	98-95-3	
2-Nitrophenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/13/22 01:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	86-30-6	
Pentachlorophenol	ND	ug/kg	1760	1	10/06/22 14:38	10/13/22 01:48	87-86-5	
Phenanthrene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	85-01-8	
Phenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	108-95-2	
Pyrene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	129-00-0	
Pyridine	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	347	1	10/06/22 14:38	10/13/22 01:48	88-06-2	

### Surrogates

Nitrobenzene-d5 (S)	96	%	30-120	1	10/06/22 14:38	10/13/22 01:48	4165-60-0	
2-Fluorobiphenyl (S)	85	%	40-120	1	10/06/22 14:38	10/13/22 01:48	321-60-8	
Terphenyl-d14 (S)	87	%	45-120	1	10/06/22 14:38	10/13/22 01:48	1718-51-0	
Phenol-d6 (S)	88	%	40-120	1	10/06/22 14:38	10/13/22 01:48	13127-88-3	
2-Fluorophenol (S)	86	%	40-120	1	10/06/22 14:38	10/13/22 01:48	367-12-4	
2,4,6-Tribromophenol (S)	99	%	35-120	1	10/06/22 14:38	10/13/22 01:48	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	59.2	mg/kg	15.6	1	10/06/22 14:35	10/10/22 17:38		
TPH-DRO	20.0	mg/kg	15.6	1	10/06/22 14:35	10/10/22 17:38		

### Surrogates

Nitrobenzene-d5 (S)	67	%	35-120	1	10/06/22 14:35	10/10/22 17:38	4165-60-0	
2-Fluorobiphenyl (S)	71	%	50-120	1	10/06/22 14:35	10/10/22 17:38	321-60-8	
Terphenyl-d14 (S)	86	%	45-120	1	10/06/22 14:35	10/10/22 17:38	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	21.8	1	10/06/22 10:24	10/06/22 12:35	67-64-1	
Benzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(0-3) Lab ID: 60412140005 Collected: 10/04/22 11:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-27-4	
Bromoform	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-25-2	
Bromomethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.9	1	10/06/22 10:24	10/06/22 12:35	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	27.2	1	10/06/22 10:24	10/06/22 12:35	98-06-6	
Carbon disulfide	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	108-90-7	
Chloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-00-3	
Chloroform	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	67-66-3	
Chloromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.9	1	10/06/22 10:24	10/06/22 12:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	87-68-3	
2-Hexanone	ND	ug/kg	21.8	1	10/06/22 10:24	10/06/22 12:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	99-87-6	
Methylene Chloride	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.9	1	10/06/22 10:24	10/06/22 12:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	1634-04-4	
Naphthalene	ND	ug/kg	10.9	1	10/06/22 10:24	10/06/22 12:35	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(0-3) Lab ID: 60412140005 Collected: 10/04/22 11:30 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	127-18-4	
Toluene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	108-67-8	
Vinyl chloride	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	75-01-4	
Xylene (Total)	ND	ug/kg	5.4	1	10/06/22 10:24	10/06/22 12:35	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 12:35	2037-26-5	
4-Bromofluorobenzene (S)	95	%	80-125	1	10/06/22 10:24	10/06/22 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	80-120	1	10/06/22 10:24	10/06/22 12:35	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.54	1	10/06/22 10:24	10/06/22 12:35		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 12:35	2037-26-5	
4-Bromofluorobenzene (S)	95	%	69-133	1	10/06/22 10:24	10/06/22 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	80-120	1	10/06/22 10:24	10/06/22 12:35	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	6.9	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(10-11) Lab ID: 60412140006 Collected: 10/04/22 11:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.9	1	10/06/22 08:02	10/10/22 21:27	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	59	%	20-120	1	10/06/22 08:02	10/10/22 21:27	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	9970	mg/kg	7.4	1	10/07/22 08:31	10/11/22 16:26	7429-90-5	
Calcium	2320	mg/kg	19.8	1	10/07/22 08:31	10/11/22 16:26	7440-70-2	
Iron	16500	mg/kg	5.0	1	10/07/22 08:31	10/11/22 16:26	7439-89-6	
Magnesium	1520	mg/kg	5.0	1	10/07/22 08:31	10/11/22 16:26	7439-95-4	
Potassium	1220	mg/kg	49.6	1	10/07/22 08:31	10/11/22 16:26	7440-09-7	
Sodium	57.6	mg/kg	49.6	1	10/07/22 08:31	10/11/22 16:26	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-36-0	
Arsenic	1.6	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-38-2	
Barium	37.1	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-39-3	
Beryllium	0.68	mg/kg	0.50	10	10/07/22 08:31	10/18/22 17:13	7440-41-7	
Cadmium	ND	mg/kg	0.50	10	10/07/22 08:31	10/18/22 17:13	7440-43-9	
Chromium	12.0	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-47-3	
Cobalt	19.1	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-48-4	
Copper	11.0	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-50-8	
Lead	8.4	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7439-92-1	
Manganese	421	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7439-96-5	
Nickel	20.3	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-02-0	
Selenium	1.1	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7782-49-2	
Silver	ND	mg/kg	0.50	10	10/07/22 08:31	10/18/22 17:13	7440-22-4	
Thallium	ND	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-28-0	
Vanadium	15.9	mg/kg	0.99	10	10/07/22 08:31	10/18/22 17:13	7440-62-2	
Zinc	73.7	mg/kg	9.9	10	10/07/22 08:31	10/18/22 17:13	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/14/22 15:50	10/17/22 10:38	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Project No.: 60412140

Sample: SB-3-(10-11) Lab ID: 60412140006 Collected: 10/04/22 11:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	83-32-9	
Acenaphthylene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	208-96-8	
Anthracene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	120-12-7	
Benzo(a)anthracene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	56-55-3	
Benzo(a)pyrene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	207-08-9	
Benzoic Acid	ND	ug/kg	1910	1	10/06/22 14:38	10/13/22 02:09	65-85-0	
Benzyl alcohol	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	85-68-7	
Carbazole	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	59-50-7	
4-Chloroaniline	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	91-58-7	
2-Chlorophenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	7005-72-3	
Chrysene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	53-70-3	
Dibenzofuran	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	120-83-2	
Diethylphthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	105-67-9	
Dimethylphthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1910	1	10/06/22 14:38	10/13/22 02:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	1	10/06/22 14:38	10/13/22 02:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	117-81-7	
Fluoranthene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	206-44-0	
Fluorene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	77-47-4	
Hexachloroethane	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	67-72-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-3-(10-11)**      **Lab ID: 60412140006**      Collected: 10/04/22 11:45      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

Indeno(1,2,3-cd)pyrene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	193-39-5	
Isophorone	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	15831-10-4	
Naphthalene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	91-20-3	
2-Nitroaniline	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	88-74-4	
3-Nitroaniline	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	99-09-2	
4-Nitroaniline	ND	ug/kg	754	1	10/06/22 14:38	10/13/22 02:09	100-01-6	
Nitrobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	98-95-3	
2-Nitrophenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	1	10/06/22 14:38	10/13/22 02:09	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	86-30-6	
Pentachlorophenol	ND	ug/kg	1910	1	10/06/22 14:38	10/13/22 02:09	87-86-5	
Phenanthrene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	85-01-8	
Phenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	108-95-2	
Pyrene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	129-00-0	
Pyridine	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	1	10/06/22 14:38	10/13/22 02:09	88-06-2	

### Surrogates

Nitrobenzene-d5 (S)	77	%	30-120	1	10/06/22 14:38	10/13/22 02:09	4165-60-0	
2-Fluorobiphenyl (S)	68	%	40-120	1	10/06/22 14:38	10/13/22 02:09	321-60-8	
Terphenyl-d14 (S)	69	%	45-120	1	10/06/22 14:38	10/13/22 02:09	1718-51-0	
Phenol-d6 (S)	69	%	40-120	1	10/06/22 14:38	10/13/22 02:09	13127-88-3	
2-Fluorophenol (S)	68	%	40-120	1	10/06/22 14:38	10/13/22 02:09	367-12-4	
2,4,6-Tribromophenol (S)	78	%	35-120	1	10/06/22 14:38	10/13/22 02:09	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	23.8	mg/kg	17.2	1	10/06/22 14:35	10/10/22 17:57		
TPH-DRO	ND	mg/kg	17.2	1	10/06/22 14:35	10/10/22 17:57		

### Surrogates

Nitrobenzene-d5 (S)	64	%	35-120	1	10/06/22 14:35	10/10/22 17:57	4165-60-0	
2-Fluorobiphenyl (S)	69	%	50-120	1	10/06/22 14:35	10/10/22 17:57	321-60-8	
Terphenyl-d14 (S)	81	%	45-120	1	10/06/22 14:35	10/10/22 17:57	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 12:51	67-64-1	
Benzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(10-11) Lab ID: 60412140006 Collected: 10/04/22 11:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-27-4	
Bromoform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-25-2	
Bromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.8	1	10/06/22 10:24	10/06/22 12:51	98-06-6	
Carbon disulfide	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	108-90-7	
Chloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-00-3	
Chloroform	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	67-66-3	
Chloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	87-68-3	
2-Hexanone	ND	ug/kg	20.6	1	10/06/22 10:24	10/06/22 12:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	1634-04-4	
Naphthalene	ND	ug/kg	10.3	1	10/06/22 10:24	10/06/22 12:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-3-(10-11) Lab ID: 60412140006 Collected: 10/04/22 11:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	127-18-4	
Toluene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	75-01-4	
Xylene (Total)	ND	ug/kg	5.2	1	10/06/22 10:24	10/06/22 12:51	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 12:51	2037-26-5	
4-Bromofluorobenzene (S)	90	%	80-125	1	10/06/22 10:24	10/06/22 12:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	10/06/22 10:24	10/06/22 12:51	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.52	1	10/06/22 10:24	10/06/22 12:51		
<b>Surrogates</b>								
Toluene-d8 (S)	101	%	78-122	1	10/06/22 10:24	10/06/22 12:51	2037-26-5	
4-Bromofluorobenzene (S)	90	%	69-133	1	10/06/22 10:24	10/06/22 12:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	10/06/22 10:24	10/06/22 12:51	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	13.1	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-4-(0-3)**      **Lab ID: 60412140007**      Collected: 10/04/22 14:45      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.2	1	10/06/22 08:02	10/10/22 22:03	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	57	%	20-120	1	10/06/22 08:02	10/10/22 22:03	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	<b>22100</b>	mg/kg	6.7	1	10/07/22 08:31	10/11/22 16:28	7429-90-5	
Calcium	<b>840</b>	mg/kg	17.9	1	10/07/22 08:31	10/11/22 16:28	7440-70-2	
Iron	<b>22800</b>	mg/kg	4.5	1	10/07/22 08:31	10/11/22 16:28	7439-89-6	
Magnesium	<b>1560</b>	mg/kg	4.5	1	10/07/22 08:31	10/11/22 16:28	7439-95-4	
Potassium	<b>1940</b>	mg/kg	44.8	1	10/07/22 08:31	10/11/22 16:28	7440-09-7	
Sodium	<b>48.4</b>	mg/kg	44.8	1	10/07/22 08:31	10/11/22 16:28	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-36-0	
Arsenic	<b>10</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-38-2	
Barium	<b>66.3</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-39-3	
Beryllium	<b>0.60</b>	mg/kg	0.45	10	10/07/22 08:31	10/18/22 17:32	7440-41-7	
Cadmium	ND	mg/kg	0.45	10	10/07/22 08:31	10/18/22 17:32	7440-43-9	
Chromium	<b>25.0</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-47-3	
Cobalt	<b>2.8</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-48-4	
Copper	<b>16.6</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-50-8	
Lead	<b>30.9</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7439-92-1	
Manganese	<b>67.6</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7439-96-5	
Nickel	<b>11.7</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-02-0	
Selenium	<b>2.4</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7782-49-2	
Silver	ND	mg/kg	0.45	10	10/07/22 08:31	10/18/22 17:32	7440-22-4	
Thallium	ND	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-28-0	
Vanadium	<b>36.5</b>	mg/kg	0.90	10	10/07/22 08:31	10/18/22 17:32	7440-62-2	
Zinc	<b>45.5</b>	mg/kg	9.0	10	10/07/22 08:31	10/18/22 17:32	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	10/14/22 15:50	10/17/22 10:45	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-4-(0-3) Lab ID: 60412140007 Collected: 10/04/22 14:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	83-32-9	
Acenaphthylene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	208-96-8	
Anthracene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 02:31	65-85-0	
Benzyl alcohol	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	85-68-7	
Carbazole	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	59-50-7	
4-Chloroaniline	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	108-60-1	
2-Chloronaphthalene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	91-58-7	
2-Chlorophenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	7005-72-3	
Chrysene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	53-70-3	
Dibenzofuran	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	120-83-2	
Diethylphthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	105-67-9	
Dimethylphthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	131-11-3	
Di-n-butylphthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 02:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 02:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	117-81-7	
Fluoranthene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	206-44-0	
Fluorene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	77-47-4	
Hexachloroethane	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-4-(0-3)**      **Lab ID: 60412140007**      Collected: 10/04/22 14:45      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	193-39-5	
Isophorone	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	78-59-1	
2-Methylnaphthalene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	15831-10-4	
Naphthalene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	91-20-3	
2-Nitroaniline	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	88-74-4	
3-Nitroaniline	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	99-09-2	
4-Nitroaniline	ND	ug/kg	763	1	10/06/22 14:38	10/13/22 02:31	100-01-6	
Nitrobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	98-95-3	
2-Nitrophenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 02:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	10/06/22 14:38	10/13/22 02:31	87-86-5	
Phenanthrene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	85-01-8	
Phenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	108-95-2	
Pyrene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	129-00-0	
Pyridine	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	381	1	10/06/22 14:38	10/13/22 02:31	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	93	%	30-120	1	10/06/22 14:38	10/13/22 02:31	4165-60-0	
2-Fluorobiphenyl (S)	81	%	40-120	1	10/06/22 14:38	10/13/22 02:31	321-60-8	
Terphenyl-d14 (S)	82	%	45-120	1	10/06/22 14:38	10/13/22 02:31	1718-51-0	
Phenol-d6 (S)	82	%	40-120	1	10/06/22 14:38	10/13/22 02:31	13127-88-3	
2-Fluorophenol (S)	83	%	40-120	1	10/06/22 14:38	10/13/22 02:31	367-12-4	
2,4,6-Tribromophenol (S)	95	%	35-120	1	10/06/22 14:38	10/13/22 02:31	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.0	1	10/06/22 14:35	10/10/22 18:17		
TPH-DRO	ND	mg/kg	17.0	1	10/06/22 14:35	10/10/22 18:17		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	66	%	35-120	1	10/06/22 14:35	10/10/22 18:17	4165-60-0	
2-Fluorobiphenyl (S)	69	%	50-120	1	10/06/22 14:35	10/10/22 18:17	321-60-8	
Terphenyl-d14 (S)	83	%	45-120	1	10/06/22 14:35	10/10/22 18:17	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	17.4	1	10/06/22 10:24	10/06/22 13:07	67-64-1	
Benzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-4-(0-3) Lab ID: 60412140007 Collected: 10/04/22 14:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-27-4	
Bromoform	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-25-2	
Bromomethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	8.7	1	10/06/22 10:24	10/06/22 13:07	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	21.7	1	10/06/22 10:24	10/06/22 13:07	98-06-6	
Carbon disulfide	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	108-90-7	
Chloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-00-3	
Chloroform	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	67-66-3	
Chloromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.7	1	10/06/22 10:24	10/06/22 13:07	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	87-68-3	
2-Hexanone	ND	ug/kg	17.4	1	10/06/22 10:24	10/06/22 13:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	99-87-6	
Methylene Chloride	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.7	1	10/06/22 10:24	10/06/22 13:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	1634-04-4	
Naphthalene	ND	ug/kg	8.7	1	10/06/22 10:24	10/06/22 13:07	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	103-65-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-4-(0-3)** Lab ID: **60412140007** Collected: 10/04/22 14:45 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	127-18-4	
Toluene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	108-67-8	
Vinyl chloride	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	75-01-4	
Xylene (Total)	ND	ug/kg	4.3	1	10/06/22 10:24	10/06/22 13:07	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	102	%	80-120	1	10/06/22 10:24	10/06/22 13:07	2037-26-5	
4-Bromofluorobenzene (S)	90	%	80-125	1	10/06/22 10:24	10/06/22 13:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 13:07	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.43	1	10/06/22 10:24	10/06/22 13:07		
<b>Surrogates</b>								
Toluene-d8 (S)	102	%	78-122	1	10/06/22 10:24	10/06/22 13:07	2037-26-5	
4-Bromofluorobenzene (S)	90	%	69-133	1	10/06/22 10:24	10/06/22 13:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 13:07	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.2	%	0.50	1		10/06/22 09:36		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-4-(3-5.5) Lab ID: 60412140008 Collected: 10/04/22 14:50 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.3	1	10/06/22 08:02	10/10/22 22:38	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	57	%	20-120	1	10/06/22 08:02	10/10/22 22:38	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	8260	mg/kg	5.6	1	10/07/22 08:31	10/11/22 16:30	7429-90-5	
Calcium	3860	mg/kg	14.9	1	10/07/22 08:31	10/11/22 16:30	7440-70-2	
Iron	19600	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:30	7439-89-6	
Magnesium	1000	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:30	7439-95-4	
Potassium	880	mg/kg	37.3	1	10/07/22 08:31	10/11/22 16:30	7440-09-7	
Sodium	ND	mg/kg	37.3	1	10/07/22 08:31	10/11/22 16:30	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-36-0	
Arsenic	11.7	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-38-2	
Barium	94.2	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-39-3	
Beryllium	0.56	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:37	7440-41-7	
Cadmium	6.6	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:37	7440-43-9	
Chromium	18.5	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-47-3	
Cobalt	6.0	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-48-4	
Copper	18.8	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-50-8	
Lead	176	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7439-92-1	
Manganese	271	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7439-96-5	
Nickel	11.1	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-02-0	
Selenium	1.8	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7782-49-2	
Silver	ND	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:37	7440-22-4	
Thallium	ND	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-28-0	
Vanadium	23.6	mg/kg	0.75	10	10/07/22 08:31	10/18/22 17:37	7440-62-2	
Zinc	1040	mg/kg	7.5	10	10/07/22 08:31	10/18/22 17:37	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.35	mg/kg	0.044	1	10/14/22 15:50	10/17/22 10:47	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Sample Project No.: 60412140

Sample: SB-4-(3-5.5) Lab ID: 60412140008 Collected: 10/04/22 14:50 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	83-32-9	
Acenaphthylene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	208-96-8	
Anthracene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	207-08-9	
Benzoic Acid	ND	ug/kg	1860	1	10/06/22 14:38	10/13/22 02:53	65-85-0	
Benzyl alcohol	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	85-68-7	
Carbazole	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	59-50-7	
4-Chloroaniline	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	91-58-7	
2-Chlorophenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	7005-72-3	
Chrysene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	53-70-3	
Dibenzofuran	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	120-83-2	
Diethylphthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	105-67-9	
Dimethylphthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	1	10/06/22 14:38	10/13/22 02:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1	10/06/22 14:38	10/13/22 02:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	117-81-7	
Fluoranthene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	206-44-0	
Fluorene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	77-47-4	
Hexachloroethane	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-4-(3-5.5)**      **Lab ID: 60412140008**      Collected: 10/04/22 14:50      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

Indeno(1,2,3-cd)pyrene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	193-39-5	
Isophorone	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	78-59-1	
2-Methylnaphthalene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	15831-10-4	
Naphthalene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	91-20-3	
2-Nitroaniline	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	88-74-4	
3-Nitroaniline	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	99-09-2	
4-Nitroaniline	ND	ug/kg	737	1	10/06/22 14:38	10/13/22 02:53	100-01-6	
Nitrobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	98-95-3	
2-Nitrophenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	1	10/06/22 14:38	10/13/22 02:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	1	10/06/22 14:38	10/13/22 02:53	87-86-5	
Phenanthrene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	85-01-8	
Phenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	108-95-2	
Pyrene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	129-00-0	
Pyridine	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	369	1	10/06/22 14:38	10/13/22 02:53	88-06-2	

### Surrogates

Nitrobenzene-d5 (S)	79	%	30-120	1	10/06/22 14:38	10/13/22 02:53	4165-60-0	
2-Fluorobiphenyl (S)	68	%	40-120	1	10/06/22 14:38	10/13/22 02:53	321-60-8	
Terphenyl-d14 (S)	67	%	45-120	1	10/06/22 14:38	10/13/22 02:53	1718-51-0	
Phenol-d6 (S)	69	%	40-120	1	10/06/22 14:38	10/13/22 02:53	13127-88-3	
2-Fluorophenol (S)	69	%	40-120	1	10/06/22 14:38	10/13/22 02:53	367-12-4	
2,4,6-Tribromophenol (S)	77	%	35-120	1	10/06/22 14:38	10/13/22 02:53	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	45.7	mg/kg	16.8	1	10/06/22 14:35	10/10/22 18:36		
TPH-DRO	ND	mg/kg	16.8	1	10/06/22 14:35	10/10/22 18:36		

### Surrogates

Nitrobenzene-d5 (S)	62	%	35-120	1	10/06/22 14:35	10/10/22 18:36	4165-60-0	
2-Fluorobiphenyl (S)	67	%	50-120	1	10/06/22 14:35	10/10/22 18:36	321-60-8	
Terphenyl-d14 (S)	79	%	45-120	1	10/06/22 14:35	10/10/22 18:36	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	18.5	1	10/06/22 10:24	10/06/22 15:26	67-64-1	
Benzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-4-(3-5.5) Lab ID: 60412140008 Collected: 10/04/22 14:50 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-27-4	
Bromoform	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-25-2	
Bromomethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.3	1	10/06/22 10:24	10/06/22 15:26	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	135-98-8	
tert-Butylbenzene	ND	ug/kg	23.1	1	10/06/22 10:24	10/06/22 15:26	98-06-6	
Carbon disulfide	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	108-90-7	
Chloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-00-3	
Chloroform	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	67-66-3	
Chloromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.3	1	10/06/22 10:24	10/06/22 15:26	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	87-68-3	
2-Hexanone	ND	ug/kg	18.5	1	10/06/22 10:24	10/06/22 15:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	99-87-6	
Methylene Chloride	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.3	1	10/06/22 10:24	10/06/22 15:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	1634-04-4	
Naphthalene	ND	ug/kg	9.3	1	10/06/22 10:24	10/06/22 15:26	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-4-(3-5.5)** Lab ID: **60412140008** Collected: 10/04/22 14:50 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	127-18-4	
Toluene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	108-67-8	
Vinyl chloride	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	75-01-4	
Xylene (Total)	ND	ug/kg	4.6	1	10/06/22 10:24	10/06/22 15:26	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	80-120	1	10/06/22 10:24	10/06/22 15:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125	1	10/06/22 10:24	10/06/22 15:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 15:26	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.46	1	10/06/22 10:24	10/06/22 15:26		
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	78-122	1	10/06/22 10:24	10/06/22 15:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	10/06/22 10:24	10/06/22 15:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 15:26	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	11.7	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3) Lab ID: 60412140009 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.6	1	10/06/22 08:02	10/10/22 23:14	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	58	%	20-120	1	10/06/22 08:02	10/10/22 23:14	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	10400	mg/kg	7.1	1	10/07/22 08:31	10/11/22 16:32	7429-90-5	
Calcium	1150	mg/kg	18.9	1	10/07/22 08:31	10/11/22 16:32	7440-70-2	
Iron	23800	mg/kg	4.7	1	10/07/22 08:31	10/11/22 16:32	7439-89-6	
Magnesium	970	mg/kg	4.7	1	10/07/22 08:31	10/11/22 16:32	7439-95-4	
Potassium	901	mg/kg	47.2	1	10/07/22 08:31	10/11/22 16:32	7440-09-7	
Sodium	ND	mg/kg	47.2	1	10/07/22 08:31	10/11/22 16:32	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-36-0	
Arsenic	6.4	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-38-2	
Barium	66.8	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-39-3	
Beryllium	0.70	mg/kg	0.47	10	10/07/22 08:31	10/18/22 17:42	7440-41-7	
Cadmium	0.68	mg/kg	0.47	10	10/07/22 08:31	10/18/22 17:42	7440-43-9	
Chromium	16.3	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-47-3	
Cobalt	7.0	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-48-4	
Copper	10.0	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-50-8	
Lead	42.5	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7439-92-1	
Manganese	156	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7439-96-5	
Nickel	14.8	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-02-0	
Selenium	1.3	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7782-49-2	
Silver	ND	mg/kg	0.47	10	10/07/22 08:31	10/18/22 17:42	7440-22-4	
Thallium	ND	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-28-0	
Vanadium	27.7	mg/kg	0.94	10	10/07/22 08:31	10/18/22 17:42	7440-62-2	
Zinc	218	mg/kg	9.4	10	10/07/22 08:31	10/18/22 17:42	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.053	1	10/14/22 15:50	10/17/22 10:49	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3) Lab ID: 60412140009 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	83-32-9	
Acenaphthylene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	208-96-8	
Anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	207-08-9	
Benzoic Acid	ND	ug/kg	1730	1	10/06/22 14:38	10/13/22 03:14	65-85-0	
Benzyl alcohol	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	85-68-7	
Carbazole	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	59-50-7	
4-Chloroaniline	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	91-58-7	
2-Chlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	7005-72-3	
Chrysene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	53-70-3	
Dibenzofuran	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	120-83-2	
Diethylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	105-67-9	
Dimethylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1730	1	10/06/22 14:38	10/13/22 03:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1730	1	10/06/22 14:38	10/13/22 03:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	117-81-7	
Fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	206-44-0	
Fluorene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	87-68-3	
Hexachlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	77-47-4	
Hexachloroethane	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3) Lab ID: 60412140009 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	193-39-5	
Isophorone	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	78-59-1	
2-Methylnaphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	15831-10-4	
Naphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	91-20-3	
2-Nitroaniline	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	88-74-4	
3-Nitroaniline	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	99-09-2	
4-Nitroaniline	ND	ug/kg	685	1	10/06/22 14:38	10/13/22 03:14	100-01-6	
Nitrobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	98-95-3	
2-Nitrophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	88-75-5	
4-Nitrophenol	ND	ug/kg	1730	1	10/06/22 14:38	10/13/22 03:14	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	86-30-6	
Pentachlorophenol	ND	ug/kg	1730	1	10/06/22 14:38	10/13/22 03:14	87-86-5	
Phenanthrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	85-01-8	
Phenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	108-95-2	
Pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	129-00-0	
Pyridine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 03:14	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	71	%	30-120	1	10/06/22 14:38	10/13/22 03:14	4165-60-0	
2-Fluorobiphenyl (S)	63	%	40-120	1	10/06/22 14:38	10/13/22 03:14	321-60-8	
Terphenyl-d14 (S)	64	%	45-120	1	10/06/22 14:38	10/13/22 03:14	1718-51-0	
Phenol-d6 (S)	63	%	40-120	1	10/06/22 14:38	10/13/22 03:14	13127-88-3	
2-Fluorophenol (S)	62	%	40-120	1	10/06/22 14:38	10/13/22 03:14	367-12-4	
2,4,6-Tribromophenol (S)	71	%	35-120	1	10/06/22 14:38	10/13/22 03:14	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	20.5	mg/kg	15.6	1	10/06/22 14:35	10/10/22 18:56		
TPH-DRO	ND	mg/kg	15.6	1	10/06/22 14:35	10/10/22 18:56		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	61	%	35-120	1	10/06/22 14:35	10/10/22 18:56	4165-60-0	
2-Fluorobiphenyl (S)	65	%	50-120	1	10/06/22 14:35	10/10/22 18:56	321-60-8	
Terphenyl-d14 (S)	80	%	45-120	1	10/06/22 14:35	10/10/22 18:56	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	23.2	1	10/06/22 10:24	10/06/22 13:23	67-64-1	
Benzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	74-97-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3) Lab ID: 60412140009 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-27-4	
Bromoform	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-25-2	
Bromomethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 13:23	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	29.0	1	10/06/22 10:24	10/06/22 13:23	98-06-6	
Carbon disulfide	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	108-90-7	
Chloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-00-3	
Chloroform	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	67-66-3	
Chloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 13:23	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	10061-02-6	
Ethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	87-68-3	
2-Hexanone	ND	ug/kg	23.2	1	10/06/22 10:24	10/06/22 13:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	99-87-6	
Methylene Chloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 13:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	1634-04-4	
Naphthalene	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 13:23	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3) Lab ID: 60412140009 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	127-18-4	
Toluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	108-67-8	
Vinyl chloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	75-01-4	
Xylene (Total)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 13:23	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	80-120	1	10/06/22 10:24	10/06/22 13:23	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-125	1	10/06/22 10:24	10/06/22 13:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 13:23	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.58	1	10/06/22 10:24	10/06/22 13:23		
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	78-122	1	10/06/22 10:24	10/06/22 13:23	2037-26-5	
4-Bromofluorobenzene (S)	93	%	69-133	1	10/06/22 10:24	10/06/22 13:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 13:23	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	5.4	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-5-(0-3)-DUP** Lab ID: **60412140010** Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.6	1	10/06/22 08:02	10/11/22 00:25	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	55	%	20-120	1	10/06/22 08:02	10/11/22 00:25	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	9680	mg/kg	5.5	1	10/07/22 08:31	10/11/22 16:34	7429-90-5	
Calcium	1140	mg/kg	14.7	1	10/07/22 08:31	10/11/22 16:34	7440-70-2	
Iron	13400	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:34	7439-89-6	
Magnesium	945	mg/kg	3.7	1	10/07/22 08:31	10/11/22 16:34	7439-95-4	
Potassium	842	mg/kg	36.8	1	10/07/22 08:31	10/11/22 16:34	7440-09-7	
Sodium	ND	mg/kg	36.8	1	10/07/22 08:31	10/11/22 16:34	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-36-0	
Arsenic	3.4	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-38-2	
Barium	63.5	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-39-3	
Beryllium	0.58	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:48	7440-41-7	
Cadmium	ND	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:48	7440-43-9	
Chromium	11.7	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-47-3	
Cobalt	4.8	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-48-4	
Copper	6.9	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-50-8	
Lead	15.1	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7439-92-1	
Manganese	88.5	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7439-96-5	
Nickel	10.5	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-02-0	
Selenium	1.1	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7782-49-2	
Silver	ND	mg/kg	0.37	10	10/07/22 08:31	10/18/22 17:48	7440-22-4	
Thallium	ND	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-28-0	
Vanadium	20.2	mg/kg	0.74	10	10/07/22 08:31	10/18/22 17:48	7440-62-2	
Zinc	118	mg/kg	7.4	10	10/07/22 08:31	10/18/22 17:48	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.051	1	10/14/22 15:50	10/17/22 10:52	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3)-DUP Lab ID: 60412140010 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	83-32-9	
Acenaphthylene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	208-96-8	
Anthracene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	207-08-9	
Benzoic Acid	ND	ug/kg	1690	1	10/06/22 14:38	10/13/22 16:49	65-85-0	
Benzyl alcohol	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	85-68-7	
Carbazole	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	59-50-7	
4-Chloroaniline	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	108-60-1	
2-Chloronaphthalene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	91-58-7	
2-Chlorophenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	7005-72-3	
Chrysene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	53-70-3	
Dibenzofuran	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	120-83-2	
Diethylphthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	105-67-9	
Dimethylphthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1690	1	10/06/22 14:38	10/13/22 16:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1690	1	10/06/22 14:38	10/13/22 16:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	117-81-7	
Fluoranthene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	206-44-0	
Fluorene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	77-47-4	
Hexachloroethane	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	67-72-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3)-DUP Lab ID: 60412140010 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	193-39-5	
Isophorone	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	78-59-1	
2-Methylnaphthalene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	15831-10-4	
Naphthalene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	91-20-3	
2-Nitroaniline	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	88-74-4	
3-Nitroaniline	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	99-09-2	
4-Nitroaniline	ND	ug/kg	667	1	10/06/22 14:38	10/13/22 16:49	100-01-6	
Nitrobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	98-95-3	
2-Nitrophenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	88-75-5	
4-Nitrophenol	ND	ug/kg	1690	1	10/06/22 14:38	10/13/22 16:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	86-30-6	
Pentachlorophenol	ND	ug/kg	1690	1	10/06/22 14:38	10/13/22 16:49	87-86-5	
Phenanthrene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	85-01-8	
Phenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	108-95-2	
Pyrene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	129-00-0	
Pyridine	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	334	1	10/06/22 14:38	10/13/22 16:49	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	79	%	30-120	1	10/06/22 14:38	10/13/22 16:49	4165-60-0	
2-Fluorobiphenyl (S)	70	%	40-120	1	10/06/22 14:38	10/13/22 16:49	321-60-8	
Terphenyl-d14 (S)	67	%	45-120	1	10/06/22 14:38	10/13/22 16:49	1718-51-0	
Phenol-d6 (S)	73	%	40-120	1	10/06/22 14:38	10/13/22 16:49	13127-88-3	
2-Fluorophenol (S)	72	%	40-120	1	10/06/22 14:38	10/13/22 16:49	367-12-4	
2,4,6-Tribromophenol (S)	84	%	35-120	1	10/06/22 14:38	10/13/22 16:49	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	15.5	1	10/06/22 14:35	10/10/22 19:15		
TPH-DRO	ND	mg/kg	15.5	1	10/06/22 14:35	10/10/22 19:15		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	58	%	35-120	1	10/06/22 14:35	10/10/22 19:15	4165-60-0	
2-Fluorobiphenyl (S)	62	%	50-120	1	10/06/22 14:35	10/10/22 19:15	321-60-8	
Terphenyl-d14 (S)	75	%	45-120	1	10/06/22 14:35	10/10/22 19:15	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	20.3	1	10/06/22 10:24	10/06/22 13:40	67-64-1	
Benzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	74-97-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(0-3)-DUP Lab ID: 60412140010 Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-27-4	
Bromoform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-25-2	
Bromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:40	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.4	1	10/06/22 10:24	10/06/22 13:40	98-06-6	
Carbon disulfide	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	108-90-7	
Chloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-00-3	
Chloroform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	67-66-3	
Chloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:40	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	87-68-3	
2-Hexanone	ND	ug/kg	20.3	1	10/06/22 10:24	10/06/22 13:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	99-87-6	
Methylene Chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	1634-04-4	
Naphthalene	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:40	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-5-(0-3)-DUP** Lab ID: **60412140010** Collected: 10/04/22 15:35 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	127-18-4	
Toluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:40	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	80-120	1	10/06/22 10:24	10/06/22 13:40	2037-26-5	
4-Bromofluorobenzene (S)	90	%	80-125	1	10/06/22 10:24	10/06/22 13:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 13:40	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.51	1	10/06/22 10:24	10/06/22 13:40		
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	78-122	1	10/06/22 10:24	10/06/22 13:40	2037-26-5	
4-Bromofluorobenzene (S)	90	%	69-133	1	10/06/22 10:24	10/06/22 13:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 13:40	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	5.6	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(3-6) Lab ID: 60412140011 Collected: 10/04/22 15:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	33.3	1	10/06/22 08:02	10/11/22 01:01	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	58	%	20-120	1	10/06/22 08:02	10/11/22 01:01	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	7800	mg/kg	6.5	1	10/07/22 08:31	10/11/22 16:36	7429-90-5	
Calcium	1240	mg/kg	17.5	1	10/07/22 08:31	10/11/22 16:36	7440-70-2	
Iron	9330	mg/kg	4.4	1	10/07/22 08:31	10/11/22 16:36	7439-89-6	
Magnesium	1110	mg/kg	4.4	1	10/07/22 08:31	10/11/22 16:36	7439-95-4	
Potassium	926	mg/kg	43.6	1	10/07/22 08:31	10/11/22 16:36	7440-09-7	
Sodium	75.2	mg/kg	43.6	1	10/07/22 08:31	10/11/22 16:36	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-36-0	
Arsenic	1.7	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-38-2	
Barium	47.7	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-39-3	
Beryllium	ND	mg/kg	0.44	10	10/07/22 08:31	10/18/22 17:53	7440-41-7	
Cadmium	0.50	mg/kg	0.44	10	10/07/22 08:31	10/18/22 17:53	7440-43-9	
Chromium	13.9	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-47-3	
Cobalt	11.7	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-48-4	
Copper	6.8	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-50-8	
Lead	15.0	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7439-92-1	
Manganese	159	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7439-96-5	
Nickel	13.4	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-02-0	
Selenium	1.1	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7782-49-2	
Silver	ND	mg/kg	0.44	10	10/07/22 08:31	10/18/22 17:53	7440-22-4	
Thallium	ND	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-28-0	
Vanadium	12.9	mg/kg	0.87	10	10/07/22 08:31	10/18/22 17:53	7440-62-2	
Zinc	126	mg/kg	8.7	10	10/07/22 08:31	10/18/22 17:53	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	10/14/22 15:50	10/17/22 10:54	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Project No.: 60412140

Sample: SB-5-(3-6) Lab ID: 60412140011 Collected: 10/04/22 15:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	83-32-9	
Acenaphthylene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	208-96-8	
Anthracene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	207-08-9	
Benzoic Acid	ND	ug/kg	1720	1	10/06/22 14:38	10/13/22 17:10	65-85-0	
Benzyl alcohol	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	85-68-7	
Carbazole	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	59-50-7	
4-Chloroaniline	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	91-58-7	
2-Chlorophenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	7005-72-3	
Chrysene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	53-70-3	
Dibenzofuran	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	120-83-2	
Diethylphthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	105-67-9	
Dimethylphthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1720	1	10/06/22 14:38	10/13/22 17:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1720	1	10/06/22 14:38	10/13/22 17:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	117-81-7	
Fluoranthene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	206-44-0	
Fluorene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	77-47-4	
Hexachloroethane	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-5-(3-6)**      **Lab ID: 60412140011**      Collected: 10/04/22 15:45      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	193-39-5	
Isophorone	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	78-59-1	
2-Methylnaphthalene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	15831-10-4	
Naphthalene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	91-20-3	
2-Nitroaniline	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	88-74-4	
3-Nitroaniline	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	99-09-2	
4-Nitroaniline	ND	ug/kg	678	1	10/06/22 14:38	10/13/22 17:10	100-01-6	
Nitrobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	98-95-3	
2-Nitrophenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1720	1	10/06/22 14:38	10/13/22 17:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	86-30-6	
Pentachlorophenol	ND	ug/kg	1720	1	10/06/22 14:38	10/13/22 17:10	87-86-5	
Phenanthrene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	85-01-8	
Phenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	108-95-2	
Pyrene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	129-00-0	
Pyridine	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	339	1	10/06/22 14:38	10/13/22 17:10	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	75	%	30-120	1	10/06/22 14:38	10/13/22 17:10	4165-60-0	
2-Fluorobiphenyl (S)	68	%	40-120	1	10/06/22 14:38	10/13/22 17:10	321-60-8	
Terphenyl-d14 (S)	69	%	45-120	1	10/06/22 14:38	10/13/22 17:10	1718-51-0	
Phenol-d6 (S)	73	%	40-120	1	10/06/22 14:38	10/13/22 17:10	13127-88-3	
2-Fluorophenol (S)	70	%	40-120	1	10/06/22 14:38	10/13/22 17:10	367-12-4	
2,4,6-Tribromophenol (S)	84	%	35-120	1	10/06/22 14:38	10/13/22 17:10	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	36.7	mg/kg	15.3	1	10/06/22 14:35	10/10/22 19:35		
TPH-DRO	ND	mg/kg	15.3	1	10/06/22 14:35	10/10/22 19:35		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	56	%	35-120	1	10/06/22 14:35	10/10/22 19:35	4165-60-0	
2-Fluorobiphenyl (S)	61	%	50-120	1	10/06/22 14:35	10/10/22 19:35	321-60-8	
Terphenyl-d14 (S)	69	%	45-120	1	10/06/22 14:35	10/10/22 19:35	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	22.2	ug/kg	20.3	1	10/06/22 10:24	10/06/22 13:56	67-64-1	
Benzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(3-6) Lab ID: 60412140011 Collected: 10/04/22 15:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-27-4	
Bromoform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-25-2	
Bromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:56	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.4	1	10/06/22 10:24	10/06/22 13:56	98-06-6	
Carbon disulfide	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	108-90-7	
Chloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-00-3	
Chloroform	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	67-66-3	
Chloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:56	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	87-68-3	
2-Hexanone	ND	ug/kg	20.3	1	10/06/22 10:24	10/06/22 13:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	99-87-6	
Methylene Chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	1634-04-4	
Naphthalene	ND	ug/kg	10.2	1	10/06/22 10:24	10/06/22 13:56	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-5-(3-6) Lab ID: 60412140011 Collected: 10/04/22 15:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	127-18-4	
Toluene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1	10/06/22 10:24	10/06/22 13:56	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 13:56	2037-26-5	
4-Bromofluorobenzene (S)	90	%	80-125	1	10/06/22 10:24	10/06/22 13:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 13:56	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.51	1	10/06/22 10:24	10/06/22 13:56		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 13:56	2037-26-5	
4-Bromofluorobenzene (S)	90	%	69-133	1	10/06/22 10:24	10/06/22 13:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 13:56	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	4.5	%	0.50	1		10/06/22 09:36		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(0-3) Lab ID: 60412140012 Collected: 10/04/22 16:15 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.6	1	10/06/22 08:02	10/11/22 01:37	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	54	%	20-120	1	10/06/22 08:02	10/11/22 01:37	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	13300	mg/kg	8.1	1	10/07/22 08:31	10/11/22 16:38	7429-90-5	
Calcium	1510	mg/kg	21.6	1	10/07/22 08:31	10/11/22 16:38	7440-70-2	
Iron	42700	mg/kg	5.4	1	10/07/22 08:31	10/11/22 16:38	7439-89-6	
Magnesium	1370	mg/kg	5.4	1	10/07/22 08:31	10/11/22 16:38	7439-95-4	
Potassium	790	mg/kg	53.9	1	10/07/22 08:31	10/11/22 16:38	7440-09-7	
Sodium	56.7	mg/kg	53.9	1	10/07/22 08:31	10/11/22 16:38	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-36-0	
Arsenic	10.8	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-38-2	
Barium	145	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-39-3	
Beryllium	1.2	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:04	7440-41-7	
Cadmium	ND	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:04	7440-43-9	
Chromium	30.9	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-47-3	
Cobalt	12.2	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-48-4	
Copper	9.9	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-50-8	
Lead	17.1	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7439-92-1	
Manganese	338	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7439-96-5	
Nickel	17.3	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-02-0	
Selenium	1.8	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7782-49-2	
Silver	ND	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:04	7440-22-4	
Thallium	ND	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-28-0	
Vanadium	45.9	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:04	7440-62-2	
Zinc	37.1	mg/kg	10.8	10	10/07/22 08:31	10/18/22 18:04	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.053	1	10/14/22 15:50	10/17/22 10:56	7439-97-6	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(0-3) Lab ID: 60412140012 Collected: 10/04/22 16:15 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	83-32-9	
Acenaphthylene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	208-96-8	
Anthracene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	207-08-9	
Benzoic Acid	ND	ug/kg	1780	1	10/06/22 14:38	10/13/22 17:32	65-85-0	
Benzyl alcohol	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	85-68-7	
Carbazole	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	59-50-7	
4-Chloroaniline	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	108-60-1	
2-Chloronaphthalene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	91-58-7	
2-Chlorophenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	7005-72-3	
Chrysene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	53-70-3	
Dibenzofuran	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	120-83-2	
Diethylphthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	105-67-9	
Dimethylphthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	1	10/06/22 14:38	10/13/22 17:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1	10/06/22 14:38	10/13/22 17:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	117-81-7	
Fluoranthene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	206-44-0	
Fluorene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	77-47-4	
Hexachloroethane	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(0-3) Lab ID: 60412140012 Collected: 10/04/22 16:15 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	193-39-5	
Isophorone	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	78-59-1	
2-Methylnaphthalene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	15831-10-4	
Naphthalene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	91-20-3	
2-Nitroaniline	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	88-74-4	
3-Nitroaniline	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	99-09-2	
4-Nitroaniline	ND	ug/kg	704	1	10/06/22 14:38	10/13/22 17:32	100-01-6	
Nitrobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	98-95-3	
2-Nitrophenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	1	10/06/22 14:38	10/13/22 17:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	86-30-6	
Pentachlorophenol	ND	ug/kg	1780	1	10/06/22 14:38	10/13/22 17:32	87-86-5	
Phenanthrene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	85-01-8	
Phenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	108-95-2	
Pyrene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	129-00-0	
Pyridine	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	352	1	10/06/22 14:38	10/13/22 17:32	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	91	%	30-120	1	10/06/22 14:38	10/13/22 17:32	4165-60-0	
2-Fluorobiphenyl (S)	80	%	40-120	1	10/06/22 14:38	10/13/22 17:32	321-60-8	
Terphenyl-d14 (S)	80	%	45-120	1	10/06/22 14:38	10/13/22 17:32	1718-51-0	
Phenol-d6 (S)	87	%	40-120	1	10/06/22 14:38	10/13/22 17:32	13127-88-3	
2-Fluorophenol (S)	84	%	40-120	1	10/06/22 14:38	10/13/22 17:32	367-12-4	
2,4,6-Tribromophenol (S)	97	%	35-120	1	10/06/22 14:38	10/13/22 17:32	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	18.2	mg/kg	16.7	1	10/06/22 14:35	10/10/22 19:54		
TPH-DRO	ND	mg/kg	16.7	1	10/06/22 14:35	10/10/22 19:54		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	79	%	35-120	1	10/06/22 14:35	10/10/22 19:54	4165-60-0	
2-Fluorobiphenyl (S)	67	%	50-120	1	10/06/22 14:35	10/10/22 19:54	321-60-8	
Terphenyl-d14 (S)	77	%	45-120	1	10/06/22 14:35	10/10/22 19:54	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	24.5	ug/kg	23.3	1	10/06/22 10:24	10/06/22 14:12	67-64-1	
Benzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(0-3) Lab ID: 60412140012 Collected: 10/04/22 16:15 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-27-4	
Bromoform	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-25-2	
Bromomethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 14:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	29.1	1	10/06/22 10:24	10/06/22 14:12	98-06-6	
Carbon disulfide	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	108-90-7	
Chloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-00-3	
Chloroform	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	67-66-3	
Chloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 14:12	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	87-68-3	
2-Hexanone	ND	ug/kg	23.3	1	10/06/22 10:24	10/06/22 14:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	99-87-6	
Methylene Chloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	1634-04-4	
Naphthalene	ND	ug/kg	11.6	1	10/06/22 10:24	10/06/22 14:12	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	103-65-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-6-(0-3)** Lab ID: **60412140012** Collected: 10/04/22 16:15 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	127-18-4	
Toluene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	108-67-8	
Vinyl chloride	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	75-01-4	
Xylene (Total)	ND	ug/kg	5.8	1	10/06/22 10:24	10/06/22 14:12	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 14:12	2037-26-5	
4-Bromofluorobenzene (S)	89	%	80-125	1	10/06/22 10:24	10/06/22 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 14:12	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.58	1	10/06/22 10:24	10/06/22 14:12		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 14:12	2037-26-5	
4-Bromofluorobenzene (S)	89	%	69-133	1	10/06/22 10:24	10/06/22 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	10/06/22 10:24	10/06/22 14:12	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	<b>10.8</b>	%	0.50	1		10/06/22 09:36		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(6-9) Lab ID: 60412140013 Collected: 10/04/22 16:25 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	35.1	1	10/06/22 08:02	10/11/22 02:13	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	58	%	20-120	1	10/06/22 08:02	10/11/22 02:13	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	8620	mg/kg	6.8	1	10/07/22 08:31	10/11/22 16:40	7429-90-5	
Calcium	796	mg/kg	18.1	1	10/07/22 08:31	10/11/22 16:40	7440-70-2	
Iron	25600	mg/kg	4.5	1	10/07/22 08:31	10/11/22 16:40	7439-89-6	
Magnesium	2710	mg/kg	4.5	1	10/07/22 08:31	10/11/22 16:40	7439-95-4	
Potassium	1430	mg/kg	45.2	1	10/07/22 08:31	10/11/22 16:40	7440-09-7	
Sodium	224	mg/kg	45.2	1	10/07/22 08:31	10/11/22 16:40	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-36-0	
Arsenic	7.9	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-38-2	
Barium	29.0	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-39-3	
Beryllium	1.1	mg/kg	0.45	10	10/07/22 08:31	10/18/22 18:09	7440-41-7	
Cadmium	ND	mg/kg	0.45	10	10/07/22 08:31	10/18/22 18:09	7440-43-9	
Chromium	20.5	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-47-3	
Cobalt	21.0	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-48-4	
Copper	38.7	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-50-8	
Lead	10.4	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7439-92-1	
Manganese	391	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7439-96-5	
Nickel	42.1	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-02-0	
Selenium	2.0	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7782-49-2	
Silver	ND	mg/kg	0.45	10	10/07/22 08:31	10/18/22 18:09	7440-22-4	
Thallium	ND	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-28-0	
Vanadium	20.5	mg/kg	0.90	10	10/07/22 08:31	10/18/22 18:09	7440-62-2	
Zinc	110	mg/kg	9.0	10	10/07/22 08:31	10/18/22 18:09	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.041	1	10/14/22 15:50	10/17/22 10:58	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(6-9) Lab ID: 60412140013 Collected: 10/04/22 16:25 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	83-32-9	
Acenaphthylene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	208-96-8	
Anthracene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	207-08-9	
Benzoic Acid	ND	ug/kg	9210	1	10/06/22 14:38	10/13/22 17:54	65-85-0	
Benzyl alcohol	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	85-68-7	
Carbazole	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	59-50-7	
4-Chloroaniline	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	91-58-7	
2-Chlorophenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	7005-72-3	
Chrysene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	53-70-3	
Dibenzofuran	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	120-83-2	
Diethylphthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	105-67-9	
Dimethylphthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9210	1	10/06/22 14:38	10/13/22 17:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9210	1	10/06/22 14:38	10/13/22 17:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	117-81-7	
Fluoranthene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	206-44-0	
Fluorene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	77-47-4	
Hexachloroethane	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-6-(6-9)** **Lab ID: 60412140013** Collected: 10/04/22 16:25 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

Indeno(1,2,3-cd)pyrene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	193-39-5	
Isophorone	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	15831-10-4	
Naphthalene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	91-20-3	
2-Nitroaniline	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	88-74-4	
3-Nitroaniline	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	99-09-2	
4-Nitroaniline	ND	ug/kg	3640	1	10/06/22 14:38	10/13/22 17:54	100-01-6	
Nitrobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	98-95-3	
2-Nitrophenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	88-75-5	
4-Nitrophenol	ND	ug/kg	9210	1	10/06/22 14:38	10/13/22 17:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	86-30-6	
Pentachlorophenol	ND	ug/kg	9210	1	10/06/22 14:38	10/13/22 17:54	87-86-5	
Phenanthrene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	85-01-8	
Phenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	108-95-2	
Pyrene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	129-00-0	
Pyridine	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1820	1	10/06/22 14:38	10/13/22 17:54	88-06-2	

### Surrogates

Nitrobenzene-d5 (S)	94	%	30-120	1	10/06/22 14:38	10/13/22 17:54	4165-60-0	
2-Fluorobiphenyl (S)	87	%	40-120	1	10/06/22 14:38	10/13/22 17:54	321-60-8	
Terphenyl-d14 (S)	86	%	45-120	1	10/06/22 14:38	10/13/22 17:54	1718-51-0	
Phenol-d6 (S)	92	%	40-120	1	10/06/22 14:38	10/13/22 17:54	13127-88-3	
2-Fluorophenol (S)	89	%	40-120	1	10/06/22 14:38	10/13/22 17:54	367-12-4	
2,4,6-Tribromophenol (S)	95	%	35-120	1	10/06/22 14:38	10/13/22 17:54	118-79-6	

### 8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	38.1	mg/kg	16.3	1	10/06/22 14:35	10/10/22 20:13		
TPH-DRO	ND	mg/kg	16.3	1	10/06/22 14:35	10/10/22 20:13		

### Surrogates

Nitrobenzene-d5 (S)	75	%	35-120	1	10/06/22 14:35	10/10/22 20:13	4165-60-0	
2-Fluorobiphenyl (S)	62	%	50-120	1	10/06/22 14:35	10/10/22 20:13	321-60-8	
Terphenyl-d14 (S)	72	%	45-120	1	10/06/22 14:35	10/10/22 20:13	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	21.1	1	10/06/22 10:24	10/06/22 14:28	67-64-1	
Benzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(6-9) Lab ID: 60412140013 Collected: 10/04/22 16:25 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-27-4	
Bromoform	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-25-2	
Bromomethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 14:28	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.4	1	10/06/22 10:24	10/06/22 14:28	98-06-6	
Carbon disulfide	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	108-90-7	
Chloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-00-3	
Chloroform	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	67-66-3	
Chloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 14:28	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	87-68-3	
2-Hexanone	ND	ug/kg	21.1	1	10/06/22 10:24	10/06/22 14:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	99-87-6	
Methylene Chloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 14:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	1634-04-4	
Naphthalene	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 14:28	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	103-65-1	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-6-(6-9) Lab ID: 60412140013 Collected: 10/04/22 16:25 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	127-18-4	
Toluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	75-01-4	
Xylene (Total)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 14:28	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	80-120	1	10/06/22 10:24	10/06/22 14:28	2037-26-5	
4-Bromofluorobenzene (S)	92	%	80-125	1	10/06/22 10:24	10/06/22 14:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	10/06/22 10:24	10/06/22 14:28	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.53	1	10/06/22 10:24	10/06/22 14:28		
<b>Surrogates</b>								
Toluene-d8 (S)	106	%	78-122	1	10/06/22 10:24	10/06/22 14:28	2037-26-5	
4-Bromofluorobenzene (S)	92	%	69-133	1	10/06/22 10:24	10/06/22 14:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	10/06/22 10:24	10/06/22 14:28	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	9.4	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-7-(0-3)**      **Lab ID: 60412140014**      Collected: 10/05/22 09:00      Received: 10/05/22 14:37      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.7	1	10/06/22 08:02	10/11/22 02:48	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	59	%	20-120	1	10/06/22 08:02	10/11/22 02:48	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	24900	mg/kg	8.1	1	10/07/22 08:31	10/11/22 16:49	7429-90-5	
Calcium	2000	mg/kg	21.6	1	10/07/22 08:31	10/11/22 16:49	7440-70-2	
Iron	21900	mg/kg	5.4	1	10/07/22 08:31	10/11/22 16:49	7439-89-6	
Magnesium	3000	mg/kg	5.4	1	10/07/22 08:31	10/11/22 16:49	7439-95-4	
Potassium	1840	mg/kg	53.9	1	10/07/22 08:31	10/13/22 08:22	7440-09-7	
Sodium	813	mg/kg	53.9	1	10/07/22 08:31	10/13/22 08:22	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-36-0	
Arsenic	3.4	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-38-2	
Barium	363	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-39-3	
Beryllium	1.0	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:14	7440-41-7	
Cadmium	ND	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:14	7440-43-9	
Chromium	31.4	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-47-3	
Cobalt	14.7	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-48-4	
Copper	13.2	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-50-8	
Lead	13.5	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7439-92-1	
Manganese	343	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7439-96-5	
Nickel	23.2	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-02-0	
Selenium	1.5	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7782-49-2	
Silver	ND	mg/kg	0.54	10	10/07/22 08:31	10/18/22 18:14	7440-22-4	
Thallium	ND	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-28-0	
Vanadium	31.5	mg/kg	1.1	10	10/07/22 08:31	10/18/22 18:14	7440-62-2	
Zinc	56.5	mg/kg	10.8	10	10/07/22 08:31	10/18/22 18:14	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/14/22 15:50	10/17/22 11:01	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(0-3) Lab ID: 60412140014 Collected: 10/05/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	83-32-9	
Acenaphthylene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	208-96-8	
Anthracene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	120-12-7	
Benzo(a)anthracene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	56-55-3	
Benzo(a)pyrene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	207-08-9	
Benzoic Acid	ND	ug/kg	1920	1	10/06/22 14:38	10/13/22 18:16	65-85-0	
Benzyl alcohol	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	101-55-3	
Butylbenzylphthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	85-68-7	
Carbazole	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	59-50-7	
4-Chloroaniline	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	108-60-1	
2-Chloronaphthalene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	91-58-7	
2-Chlorophenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	7005-72-3	
Chrysene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	53-70-3	
Dibenzofuran	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	120-83-2	
Diethylphthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	105-67-9	
Dimethylphthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	131-11-3	
Di-n-butylphthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1920	1	10/06/22 14:38	10/13/22 18:16	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	1	10/06/22 14:38	10/13/22 18:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	606-20-2	
Di-n-octylphthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	117-81-7	
Fluoranthene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	206-44-0	
Fluorene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	87-68-3	
Hexachlorobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	77-47-4	
Hexachloroethane	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(0-3) Lab ID: 60412140014 Collected: 10/05/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	193-39-5	
Isophorone	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	78-59-1	
2-Methylnaphthalene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	15831-10-4	
Naphthalene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	91-20-3	
2-Nitroaniline	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	88-74-4	
3-Nitroaniline	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	99-09-2	
4-Nitroaniline	ND	ug/kg	760	1	10/06/22 14:38	10/13/22 18:16	100-01-6	
Nitrobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	98-95-3	
2-Nitrophenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	1	10/06/22 14:38	10/13/22 18:16	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	86-30-6	
Pentachlorophenol	ND	ug/kg	1920	1	10/06/22 14:38	10/13/22 18:16	87-86-5	
Phenanthrene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	85-01-8	
Phenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	108-95-2	
Pyrene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	129-00-0	
Pyridine	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	380	1	10/06/22 14:38	10/13/22 18:16	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	100	%	30-120	1	10/06/22 14:38	10/13/22 18:16	4165-60-0	
2-Fluorobiphenyl (S)	88	%	40-120	1	10/06/22 14:38	10/13/22 18:16	321-60-8	
Terphenyl-d14 (S)	88	%	45-120	1	10/06/22 14:38	10/13/22 18:16	1718-51-0	
Phenol-d6 (S)	93	%	40-120	1	10/06/22 14:38	10/13/22 18:16	13127-88-3	
2-Fluorophenol (S)	89	%	40-120	1	10/06/22 14:38	10/13/22 18:16	367-12-4	
2,4,6-Tribromophenol (S)	104	%	35-120	1	10/06/22 14:38	10/13/22 18:16	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	18.5	mg/kg	18.1	1	10/06/22 14:35	10/10/22 20:33		
TPH-DRO	ND	mg/kg	18.1	1	10/06/22 14:35	10/10/22 20:33		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	72	%	35-120	1	10/06/22 14:35	10/10/22 20:33	4165-60-0	
2-Fluorobiphenyl (S)	68	%	50-120	1	10/06/22 14:35	10/10/22 20:33	321-60-8	
Terphenyl-d14 (S)	76	%	45-120	1	10/06/22 14:35	10/10/22 20:33	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	75.5	ug/kg	22.1	1	10/06/22 10:24	10/06/22 14:52	67-64-1	
Benzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(0-3) Lab ID: 60412140014 Collected: 10/05/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-27-4	
Bromoform	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-25-2	
Bromomethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.1	1	10/06/22 10:24	10/06/22 14:52	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	135-98-8	
tert-Butylbenzene	ND	ug/kg	27.6	1	10/06/22 10:24	10/06/22 14:52	98-06-6	
Carbon disulfide	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	108-90-7	
Chloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-00-3	
Chloroform	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	67-66-3	
Chloromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.1	1	10/06/22 10:24	10/06/22 14:52	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	10061-02-6	
Ethylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	87-68-3	
2-Hexanone	ND	ug/kg	22.1	1	10/06/22 10:24	10/06/22 14:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	99-87-6	
Methylene Chloride	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.1	1	10/06/22 10:24	10/06/22 14:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	1634-04-4	
Naphthalene	ND	ug/kg	11.1	1	10/06/22 10:24	10/06/22 14:52	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(0-3) Lab ID: 60412140014 Collected: 10/05/22 09:00 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	127-18-4	
Toluene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	108-67-8	
Vinyl chloride	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	75-01-4	
Xylene (Total)	ND	ug/kg	5.5	1	10/06/22 10:24	10/06/22 14:52	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	80-120	1	10/06/22 10:24	10/06/22 14:52	2037-26-5	
4-Bromofluorobenzene (S)	91	%	80-125	1	10/06/22 10:24	10/06/22 14:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	10/06/22 10:24	10/06/22 14:52	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.55	1	10/06/22 10:24	10/06/22 14:52		
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	78-122	1	10/06/22 10:24	10/06/22 14:52	2037-26-5	
4-Bromofluorobenzene (S)	91	%	69-133	1	10/06/22 10:24	10/06/22 14:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	10/06/22 10:24	10/06/22 14:52	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	17.1	%	0.50	1		10/06/22 09:36		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(4-7) Lab ID: 60412140015 Collected: 10/05/22 09:10 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	35.2	1	10/06/22 08:02	10/11/22 03:24	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	59	%	20-120	1	10/06/22 08:02	10/11/22 03:24	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Aluminum	9290	mg/kg	6.5	1	10/07/22 08:31	10/11/22 16:51	7429-90-5	
Calcium	1280	mg/kg	17.2	1	10/07/22 08:31	10/11/22 16:51	7440-70-2	
Iron	21800	mg/kg	4.3	1	10/07/22 08:31	10/11/22 16:51	7439-89-6	
Magnesium	2890	mg/kg	4.3	1	10/07/22 08:31	10/11/22 16:51	7439-95-4	
Potassium	1510	mg/kg	43.0	1	10/07/22 08:31	10/13/22 08:24	7440-09-7	
Sodium	251	mg/kg	43.0	1	10/07/22 08:31	10/13/22 08:24	7440-23-5	
<b>6020 MET ICPMS</b>								
Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Antimony	ND	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-36-0	
Arsenic	3.7	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-38-2	
Barium	44.2	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-39-3	
Beryllium	0.79	mg/kg	0.43	10	10/07/22 08:31	10/18/22 18:19	7440-41-7	
Cadmium	ND	mg/kg	0.43	10	10/07/22 08:31	10/18/22 18:19	7440-43-9	
Chromium	19.6	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-47-3	
Cobalt	14.6	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-48-4	
Copper	23.1	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-50-8	
Lead	5.4	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7439-92-1	
Manganese	246	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7439-96-5	
Nickel	34.7	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-02-0	
Selenium	1.9	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7782-49-2	
Silver	ND	mg/kg	0.43	10	10/07/22 08:31	10/18/22 18:19	7440-22-4	
Thallium	ND	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-28-0	
Vanadium	16.9	mg/kg	0.86	10	10/07/22 08:31	10/18/22 18:19	7440-62-2	
Zinc	94.9	mg/kg	8.6	10	10/07/22 08:31	10/18/22 18:19	7440-66-6	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.049	1	10/14/22 15:50	10/17/22 11:03	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(4-7) Lab ID: 60412140015 Collected: 10/05/22 09:10 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	83-32-9	
Acenaphthylene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	208-96-8	
Anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	207-08-9	
Benzoic Acid	ND	ug/kg	1740	1	10/06/22 14:38	10/13/22 18:37	65-85-0	
Benzyl alcohol	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	85-68-7	
Carbazole	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	59-50-7	
4-Chloroaniline	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	108-60-1	
2-Chloronaphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	91-58-7	
2-Chlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	7005-72-3	
Chrysene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	53-70-3	
Dibenzofuran	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	120-83-2	
Diethylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	105-67-9	
Dimethylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1740	1	10/06/22 14:38	10/13/22 18:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1740	1	10/06/22 14:38	10/13/22 18:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	117-81-7	
Fluoranthene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	206-44-0	
Fluorene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	77-47-4	
Hexachloroethane	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	67-72-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: SB-7-(4-7)** **Lab ID: 60412140015** Collected: 10/05/22 09:10 Received: 10/05/22 14:37 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	193-39-5	
Isophorone	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	78-59-1	
2-Methylnaphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	15831-10-4	
Naphthalene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	91-20-3	
2-Nitroaniline	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	88-74-4	
3-Nitroaniline	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	99-09-2	
4-Nitroaniline	ND	ug/kg	686	1	10/06/22 14:38	10/13/22 18:37	100-01-6	
Nitrobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	98-95-3	
2-Nitrophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	88-75-5	
4-Nitrophenol	ND	ug/kg	1740	1	10/06/22 14:38	10/13/22 18:37	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	86-30-6	
Pentachlorophenol	ND	ug/kg	1740	1	10/06/22 14:38	10/13/22 18:37	87-86-5	
Phenanthrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	85-01-8	
Phenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	108-95-2	
Pyrene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	129-00-0	
Pyridine	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	343	1	10/06/22 14:38	10/13/22 18:37	88-06-2	
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	79	%	30-120	1	10/06/22 14:38	10/13/22 18:37	4165-60-0	
2-Fluorobiphenyl (S)	69	%	40-120	1	10/06/22 14:38	10/13/22 18:37	321-60-8	
Terphenyl-d14 (S)	68	%	45-120	1	10/06/22 14:38	10/13/22 18:37	1718-51-0	
Phenol-d6 (S)	76	%	40-120	1	10/06/22 14:38	10/13/22 18:37	13127-88-3	
2-Fluorophenol (S)	74	%	40-120	1	10/06/22 14:38	10/13/22 18:37	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120	1	10/06/22 14:38	10/13/22 18:37	118-79-6	
<b>8270 MSSV DRO/ORO</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	16.8	mg/kg	16.4	1	10/06/22 14:35	10/10/22 20:52		
TPH-DRO	ND	mg/kg	16.4	1	10/06/22 14:35	10/10/22 20:52		
<b>Surrogates</b>								
Nitrobenzene-d5 (S)	98	%	35-120	1	10/06/22 14:35	10/10/22 20:52	4165-60-0	
2-Fluorobiphenyl (S)	70	%	50-120	1	10/06/22 14:35	10/10/22 20:52	321-60-8	
Terphenyl-d14 (S)	75	%	45-120	1	10/06/22 14:35	10/10/22 20:52	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	21.2	1	10/06/22 10:24	10/06/22 15:08	67-64-1	
Benzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	74-97-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: SB-7-(4-7) Lab ID: 60412140015 Collected: 10/05/22 09:10 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Bromodichloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-27-4	
Bromoform	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-25-2	
Bromomethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 15:08	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.5	1	10/06/22 10:24	10/06/22 15:08	98-06-6	
Carbon disulfide	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	108-90-7	
Chloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-00-3	
Chloroform	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	67-66-3	
Chloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 15:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	87-68-3	
2-Hexanone	ND	ug/kg	21.2	1	10/06/22 10:24	10/06/22 15:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	99-87-6	
Methylene Chloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 15:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	1634-04-4	
Naphthalene	ND	ug/kg	10.6	1	10/06/22 10:24	10/06/22 15:08	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	103-65-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: **SB-7-(4-7)** Lab ID: **60412140015** Collected: 10/05/22 09:10 Received: 10/05/22 14:37 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Styrene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	127-18-4	
Toluene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	75-01-4	
Xylene (Total)	ND	ug/kg	5.3	1	10/06/22 10:24	10/06/22 15:08	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	10/06/22 10:24	10/06/22 15:08	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-125	1	10/06/22 10:24	10/06/22 15:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 15:08	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.53	1	10/06/22 10:24	10/06/22 15:08		
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	78-122	1	10/06/22 10:24	10/06/22 15:08	2037-26-5	
4-Bromofluorobenzene (S)	93	%	69-133	1	10/06/22 10:24	10/06/22 15:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 15:08	2199-69-1	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	9.2	%	0.50	1		10/06/22 09:37		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Sample: TRIP BLANK Lab ID: 60412140016 Collected: 10/05/22 12:45 Received: 10/05/22 14:37 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	10/06/22 10:24	10/06/22 11:14	67-64-1	
Benzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-27-4	
Bromoform	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	10/06/22 10:24	10/06/22 11:14	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	10/06/22 10:24	10/06/22 11:14	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-00-3	
Chloroform	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	10/06/22 10:24	10/06/22 11:14	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	10/06/22 10:24	10/06/22 11:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-09-2	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

**Sample: TRIP BLANK**      **Lab ID: 60412140016**      Collected: 10/05/22 12:45      Received: 10/05/22 14:37      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260B    Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	10/06/22 10:24	10/06/22 11:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	10/06/22 10:24	10/06/22 11:14	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	103-65-1	
Styrene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	127-18-4	
Toluene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	10/06/22 10:24	10/06/22 11:14	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	80-120	1	10/06/22 10:24	10/06/22 11:14	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-125	1	10/06/22 10:24	10/06/22 11:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	10/06/22 10:24	10/06/22 11:14	2199-69-1	
<b>8260 MSV GRO and Oxygenates</b>								
Analytical Method: EPA 8260    Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.50	1	10/06/22 10:24	10/06/22 11:14		
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	78-122	1	10/06/22 10:24	10/06/22 11:14	2037-26-5	
4-Bromofluorobenzene (S)	93	%	69-133	1	10/06/22 10:24	10/06/22 11:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	10/06/22 10:24	10/06/22 11:14	2199-69-1	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	812631	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

METHOD BLANK:	3231537	Matrix:	Solid
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/17/22 10:17	

LABORATORY CONTROL SAMPLE: 3231538						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.51	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					3231539	3231540							
		60412140001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Parameter	Units	Result											
Mercury	mg/kg	ND	0.47	0.46	0.50	0.48	103	102	75-125	3	20		

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	811552	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

METHOD BLANK:	3227609	Matrix:	Solid
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	7.5	10/11/22 16:01	
Calcium	mg/kg	ND	20.0	10/11/22 16:01	
Iron	mg/kg	ND	5.0	10/11/22 16:01	
Magnesium	mg/kg	ND	5.0	10/11/22 16:01	
Potassium	mg/kg	ND	50.0	10/11/22 16:01	
Sodium	mg/kg	ND	50.0	10/11/22 16:01	

LABORATORY CONTROL SAMPLE: 3227610

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	1000	932	93	80-120	
Calcium	mg/kg	1000	1000	100	80-120	
Iron	mg/kg	1000	987	99	80-120	
Magnesium	mg/kg	1000	929	93	80-120	
Potassium	mg/kg	1000	974	97	80-120	
Sodium	mg/kg	1000	925	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3227611 3227612

Parameter	Units	60412140001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Aluminum	mg/kg	8590	998	1040	13900	15000	528	616	75-125	8	20	M1
Calcium	mg/kg	1620	998	1040	2400	2660	78	101	75-125	10	20	
Iron	mg/kg	9050	998	1040	10800	10800	180	165	75-125	1	20	M1
Magnesium	mg/kg	831	998	1040	1890	2050	106	117	75-125	8	20	
Potassium	mg/kg	690	998	1040	2210	2400	152	165	75-125	8	20	M1
Sodium	mg/kg	ND	998	1040	902	948	87	88	75-125	5	20	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch: 811551

Analysis Method: EPA 6020

QC Batch Method: EPA 3050

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

METHOD BLANK: 3227605

Matrix: Solid

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	1.0	10/18/22 16:23	
Arsenic	mg/kg	ND	1.0	10/18/22 16:23	
Barium	mg/kg	ND	1.0	10/18/22 16:23	
Beryllium	mg/kg	ND	0.50	10/18/22 16:23	
Cadmium	mg/kg	ND	0.50	10/18/22 16:23	
Chromium	mg/kg	ND	1.0	10/18/22 16:23	
Cobalt	mg/kg	ND	1.0	10/18/22 16:23	
Copper	mg/kg	ND	1.0	10/18/22 16:23	
Lead	mg/kg	ND	1.0	10/18/22 16:23	
Manganese	mg/kg	ND	1.0	10/18/22 16:23	
Nickel	mg/kg	ND	1.0	10/18/22 16:23	
Selenium	mg/kg	ND	1.0	10/18/22 16:23	
Silver	mg/kg	ND	0.50	10/18/22 16:23	
Thallium	mg/kg	ND	1.0	10/18/22 16:23	
Vanadium	mg/kg	ND	1.0	10/18/22 16:23	
Zinc	mg/kg	ND	10.0	10/18/22 16:23	

LABORATORY CONTROL SAMPLE: 3227606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	101	101	80-120	
Arsenic	mg/kg	100	98.4	98	80-120	
Barium	mg/kg	100	106	106	80-120	
Beryllium	mg/kg	100	90.1	90	80-120	
Cadmium	mg/kg	100	100	100	80-120	
Chromium	mg/kg	100	105	105	80-120	
Cobalt	mg/kg	100	102	102	80-120	
Copper	mg/kg	100	108	108	80-120	
Lead	mg/kg	100	99.9	100	80-120	
Manganese	mg/kg	100	105	105	80-120	
Nickel	mg/kg	100	107	107	80-120	
Selenium	mg/kg	100	99.0	99	80-120	
Silver	mg/kg	50	45.1	90	80-120	
Thallium	mg/kg	100	101	101	80-120	
Vanadium	mg/kg	100	104	104	80-120	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

LABORATORY CONTROL SAMPLE: 3227606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	mg/kg	100	104	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3227607 3227608

Parameter	Units	60412140001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	99.8	104	52.3	53.2	52	51	75-125	2	20	M1
Arsenic	mg/kg	3.6	99.8	104	97.7	101	94	94	75-125	3	20	
Barium	mg/kg	118	99.8	104	255	240	137	118	75-125	6	20	M1
Beryllium	mg/kg	ND	99.8	104	89.6	91.4	89	88	75-125	2	20	
Cadmium	mg/kg	ND	99.8	104	98.0	101	98	98	75-125	3	20	
Chromium	mg/kg	10.6	99.8	104	116	118	106	104	75-125	2	20	
Cobalt	mg/kg	4.5	99.8	104	101	104	97	96	75-125	3	20	
Copper	mg/kg	5.1	99.8	104	108	111	103	102	75-125	3	20	
Lead	mg/kg	9.2	99.8	104	109	111	100	98	75-125	2	20	
Manganese	mg/kg	217	99.8	104	351	310	134	89	75-125	12	20	M1
Nickel	mg/kg	6.8	99.8	104	111	113	104	103	75-125	2	20	
Selenium	mg/kg	1.3	99.8	104	95.5	100	94	95	75-125	5	20	
Silver	mg/kg	ND	49.9	51.8	45.0	45.9	90	89	75-125	2	20	
Thallium	mg/kg	ND	99.8	104	97.9	100	98	96	75-125	2	20	
Vanadium	mg/kg	21.7	99.8	104	132	132	110	107	75-125	0	20	
Zinc	mg/kg	22.9	99.8	104	126	129	103	102	75-125	3	20	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	811387	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 5035A/5030	Analysis Description:	8260 MSV 5035A Volatile Organics
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015, 60412140016		

METHOD BLANK: 3226924

Matrix: Solid

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015, 60412140016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,1-Dichloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,1-Dichloroethene	ug/kg	ND	5.0	10/06/22 09:53	
1,1-Dichloropropene	ug/kg	ND	5.0	10/06/22 09:53	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/06/22 09:53	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	10/06/22 09:53	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dichloroethane	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dichloropropane	ug/kg	ND	5.0	10/06/22 09:53	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	
1,3-Dichloropropane	ug/kg	ND	5.0	10/06/22 09:53	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	
2,2-Dichloropropane	ug/kg	ND	5.0	10/06/22 09:53	
2-Butanone (MEK)	ug/kg	ND	10.0	10/06/22 09:53	
2-Chlorotoluene	ug/kg	ND	5.0	10/06/22 09:53	
2-Hexanone	ug/kg	ND	20.0	10/06/22 09:53	
4-Chlorotoluene	ug/kg	ND	5.0	10/06/22 09:53	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	10/06/22 09:53	
Acetone	ug/kg	ND	20.0	10/06/22 09:53	
Benzene	ug/kg	ND	5.0	10/06/22 09:53	
Bromobenzene	ug/kg	ND	5.0	10/06/22 09:53	
Bromochloromethane	ug/kg	ND	5.0	10/06/22 09:53	
Bromodichloromethane	ug/kg	ND	5.0	10/06/22 09:53	
Bromoform	ug/kg	ND	5.0	10/06/22 09:53	
Bromomethane	ug/kg	ND	5.0	10/06/22 09:53	
Carbon disulfide	ug/kg	ND	5.0	10/06/22 09:53	
Carbon tetrachloride	ug/kg	ND	5.0	10/06/22 09:53	
Chlorobenzene	ug/kg	ND	5.0	10/06/22 09:53	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

METHOD BLANK: 3226924

Matrix: Solid

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015, 60412140016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/kg	ND	5.0	10/06/22 09:53	
Chloroform	ug/kg	ND	5.0	10/06/22 09:53	
Chloromethane	ug/kg	ND	5.0	10/06/22 09:53	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/06/22 09:53	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/06/22 09:53	
Dibromochloromethane	ug/kg	ND	5.0	10/06/22 09:53	
Dibromomethane	ug/kg	ND	5.0	10/06/22 09:53	
Dichlorodifluoromethane	ug/kg	ND	5.0	10/06/22 09:53	
Ethylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	10/06/22 09:53	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/06/22 09:53	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/06/22 09:53	
Methylene Chloride	ug/kg	ND	5.0	10/06/22 09:53	
n-Butylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
n-Propylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
Naphthalene	ug/kg	ND	10.0	10/06/22 09:53	
p-Isopropyltoluene	ug/kg	ND	5.0	10/06/22 09:53	
sec-Butylbenzene	ug/kg	ND	5.0	10/06/22 09:53	
Styrene	ug/kg	ND	5.0	10/06/22 09:53	
tert-Butylbenzene	ug/kg	ND	25.0	10/06/22 09:53	
Tetrachloroethene	ug/kg	ND	5.0	10/06/22 09:53	
Toluene	ug/kg	ND	5.0	10/06/22 09:53	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/06/22 09:53	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/06/22 09:53	
Trichloroethene	ug/kg	ND	5.0	10/06/22 09:53	
Trichlorofluoromethane	ug/kg	ND	5.0	10/06/22 09:53	
Vinyl chloride	ug/kg	ND	5.0	10/06/22 09:53	
Xylene (Total)	ug/kg	ND	5.0	10/06/22 09:53	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120	10/06/22 09:53	
4-Bromofluorobenzene (S)	%	92	80-125	10/06/22 09:53	
Toluene-d8 (S)	%	108	80-120	10/06/22 09:53	

LABORATORY CONTROL SAMPLE: 3226925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	100	100	80-125	
1,1,1-Trichloroethane	ug/kg	100	93.8	94	80-125	
1,1,2,2-Tetrachloroethane	ug/kg	100	86.0	86	70-125	
1,1,2-Trichloroethane	ug/kg	100	91.2	91	80-125	
1,1-Dichloroethane	ug/kg	100	87.6	88	75-120	
1,1-Dichloroethene	ug/kg	100	91.4	91	70-125	
1,1-Dichloropropene	ug/kg	100	93.1	93	80-125	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

LABORATORY CONTROL SAMPLE: 3226925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	100	94.5	95	75-135	
1,2,3-Trichloropropane	ug/kg	100	81.9	82	70-125	
1,2,4-Trichlorobenzene	ug/kg	100	96.9	97	70-135	
1,2,4-Trimethylbenzene	ug/kg	100	89.5	89	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	78.8	79	70-135	
1,2-Dibromoethane (EDB)	ug/kg	100	94.9	95	80-125	
1,2-Dichlorobenzene	ug/kg	100	97.7	98	80-120	
1,2-Dichloroethane	ug/kg	100	84.3	84	75-125	
1,2-Dichloroethene (Total)	ug/kg	200	186	93	80-120	
1,2-Dichloropropane	ug/kg	100	82.7	83	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	95.1	95	80-125	
1,3-Dichlorobenzene	ug/kg	100	94.3	94	80-120	
1,3-Dichloropropane	ug/kg	100	89.7	90	80-125	
1,4-Dichlorobenzene	ug/kg	100	93.8	94	80-120	
2,2-Dichloropropane	ug/kg	100	91.3	91	75-125	
2-Butanone (MEK)	ug/kg	500	428	86	45-155	
2-Chlorotoluene	ug/kg	100	85.5	86	75-120	
2-Hexanone	ug/kg	500	459	92	60-145	
4-Chlorotoluene	ug/kg	100	98.6	99	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	382	76	65-135	
Acetone	ug/kg	500	483	97	25-170	
Benzene	ug/kg	100	90.4	90	80-120	
Bromobenzene	ug/kg	100	91.6	92	80-120	
Bromochloromethane	ug/kg	100	90.1	90	75-125	
Bromodichloromethane	ug/kg	100	85.6	86	80-120	
Bromoform	ug/kg	100	98.3	98	75-130	
Bromomethane	ug/kg	100	65.7	66	40-140	
Carbon disulfide	ug/kg	100	87.0	87	60-130	
Carbon tetrachloride	ug/kg	100	97.9	98	80-125	
Chlorobenzene	ug/kg	100	101	101	80-120	
Chloroethane	ug/kg	100	85.8	86	55-130	
Chloroform	ug/kg	100	91.8	92	80-120	
Chloromethane	ug/kg	100	57.0	57	40-130	
cis-1,2-Dichloroethene	ug/kg	100	92.0	92	80-120	
cis-1,3-Dichloropropene	ug/kg	100	82.8	83	80-125	
Dibromochloromethane	ug/kg	100	99.4	99	80-125	
Dibromomethane	ug/kg	100	89.9	90	80-120	
Dichlorodifluoromethane	ug/kg	100	39.2	39	15-150	
Ethylbenzene	ug/kg	100	100	100	80-125	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	70-135	
Isopropylbenzene (Cumene)	ug/kg	100	101	101	80-130	
Methyl-tert-butyl ether	ug/kg	100	80.3	80	75-125	
Methylene Chloride	ug/kg	100	88.8	89	70-125	
n-Butylbenzene	ug/kg	100	99.3	99	80-125	
n-Propylbenzene	ug/kg	100	92.1	92	80-120	
Naphthalene	ug/kg	100	86.8	87	75-130	
p-Isopropyltoluene	ug/kg	100	94.1	94	80-125	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

LABORATORY CONTROL SAMPLE: 3226925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/kg	100	95.8	96	80-125	
Styrene	ug/kg	100	100	100	80-130	
tert-Butylbenzene	ug/kg	100	92.7	93	80-125	
Tetrachloroethene	ug/kg	100	110	110	75-135	
Toluene	ug/kg	100	99.2	99	80-120	
trans-1,2-Dichloroethene	ug/kg	100	93.7	94	80-120	
trans-1,3-Dichloropropene	ug/kg	100	91.6	92	80-120	
Trichloroethene	ug/kg	100	91.2	91	80-120	
Trichlorofluoromethane	ug/kg	100	86.5	87	60-130	
Vinyl chloride	ug/kg	100	73.2	73	40-135	
Xylene (Total)	ug/kg	300	306	102	80-125	
1,2-Dichlorobenzene-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			87	80-125	
Toluene-d8 (S)	%			106	80-120	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	811388	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015, 60412140016		

METHOD BLANK:	3226926	Matrix:	Solid
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015, 60412140016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	10/06/22 09:53	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120	10/06/22 09:53	
4-Bromofluorobenzene (S)	%	92	69-133	10/06/22 09:53	
Toluene-d8 (S)	%	108	78-122	10/06/22 09:53	

LABORATORY CONTROL SAMPLE: 3226927						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.2	105	61-140	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			89	69-133	
Toluene-d8 (S)	%			106	78-122	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	811299	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

METHOD BLANK:	3226584	Matrix:	Solid
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.3	10/12/22 11:22	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.3	10/12/22 11:22	
Decachlorobiphenyl (S)	%	62	20-120	10/12/22 11:22	

LABORATORY CONTROL SAMPLE: 3226585						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	102	62	48-120	
PCB-1260 (Aroclor 1260)	ug/kg	164	111	68	55-120	
Decachlorobiphenyl (S)	%			63	20-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3226586					3226587							
		60412029001	MS	MSD								
Parameter	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	5000	3910	3690	2630	74	67	48-120	34	40	
PCB-1260 (Aroclor 1260)	ug/kg	ND	5000	3910	2730	2210	55	57	55-120	21	40	
Decachlorobiphenyl (S)	%						52	50	20-120		40	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION  
Pace Project No.: 60412140

QC Batch:	811331	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

METHOD BLANK: 3226717 Matrix: Solid

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	315	10/12/22 22:11	
1,2-Dichlorobenzene	ug/kg	ND	315	10/12/22 22:11	
1,3-Dichlorobenzene	ug/kg	ND	315	10/12/22 22:11	
1,4-Dichlorobenzene	ug/kg	ND	315	10/12/22 22:11	
2,4,5-Trichlorophenol	ug/kg	ND	315	10/12/22 22:11	
2,4,6-Trichlorophenol	ug/kg	ND	315	10/12/22 22:11	
2,4-Dichlorophenol	ug/kg	ND	315	10/12/22 22:11	
2,4-Dimethylphenol	ug/kg	ND	315	10/12/22 22:11	
2,4-Dinitrophenol	ug/kg	ND	1590	10/12/22 22:11	
2,4-Dinitrotoluene	ug/kg	ND	315	10/12/22 22:11	
2,6-Dinitrotoluene	ug/kg	ND	315	10/12/22 22:11	
2-Chloronaphthalene	ug/kg	ND	315	10/12/22 22:11	
2-Chlorophenol	ug/kg	ND	315	10/12/22 22:11	
2-Methylnaphthalene	ug/kg	ND	315	10/12/22 22:11	
2-Methylphenol(o-Cresol)	ug/kg	ND	315	10/12/22 22:11	
2-Nitroaniline	ug/kg	ND	629	10/12/22 22:11	
2-Nitrophenol	ug/kg	ND	315	10/12/22 22:11	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	315	10/12/22 22:11	
3,3'-Dichlorobenzidine	ug/kg	ND	629	10/12/22 22:11	
3-Nitroaniline	ug/kg	ND	629	10/12/22 22:11	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1590	10/12/22 22:11	
4-Bromophenylphenyl ether	ug/kg	ND	315	10/12/22 22:11	
4-Chloro-3-methylphenol	ug/kg	ND	629	10/12/22 22:11	
4-Chloroaniline	ug/kg	ND	629	10/12/22 22:11	
4-Chlorophenylphenyl ether	ug/kg	ND	315	10/12/22 22:11	
4-Nitroaniline	ug/kg	ND	629	10/12/22 22:11	
4-Nitrophenol	ug/kg	ND	1590	10/12/22 22:11	
Acenaphthene	ug/kg	ND	315	10/12/22 22:11	
Acenaphthylene	ug/kg	ND	315	10/12/22 22:11	
Anthracene	ug/kg	ND	315	10/12/22 22:11	
Benzo(a)anthracene	ug/kg	ND	315	10/12/22 22:11	
Benzo(a)pyrene	ug/kg	ND	315	10/12/22 22:11	
Benzo(b)fluoranthene	ug/kg	ND	315	10/12/22 22:11	
Benzo(g,h,i)perylene	ug/kg	ND	315	10/12/22 22:11	
Benzo(k)fluoranthene	ug/kg	ND	315	10/12/22 22:11	
Benzoic Acid	ug/kg	ND	1590	10/12/22 22:11	
Benzyl alcohol	ug/kg	ND	629	10/12/22 22:11	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

METHOD BLANK: 3226717

Matrix: Solid

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethoxy)methane	ug/kg	ND	315	10/12/22 22:11	
bis(2-Chloroethyl) ether	ug/kg	ND	315	10/12/22 22:11	
bis(2-Chloroisopropyl) ether	ug/kg	ND	315	10/12/22 22:11	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	315	10/12/22 22:11	
Butylbenzylphthalate	ug/kg	ND	315	10/12/22 22:11	
Carbazole	ug/kg	ND	315	10/12/22 22:11	
Chrysene	ug/kg	ND	315	10/12/22 22:11	
Di-n-butylphthalate	ug/kg	ND	315	10/12/22 22:11	
Di-n-octylphthalate	ug/kg	ND	315	10/12/22 22:11	
Dibenz(a,h)anthracene	ug/kg	ND	315	10/12/22 22:11	
Dibenzofuran	ug/kg	ND	315	10/12/22 22:11	
Diethylphthalate	ug/kg	ND	315	10/12/22 22:11	
Dimethylphthalate	ug/kg	ND	315	10/12/22 22:11	
Fluoranthene	ug/kg	ND	315	10/12/22 22:11	
Fluorene	ug/kg	ND	315	10/12/22 22:11	
Hexachloro-1,3-butadiene	ug/kg	ND	315	10/12/22 22:11	
Hexachlorobenzene	ug/kg	ND	315	10/12/22 22:11	
Hexachlorocyclopentadiene	ug/kg	ND	315	10/12/22 22:11	
Hexachloroethane	ug/kg	ND	315	10/12/22 22:11	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	315	10/12/22 22:11	
Isophorone	ug/kg	ND	315	10/12/22 22:11	
N-Nitroso-di-n-propylamine	ug/kg	ND	315	10/12/22 22:11	
N-Nitrosodiphenylamine	ug/kg	ND	315	10/12/22 22:11	
Naphthalene	ug/kg	ND	315	10/12/22 22:11	
Nitrobenzene	ug/kg	ND	315	10/12/22 22:11	
Pentachlorophenol	ug/kg	ND	1590	10/12/22 22:11	
Phenanthrene	ug/kg	ND	315	10/12/22 22:11	
Phenol	ug/kg	ND	315	10/12/22 22:11	
Pyrene	ug/kg	ND	315	10/12/22 22:11	
Pyridine	ug/kg	ND	315	10/12/22 22:11	
2,4,6-Tribromophenol (S)	%	106	35-120	10/12/22 22:11	
2-Fluorobiphenyl (S)	%	91	40-120	10/12/22 22:11	
2-Fluorophenol (S)	%	96	40-120	10/12/22 22:11	
Nitrobenzene-d5 (S)	%	107	30-120	10/12/22 22:11	
Phenol-d6 (S)	%	98	40-120	10/12/22 22:11	
Terphenyl-d14 (S)	%	89	45-120	10/12/22 22:11	

LABORATORY CONTROL SAMPLE: 3226718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1620	1370	84	50-120	
1,2-Dichlorobenzene	ug/kg	1620	1370	84	45-120	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

LABORATORY CONTROL SAMPLE: 3226718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	1620	1360	84	45-120	
1,4-Dichlorobenzene	ug/kg	1620	1360	84	45-120	
2,4,5-Trichlorophenol	ug/kg	1620	1400	86	50-120	
2,4,6-Trichlorophenol	ug/kg	1620	1410	87	45-120	
2,4-Dichlorophenol	ug/kg	1620	1420	88	50-120	
2,4-Dimethylphenol	ug/kg	1620	1360	84	40-120	
2,4-Dinitrophenol	ug/kg	1620	683J	42	10-145	
2,4-Dinitrotoluene	ug/kg	1620	1510	93	50-120	
2,6-Dinitrotoluene	ug/kg	1620	1480	91	50-120	
2-Chloronaphthalene	ug/kg	1620	1460	90	45-120	
2-Chlorophenol	ug/kg	1620	1420	87	45-120	
2-Methylnaphthalene	ug/kg	1620	1380	85	50-120	
2-Methylphenol(o-Cresol)	ug/kg	1620	1540	95	45-120	
2-Nitroaniline	ug/kg	1620	1770	109	45-120	
2-Nitrophenol	ug/kg	1620	1400	87	45-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1620	1510	93	45-120	
3,3'-Dichlorobenzidine	ug/kg	1620	1500	92	10-120	
3-Nitroaniline	ug/kg	1620	1030	63	15-120	
4,6-Dinitro-2-methylphenol	ug/kg	1620	898J	55	20-135	
4-Bromophenylphenyl ether	ug/kg	1620	1480	92	50-120	
4-Chloro-3-methylphenol	ug/kg	1620	1610	99	50-120	
4-Chloroaniline	ug/kg	1620	771	48	10-120	
4-Chlorophenylphenyl ether	ug/kg	1620	1490	92	50-120	
4-Nitroaniline	ug/kg	1620	1330	82	45-120	
4-Nitrophenol	ug/kg	1620	1850	114	45-125	
Acenaphthene	ug/kg	1620	1510	93	50-120	
Acenaphthylene	ug/kg	1620	1440	89	50-120	
Anthracene	ug/kg	1620	1370	84	50-120	
Benzo(a)anthracene	ug/kg	1620	1490	92	50-120	
Benzo(a)pyrene	ug/kg	1620	1310	81	50-120	
Benzo(b)fluoranthene	ug/kg	1620	1570	97	50-120	
Benzo(g,h,i)perylene	ug/kg	1620	1490	92	45-120	
Benzo(k)fluoranthene	ug/kg	1620	1330	82	50-120	
Benzoic Acid	ug/kg	1620	696J	43	10-155	
Benzyl alcohol	ug/kg	1620	1490	92	45-120	
bis(2-Chloroethoxy)methane	ug/kg	1620	1560	96	45-120	
bis(2-Chloroethyl) ether	ug/kg	1620	1550	96	45-120	
bis(2-Chloroisopropyl) ether	ug/kg	1620	1340	83	40-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1620	1540	95	50-125	
Butylbenzylphthalate	ug/kg	1620	1540	95	55-120	
Carbazole	ug/kg	1620	1470	91	50-120	
Chrysene	ug/kg	1620	1400	86	50-120	
Di-n-butylphthalate	ug/kg	1620	1500	93	50-120	
Di-n-octylphthalate	ug/kg	1620	1490	92	55-125	
Dibenz(a,h)anthracene	ug/kg	1620	1540	95	45-120	
Dibenzofuran	ug/kg	1620	1520	94	50-120	
Diethylphthalate	ug/kg	1620	1560	96	50-120	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

LABORATORY CONTROL SAMPLE: 3226718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethylphthalate	ug/kg	1620	1510	93	50-120	
Fluoranthene	ug/kg	1620	1450	90	50-120	
Fluorene	ug/kg	1620	1540	95	50-120	
Hexachloro-1,3-butadiene	ug/kg	1620	1510	93	50-120	
Hexachlorobenzene	ug/kg	1620	1560	96	50-120	
Hexachlorocyclopentadiene	ug/kg	1620	1000	62	20-120	
Hexachloroethane	ug/kg	1620	1460	90	45-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1620	1560	96	45-120	
Isophorone	ug/kg	1620	1650	102	45-120	
N-Nitroso-di-n-propylamine	ug/kg	1620	1660	102	45-120	
N-Nitrosodiphenylamine	ug/kg	1620	1510	93	50-120	
Naphthalene	ug/kg	1620	1480	91	50-120	
Nitrobenzene	ug/kg	1620	1730	107	45-120	
Pentachlorophenol	ug/kg	1620	983J	61	25-135	
Phenanthrene	ug/kg	1620	1370	85	50-120	
Phenol	ug/kg	1620	1540	95	45-120	
Pyrene	ug/kg	1620	1440	89	55-120	
Pyridine	ug/kg	1620	1170	72	25-120	
2,4,6-Tribromophenol (S)	%			108	35-120	
2-Fluorobiphenyl (S)	%			88	40-120	
2-Fluorophenol (S)	%			90	40-120	
Nitrobenzene-d5 (S)	%			100	30-120	
Phenol-d6 (S)	%			91	40-120	
Terphenyl-d14 (S)	%			86	45-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3226719 3226720

Parameter	Units	60412140002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1830	1820	1110	1100	60	60	38-120	1	26	
1,2-Dichlorobenzene	ug/kg	ND	1830	1820	1110	1100	60	60	35-120	1	31	
1,3-Dichlorobenzene	ug/kg	ND	1830	1820	1090	1090	60	60	35-120	1	31	
1,4-Dichlorobenzene	ug/kg	ND	1830	1820	1100	1090	60	60	40-120	1	30	
2,4,5-Trichlorophenol	ug/kg	ND	1830	1820	1110	1100	61	60	40-125	1	31	
2,4,6-Trichlorophenol	ug/kg	ND	1830	1820	1120	1140	61	63	40-120	2	31	
2,4-Dichlorophenol	ug/kg	ND	1830	1820	1130	1140	62	63	35-120	1	29	
2,4-Dimethylphenol	ug/kg	ND	1830	1820	1130	1110	62	61	20-120	2	32	
2,4-Dinitrophenol	ug/kg	ND	1830	1820	260J	260J	14	14	10-125		35	
2,4-Dinitrotoluene	ug/kg	ND	1830	1820	1170	1160	64	64	25-135	1	32	
2,6-Dinitrotoluene	ug/kg	ND	1830	1820	1160	1170	63	65	20-140	1	25	
2-Chloronaphthalene	ug/kg	ND	1830	1820	1180	1190	64	65	35-120	1	28	
2-Chlorophenol	ug/kg	ND	1830	1820	1160	1150	64	63	30-120	1	31	
2-Methylnaphthalene	ug/kg	ND	1830	1820	1100	1120	60	61	35-120	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1830	1820	1240	1230	68	68	40-120	1	32	
2-Nitroaniline	ug/kg	ND	1830	1820	1380	1400	76	77	30-140	1	28	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3226719 3226720											
Parameter	Units	60412140002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2-Nitrophenol	ug/kg	ND	1830	1820	1130	1120	62	62	10-165	1	30
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1830	1820	1210	1200	66	66	40-120	1	30
3,3'-Dichlorobenzidine	ug/kg	ND	1830	1820	998	1290	55	71	10-120	25	39
3-Nitroaniline	ug/kg	ND	1830	1820	857	1010	47	55	10-130	16	27
4,6-Dinitro-2-methylphenol	ug/kg	ND	1830	1820	441J	422J	24	23	10-130		30
4-Bromophenylphenyl ether	ug/kg	ND	1830	1820	1160	1170	63	64	40-120	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1830	1820	1260	1270	69	70	35-125	1	30
4-Chloroaniline	ug/kg	ND	1830	1820	566J	745	31	41	10-120		33
4-Chlorophenylphenyl ether	ug/kg	ND	1830	1820	1170	1190	64	65	40-120	2	33
4-Nitroaniline	ug/kg	ND	1830	1820	1050	1080	57	60	15-125	3	47
4-Nitrophenol	ug/kg	ND	1830	1820	1390J	1380J	76	76	20-140		35
Acenaphthene	ug/kg	ND	1830	1820	1190	1210	65	67	40-120	2	23
Acenaphthylene	ug/kg	ND	1830	1820	1140	1140	62	63	40-120	0	29
Anthracene	ug/kg	ND	1830	1820	1080	1080	59	60	40-120	0	30
Benzo(a)anthracene	ug/kg	ND	1830	1820	1170	1170	64	64	35-130	0	32
Benzo(a)pyrene	ug/kg	ND	1830	1820	1050	1040	57	57	25-135	0	33
Benzo(b)fluoranthene	ug/kg	ND	1830	1820	1230	1250	67	69	15-145	2	37
Benzo(g,h,i)perylene	ug/kg	ND	1830	1820	1120	1120	61	62	25-120	0	41
Benzo(k)fluoranthene	ug/kg	ND	1830	1820	1080	1080	59	59	35-125	0	32
Benzoic Acid	ug/kg	ND	1830	1820	448J	481J	24	26	10-160		35
Benzyl alcohol	ug/kg	ND	1830	1820	1200	1200	65	65	40-120	0	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1830	1820	1260	1270	69	70	35-120	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1830	1820	1250	1250	68	69	35-120	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1830	1820	1120	1100	61	61	30-150	1	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1830	1820	1250	1240	68	68	30-150	1	33
Butylbenzylphthalate	ug/kg	ND	1830	1820	1250	1230	68	68	25-155	1	33
Carbazole	ug/kg	ND	1830	1820	1140	1130	62	62	40-120	1	30
Chrysene	ug/kg	ND	1830	1820	1110	1110	61	61	30-125	0	31
Di-n-butylphthalate	ug/kg	ND	1830	1820	1190	1180	65	65	40-125	1	31
Di-n-octylphthalate	ug/kg	ND	1830	1820	1250	1270	68	70	35-155	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1830	1820	1180	1170	64	64	30-125	0	35
Dibenzofuran	ug/kg	ND	1830	1820	1210	1220	66	67	35-125	1	28
Diethylphthalate	ug/kg	ND	1830	1820	1220	1230	67	68	40-120	0	31
Dimethylphthalate	ug/kg	ND	1830	1820	1200	1200	66	66	40-120	0	30
Fluoranthene	ug/kg	ND	1830	1820	1130	1120	62	62	30-130	0	32
Fluorene	ug/kg	ND	1830	1820	1200	1220	66	67	40-120	2	32
Hexachloro-1,3-butadiene	ug/kg	ND	1830	1820	1200	1210	66	66	40-120	1	27
Hexachlorobenzene	ug/kg	ND	1830	1820	1240	1240	67	68	45-120	1	31
Hexachlorocyclopentadiene	ug/kg	ND	1830	1820	651	683	36	38	10-125	5	61
Hexachloroethane	ug/kg	ND	1830	1820	1190	1180	65	65	30-120	0	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1830	1820	1180	1180	64	65	30-125	0	38
Isophorone	ug/kg	ND	1830	1820	1330	1320	72	73	40-120	0	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1830	1820	1360	1350	74	74	35-120	1	30
N-Nitrosodiphenylamine	ug/kg	ND	1830	1820	1180	1180	65	65	35-125	0	36

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3226719 3226720												
Parameter	Units	60412140002		MS	MSD	MS		MS	MSD	% Rec	Max	Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	
Naphthalene	ug/kg	ND	1830	1820	1190	1190	65	65	65	25-125	0	31
Nitrobenzene	ug/kg	ND	1830	1820	1420	1390	77	77	77	40-120	2	29
Pentachlorophenol	ug/kg	ND	1830	1820	742J	721J	41	40	40	15-150		35
Phenanthrene	ug/kg	ND	1830	1820	1080	1080	59	60	60	35-125	0	29
Phenol	ug/kg	ND	1830	1820	1230	1230	67	67	67	30-120	0	29
Pyrene	ug/kg	ND	1830	1820	1150	1150	63	63	63	35-135	1	38
Pyridine	ug/kg	ND	1830	1820	860	855	47	47	47	10-120	1	35
2,4,6-Tribromophenol (S)	%						72	71	71	35-120		
2-Fluorobiphenyl (S)	%						62	62	62	40-120		
2-Fluorophenol (S)	%						63	62	62	40-120		
Nitrobenzene-d5 (S)	%						71	71	71	30-120		
Phenol-d6 (S)	%						64	64	64	40-120		
Terphenyl-d14 (S)	%						61	62	62	45-120		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION  
Pace Project No.: 60412140

QC Batch:	811319	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV TPH ORO
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

METHOD BLANK:	3226663	Matrix:	Solid
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Associated Lab Samples: 60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.8	10/11/22 08:29	
TPH-ORO	mg/kg	ND	14.8	10/11/22 08:29	
2-Fluorobiphenyl (S)	%	89	50-120	10/11/22 08:29	
Nitrobenzene-d5 (S)	%	84	35-120	10/11/22 08:29	
Terphenyl-d14 (S)	%	104	45-120	10/11/22 08:29	

LABORATORY CONTROL SAMPLE: 3226664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	329	312	95	40-125	
2-Fluorobiphenyl (S)	%			69	50-120	
Nitrobenzene-d5 (S)	%			72	35-120	
Terphenyl-d14 (S)	%			82	45-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3226665 3226666

Parameter	Units	60412140001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	358	349	299	243	83	69	40-125	20	38	
2-Fluorobiphenyl (S)	%						60	60	50-120			
Nitrobenzene-d5 (S)	%						62	60	35-120			
Terphenyl-d14 (S)	%						73	66	45-120			

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412140

QC Batch:	811346	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

METHOD BLANK:	3226755	Matrix:	Solid
Associated Lab Samples:	60412140001, 60412140002, 60412140003, 60412140004, 60412140005, 60412140006, 60412140007, 60412140008, 60412140009, 60412140010, 60412140011, 60412140012, 60412140013, 60412140014, 60412140015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/06/22 09:36	

SAMPLE DUPLICATE: 3226756

Parameter	Units	60412140001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.2	7.3	1	20	

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## QUALIFIERS

Project: NEVADA HABILITATION

Pace Project No.: 60412140

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60412140001	SB-1-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140002	SB-1-(7-8)	EPA 3546	811299	EPA 8082	811874
60412140003	SB-2-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140004	SB-2-(7-10)	EPA 3546	811299	EPA 8082	811874
60412140005	SB-3-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140006	SB-3-(10-11)	EPA 3546	811299	EPA 8082	811874
60412140007	SB-4-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140008	SB-4-(3-5.5)	EPA 3546	811299	EPA 8082	811874
60412140009	SB-5-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140010	SB-5-(0-3)-DUP	EPA 3546	811299	EPA 8082	811874
60412140011	SB-5-(3-6)	EPA 3546	811299	EPA 8082	811874
60412140012	SB-6-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140013	SB-6-(6-9)	EPA 3546	811299	EPA 8082	811874
60412140014	SB-7-(0-3)	EPA 3546	811299	EPA 8082	811874
60412140015	SB-7-(4-7)	EPA 3546	811299	EPA 8082	811874
60412140001	SB-1-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140002	SB-1-(7-8)	EPA 3050	811552	EPA 6010	811610
60412140003	SB-2-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140004	SB-2-(7-10)	EPA 3050	811552	EPA 6010	811610
60412140005	SB-3-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140006	SB-3-(10-11)	EPA 3050	811552	EPA 6010	811610
60412140007	SB-4-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140008	SB-4-(3-5.5)	EPA 3050	811552	EPA 6010	811610
60412140009	SB-5-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140010	SB-5-(0-3)-DUP	EPA 3050	811552	EPA 6010	811610
60412140011	SB-5-(3-6)	EPA 3050	811552	EPA 6010	811610
60412140012	SB-6-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140013	SB-6-(6-9)	EPA 3050	811552	EPA 6010	811610
60412140014	SB-7-(0-3)	EPA 3050	811552	EPA 6010	811610
60412140015	SB-7-(4-7)	EPA 3050	811552	EPA 6010	811610
60412140001	SB-1-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140002	SB-1-(7-8)	EPA 3050	811551	EPA 6020	811609
60412140003	SB-2-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140004	SB-2-(7-10)	EPA 3050	811551	EPA 6020	811609
60412140005	SB-3-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140006	SB-3-(10-11)	EPA 3050	811551	EPA 6020	811609
60412140007	SB-4-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140008	SB-4-(3-5.5)	EPA 3050	811551	EPA 6020	811609
60412140009	SB-5-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140010	SB-5-(0-3)-DUP	EPA 3050	811551	EPA 6020	811609
60412140011	SB-5-(3-6)	EPA 3050	811551	EPA 6020	811609
60412140012	SB-6-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140013	SB-6-(6-9)	EPA 3050	811551	EPA 6020	811609
60412140014	SB-7-(0-3)	EPA 3050	811551	EPA 6020	811609
60412140015	SB-7-(4-7)	EPA 3050	811551	EPA 6020	811609
60412140001	SB-1-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140002	SB-1-(7-8)	EPA 7471	812631	EPA 7471	812970

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60412140003	SB-2-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140004	SB-2-(7-10)	EPA 7471	812631	EPA 7471	812970
60412140005	SB-3-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140006	SB-3-(10-11)	EPA 7471	812631	EPA 7471	812970
60412140007	SB-4-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140008	SB-4-(3-5.5)	EPA 7471	812631	EPA 7471	812970
60412140009	SB-5-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140010	SB-5-(0-3)-DUP	EPA 7471	812631	EPA 7471	812970
60412140011	SB-5-(3-6)	EPA 7471	812631	EPA 7471	812970
60412140012	SB-6-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140013	SB-6-(6-9)	EPA 7471	812631	EPA 7471	812970
60412140014	SB-7-(0-3)	EPA 7471	812631	EPA 7471	812970
60412140015	SB-7-(4-7)	EPA 7471	812631	EPA 7471	812970
60412140001	SB-1-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140002	SB-1-(7-8)	EPA 3546	811331	EPA 8270	812455
60412140003	SB-2-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140004	SB-2-(7-10)	EPA 3546	811331	EPA 8270	812455
60412140005	SB-3-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140006	SB-3-(10-11)	EPA 3546	811331	EPA 8270	812455
60412140007	SB-4-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140008	SB-4-(3-5.5)	EPA 3546	811331	EPA 8270	812455
60412140009	SB-5-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140010	SB-5-(0-3)-DUP	EPA 3546	811331	EPA 8270	812455
60412140011	SB-5-(3-6)	EPA 3546	811331	EPA 8270	812455
60412140012	SB-6-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140013	SB-6-(6-9)	EPA 3546	811331	EPA 8270	812455
60412140014	SB-7-(0-3)	EPA 3546	811331	EPA 8270	812455
60412140015	SB-7-(4-7)	EPA 3546	811331	EPA 8270	812455
60412140001	SB-1-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140002	SB-1-(7-8)	EPA 3546	811319	EPA 8270	811652
60412140003	SB-2-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140004	SB-2-(7-10)	EPA 3546	811319	EPA 8270	811652
60412140005	SB-3-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140006	SB-3-(10-11)	EPA 3546	811319	EPA 8270	811652
60412140007	SB-4-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140008	SB-4-(3-5.5)	EPA 3546	811319	EPA 8270	811652
60412140009	SB-5-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140010	SB-5-(0-3)-DUP	EPA 3546	811319	EPA 8270	811652
60412140011	SB-5-(3-6)	EPA 3546	811319	EPA 8270	811652
60412140012	SB-6-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140013	SB-6-(6-9)	EPA 3546	811319	EPA 8270	811652
60412140014	SB-7-(0-3)	EPA 3546	811319	EPA 8270	811652
60412140015	SB-7-(4-7)	EPA 3546	811319	EPA 8270	811652
60412140001	SB-1-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140002	SB-1-(7-8)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140003	SB-2-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140004	SB-2-(7-10)	EPA 5035A/5030	811387	EPA 8260B	811397

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NEVADA HABILITATION

Pace Project No.: 60412140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60412140005	SB-3-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140006	SB-3-(10-11)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140007	SB-4-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140008	SB-4-(3-5.5)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140009	SB-5-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140010	SB-5-(0-3)-DUP	EPA 5035A/5030	811387	EPA 8260B	811397
60412140011	SB-5-(3-6)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140012	SB-6-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140013	SB-6-(6-9)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140014	SB-7-(0-3)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140015	SB-7-(4-7)	EPA 5035A/5030	811387	EPA 8260B	811397
60412140016	TRIP BLANK	EPA 5035A/5030	811387	EPA 8260B	811397
60412140001	SB-1-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140002	SB-1-(7-8)	EPA 5035	811388	EPA 8260	811398
60412140003	SB-2-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140004	SB-2-(7-10)	EPA 5035	811388	EPA 8260	811398
60412140005	SB-3-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140006	SB-3-(10-11)	EPA 5035	811388	EPA 8260	811398
60412140007	SB-4-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140008	SB-4-(3-5.5)	EPA 5035	811388	EPA 8260	811398
60412140009	SB-5-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140010	SB-5-(0-3)-DUP	EPA 5035	811388	EPA 8260	811398
60412140011	SB-5-(3-6)	EPA 5035	811388	EPA 8260	811398
60412140012	SB-6-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140013	SB-6-(6-9)	EPA 5035	811388	EPA 8260	811398
60412140014	SB-7-(0-3)	EPA 5035	811388	EPA 8260	811398
60412140015	SB-7-(4-7)	EPA 5035	811388	EPA 8260	811398
60412140016	TRIP BLANK	EPA 5035	811388	EPA 8260	811398
60412140001	SB-1-(0-3)	ASTM D2974	811346		
60412140002	SB-1-(7-8)	ASTM D2974	811346		
60412140003	SB-2-(0-3)	ASTM D2974	811346		
60412140004	SB-2-(7-10)	ASTM D2974	811346		
60412140005	SB-3-(0-3)	ASTM D2974	811346		
60412140006	SB-3-(10-11)	ASTM D2974	811346		
60412140007	SB-4-(0-3)	ASTM D2974	811346		
60412140008	SB-4-(3-5.5)	ASTM D2974	811346		
60412140009	SB-5-(0-3)	ASTM D2974	811346		
60412140010	SB-5-(0-3)-DUP	ASTM D2974	811346		
60412140011	SB-5-(3-6)	ASTM D2974	811346		
60412140012	SB-6-(0-3)	ASTM D2974	811346		
60412140013	SB-6-(6-9)	ASTM D2974	811346		
60412140014	SB-7-(0-3)	ASTM D2974	811346		
60412140015	SB-7-(4-7)	ASTM D2974	811346		

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Issued By: Lenexa

WU#: 60412140  
60412140Client Name: Tetra Tech EMICourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: \_\_\_\_\_ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☒ Bubble Bags ☒ Foam ☒ None ☐ Other ☒ 2PLThermometer Used: T299 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 2.2 Corr. Factor 0.0 Corrected 2.2

Temperature should be above freezing to 6°C

Date and initials of person examining contents: 10/05/12 SA

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: <u>No</u> State: <u>Mo</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

## Section A

Required Client Information:

Company: Tetra Tech EMI

Address: 415 Oak

Kansas City, MO 64106

Email To: [kaitlyn.mitchell@tetratech.com](mailto:kaitlyn.mitchell@tetratech.com)

Phone: (816) 412-1742 Fax: (816) 410-1748

Requested Due Date/TAT:

## Section B

Required Project Information:

Report To: Kaitlyn Mitchell

Copy To:

Purchase Order No.:

Project Name: Nevada Habilitation

Project Number:

## Section C

Invoice Information:

Attention: Kaitlyn Mitchell

Company Name: Tetra Tech EMI

Address:

Pace Quote Reference:

Pace Project Manager: Jamie Church

Pace Profile #: 8083, Line 1

Page: 1 of 2

## REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location

STATE: MO

## Requested Analysis Filtered (Y/N)

ITEM #	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WT WATER PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Samples Intact (Y/N)
		COMPOSITE START	COMPOSITE END/GRAB													
1	SB-1-(0-3)			G	SL G	Thomas Haley/Tetra Tech	10/5/22	0900	Unpreserved							
2	SB-1-(7-8)							0930								
3	SB-2-(0-3)							1035								
4	SB-2-(7-10)							1040								
5	SB-3-(0-3)							1130								
6	SB-3-(10-11)							1145								
7	SB-4-(0-3)							1445								
8	SB-4-(3-5.5)							1450								
9	SB-5-(0-3)							1535								
10	SB-5-(0-3)-DUR							1535								
11	SB-5-(3-6)							1545								
12	SB-6-(0-3)							1615								

## SAMPLE ID

(A-Z, 0-9 / .)

Sample IDs MUST BE UNIQUE

60412140

Pace Project No./ Lab I.D.

**Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Client: Tetra Tech EMI

Profile #

8083, Line 1

Site: Nevada Rehabilitation

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other
1	SL																													
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Container Codes

Glass		Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NaOH plastic
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NaOH plastic
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered
BG3H	250mL HCl Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate
				BP4U	125mL unpreserved plastic
				BP4N	125mL HNO3 plastic
				BP4S	125mL H2SO4 plastic
				WPDU	16oz unpreserved plastic

Work Order Number:

60412140

Client: Tetra Tech EMI

Profile #

8083, Line 1

Site: Nevada Rehabilitation

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGPU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other
1	SL																												
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

Glass										Plastic										Misc.									
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NAOH plastic	I	Wipe/Swab																						
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate																						
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag																						
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter																						
DG9S	40mL H2SO4 amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes																						
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NAOH plastic	R	Terracore Kit																						
DG9U	40mL unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can																						
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic																								
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic																								
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate																								
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic																								
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water																						
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid																						
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid																						
WGPU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL																						
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe																						
				BP4U	125mL unpreserved plastic	DW	Drinking Water																						
				BP4N	125mL HNO3 plastic																								
				BP4S	125mL H2SO4 plastic																								
				WPDU	16oz unpreserved plastic																								

Work Order Number:

60412140

October 21, 2022

Kaitlyn Mitchell  
Tetra Tech EMI  
415 Oak  
Kansas City, MO 64106

RE: Project: NEVADA HABILITATION  
Pace Project No.: 60412509

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Jamie Church  
jamie.church@pacelabs.com  
314-838-7223  
Project Manager

Enclosures

cc: Emily Fisher, TETRA TECH EMI



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

### **Pace Analytical Services, LLC - Minneapolis MN**

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01\*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009\*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014\*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605\*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086\*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064\*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137\*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240\*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081\*

New Jersey Certification #: MN002

New York Certification #: 11647\*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110\*

Oklahoma Certification #: 9507\*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001\*

Pennsylvania Certification #: 68-00563\*

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192\*

Utah Certification #: MN00064\*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163\*

Washington Certification #: C486\*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

\*Please Note: Applicable air certifications are denoted with an asterisk (\*).

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60412509001	SG-1-(5-6)	Air	10/04/22 08:35	10/07/22 09:35
60412509002	SG-2-(5-6)	Air	10/04/22 10:00	10/07/22 09:35
60412509003	SG-3-(5-6)	Air	10/04/22 13:20	10/07/22 09:35
60412509004	SG-4-(3-5.5)	Air	10/04/22 13:45	10/07/22 09:35
60412509005	SG-5-(5-6)	Air	10/04/22 15:20	10/07/22 09:35
60412509006	SG-6-(5-6)	Air	10/04/22 16:05	10/07/22 09:35
60412509007	SG-7-(5-6)	Air	10/05/22 08:35	10/07/22 09:35

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60412509001	SG-1-(5-6)	TO-15	SW	61	PASI-M
60412509002	SG-2-(5-6)	TO-15	MJL	61	PASI-M
60412509003	SG-3-(5-6)	TO-15	SW	61	PASI-M
60412509004	SG-4-(3-5.5)	TO-15	SW	61	PASI-M
60412509005	SG-5-(5-6)	TO-15	MJL	61	PASI-M
60412509006	SG-6-(5-6)	TO-15	MJL	61	PASI-M
60412509007	SG-7-(5-6)	TO-15	AJA, MJL	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-1-(5-6)		Lab ID: 60412509001		Collected: 10/04/22 08:35		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	ND	ug/m3	3670	607		10/20/22 00:07	67-64-1		
Benzene	ND	ug/m3	197	607		10/20/22 00:07	71-43-2		
Benzyl chloride	ND	ug/m3	1600	607		10/20/22 00:07	100-44-7		
Bromodichloromethane	ND	ug/m3	825	607		10/20/22 00:07	75-27-4		
Bromoform	ND	ug/m3	3190	607		10/20/22 00:07	75-25-2		
Bromomethane	ND	ug/m3	479	607		10/20/22 00:07	74-83-9		
1,3-Butadiene	ND	ug/m3	273	607		10/20/22 00:07	106-99-0		
2-Butanone (MEK)	ND	ug/m3	1820	607		10/20/22 00:07	78-93-3		
Carbon disulfide	ND	ug/m3	384	607		10/20/22 00:07	75-15-0		
Carbon tetrachloride	ND	ug/m3	777	607		10/20/22 00:07	56-23-5		
Chlorobenzene	ND	ug/m3	568	607		10/20/22 00:07	108-90-7		
Chloroethane	ND	ug/m3	325	607		10/20/22 00:07	75-00-3		
Chloroform	ND	ug/m3	301	607		10/20/22 00:07	67-66-3		
Chloromethane	ND	ug/m3	255	607		10/20/22 00:07	74-87-3		
Cyclohexane	ND	ug/m3	1060	607		10/20/22 00:07	110-82-7		
Dibromochloromethane	ND	ug/m3	1050	607		10/20/22 00:07	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	948	607		10/20/22 00:07	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1860	607		10/20/22 00:07	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1860	607		10/20/22 00:07	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1860	607		10/20/22 00:07	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	613	607		10/20/22 00:07	75-71-8		
1,1-Dichloroethane	ND	ug/m3	500	607		10/20/22 00:07	75-34-3		
1,2-Dichloroethane	ND	ug/m3	500	607		10/20/22 00:07	107-06-2		
1,1-Dichloroethene	ND	ug/m3	489	607		10/20/22 00:07	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	489	607		10/20/22 00:07	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	489	607		10/20/22 00:07	156-60-5		
1,2-Dichloropropane	ND	ug/m3	570	607		10/20/22 00:07	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1400	607		10/20/22 00:07	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1400	607		10/20/22 00:07	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	862	607		10/20/22 00:07	76-14-2		
Ethanol	ND	ug/m3	1170	607		10/20/22 00:07	64-17-5		
Ethyl acetate	ND	ug/m3	445	607		10/20/22 00:07	141-78-6		
Ethylbenzene	ND	ug/m3	536	607		10/20/22 00:07	100-41-4		
4-Ethyltoluene	ND	ug/m3	1520	607		10/20/22 00:07	622-96-8		
n-Heptane	ND	ug/m3	506	607		10/20/22 00:07	142-82-5		
Hexachloro-1,3-butadiene	ND	ug/m3	3290	607		10/20/22 00:07	87-68-3		
n-Hexane	ND	ug/m3	435	607		10/20/22 00:07	110-54-3		
2-Hexanone	ND	ug/m3	2520	607		10/20/22 00:07	591-78-6		
Methylene Chloride	ND	ug/m3	2140	607		10/20/22 00:07	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	2520	607		10/20/22 00:07	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	2220	607		10/20/22 00:07	1634-04-4		
Naphthalene	ND	ug/m3	1610	607		10/20/22 00:07	91-20-3		
2-Propanol	ND	ug/m3	1520	607		10/20/22 00:07	67-63-0		
Propylene	587	ug/m3	531	607		10/20/22 00:07	115-07-1		
Styrene	ND	ug/m3	526	607		10/20/22 00:07	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	850	607		10/20/22 00:07	79-34-5		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: <b>SG-1-(5-6)</b>		Lab ID: <b>60412509001</b>	Collected: 10/04/22 08:35	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Tetrachloroethene	ND	ug/m3	837	607		10/20/22 00:07	127-18-4	
Tetrahydrofuran	ND	ug/m3	364	607		10/20/22 00:07	109-99-9	
Toluene	ND	ug/m3	465	607		10/20/22 00:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4580	607		10/20/22 00:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	674	607		10/20/22 00:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	337	607		10/20/22 00:07	79-00-5	
Trichloroethene	ND	ug/m3	331	607		10/20/22 00:07	79-01-6	
Trichlorofluoromethane	<b>35200</b>	ug/m3	692	607		10/20/22 00:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	947	607		10/20/22 00:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	606	607		10/20/22 00:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	606	607		10/20/22 00:07	108-67-8	
Vinyl acetate	ND	ug/m3	435	607		10/20/22 00:07	108-05-4	
Vinyl chloride	ND	ug/m3	158	607		10/20/22 00:07	75-01-4	
m&p-Xylene	ND	ug/m3	1070	607		10/20/22 00:07	179601-23-1	
o-Xylene	ND	ug/m3	536	607		10/20/22 00:07	95-47-6	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-2-(5-6)		Lab ID: 60412509002	Collected: 10/04/22 10:00	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	72.4	ug/m3	10.1	1.68		10/18/22 19:45	67-64-1	
Benzene	2.3	ug/m3	0.55	1.68		10/18/22 19:45	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68		10/18/22 19:45	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		10/18/22 19:45	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68		10/18/22 19:45	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		10/18/22 19:45	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		10/18/22 19:45	106-99-0	
2-Butanone (MEK)	17.9	ug/m3	5.0	1.68		10/18/22 19:45	78-93-3	
Carbon disulfide	2.8	ug/m3	1.1	1.68		10/18/22 19:45	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.68		10/18/22 19:45	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		10/18/22 19:45	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.68		10/18/22 19:45	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		10/18/22 19:45	67-66-3	
Chloromethane	1.1	ug/m3	0.71	1.68		10/18/22 19:45	74-87-3	
Cyclohexane	ND	ug/m3	2.9	1.68		10/18/22 19:45	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		10/18/22 19:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.68		10/18/22 19:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 19:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 19:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 19:45	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.7	1.68		10/18/22 19:45	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 19:45	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 19:45	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 19:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 19:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 19:45	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		10/18/22 19:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 19:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 19:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		10/18/22 19:45	76-14-2	
Ethanol	20.0	ug/m3	3.2	1.68		10/18/22 19:45	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		10/18/22 19:45	141-78-6	
Ethylbenzene	2.6	ug/m3	1.5	1.68		10/18/22 19:45	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.68		10/18/22 19:45	622-96-8	
n-Heptane	2.7	ug/m3	1.4	1.68		10/18/22 19:45	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68		10/18/22 19:45	87-68-3	
n-Hexane	3.0	ug/m3	1.2	1.68		10/18/22 19:45	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		10/18/22 19:45	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		10/18/22 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		10/18/22 19:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		10/18/22 19:45	1634-04-4	
Naphthalene	10.5	ug/m3	4.5	1.68		10/18/22 19:45	91-20-3	
2-Propanol	5.4	ug/m3	4.2	1.68		10/18/22 19:45	67-63-0	
Propylene	37.4	ug/m3	1.5	1.68		10/18/22 19:45	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		10/18/22 19:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.4	1.68		10/18/22 19:45	79-34-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: <b>SG-2-(5-6)</b>		Lab ID: <b>60412509002</b>	Collected: 10/04/22 10:00	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Tetrachloroethene	ND	ug/m3	1.2	1.68		10/18/22 19:45	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.0	1.68		10/18/22 19:45	109-99-9	
Toluene	<b>7.0</b>	ug/m3	1.3	1.68		10/18/22 19:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		10/18/22 19:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		10/18/22 19:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		10/18/22 19:45	79-00-5	
Trichloroethene	ND	ug/m3	0.92	1.68		10/18/22 19:45	79-01-6	
Trichlorofluoromethane	<b>2.0</b>	ug/m3	1.9	1.68		10/18/22 19:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		10/18/22 19:45	76-13-1	
1,2,4-Trimethylbenzene	<b>8.4</b>	ug/m3	1.7	1.68		10/18/22 19:45	95-63-6	
1,3,5-Trimethylbenzene	<b>2.5</b>	ug/m3	1.7	1.68		10/18/22 19:45	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.68		10/18/22 19:45	108-05-4	
Vinyl chloride	ND	ug/m3	0.44	1.68		10/18/22 19:45	75-01-4	
m&p-Xylene	<b>9.4</b>	ug/m3	3.0	1.68		10/18/22 19:45	179601-23-1	
o-Xylene	<b>3.6</b>	ug/m3	1.5	1.68		10/18/22 19:45	95-47-6	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-3-(5-6)		Lab ID: 60412509003	Collected: 10/04/22 13:20	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	81.0	ug/m3	10.6	1.75		10/19/22 23:35	67-64-1	
Benzene	11.5	ug/m3	0.57	1.75		10/19/22 23:35	71-43-2	
Benzyl chloride	ND	ug/m3	4.6	1.75		10/19/22 23:35	100-44-7	
Bromodichloromethane	ND	ug/m3	2.4	1.75		10/19/22 23:35	75-27-4	
Bromoform	ND	ug/m3	9.2	1.75		10/19/22 23:35	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		10/19/22 23:35	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		10/19/22 23:35	106-99-0	
2-Butanone (MEK)	29.4	ug/m3	5.2	1.75		10/19/22 23:35	78-93-3	
Carbon disulfide	4.5	ug/m3	1.1	1.75		10/19/22 23:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.75		10/19/22 23:35	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		10/19/22 23:35	108-90-7	
Chloroethane	ND	ug/m3	0.94	1.75		10/19/22 23:35	75-00-3	
Chloroform	ND	ug/m3	0.87	1.75		10/19/22 23:35	67-66-3	
Chloromethane	1.1	ug/m3	0.74	1.75		10/19/22 23:35	74-87-3	
Cyclohexane	49.0	ug/m3	3.1	1.75		10/19/22 23:35	110-82-7	
Dibromochloromethane	ND	ug/m3	3.0	1.75		10/19/22 23:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		10/19/22 23:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.4	1.75		10/19/22 23:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.4	1.75		10/19/22 23:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.4	1.75		10/19/22 23:35	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.75		10/19/22 23:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		10/19/22 23:35	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.4	1.75		10/19/22 23:35	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		10/19/22 23:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		10/19/22 23:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		10/19/22 23:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		10/19/22 23:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		10/19/22 23:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		10/19/22 23:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		10/19/22 23:35	76-14-2	
Ethanol	15.0	ug/m3	3.4	1.75		10/19/22 23:35	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	1.75		10/19/22 23:35	141-78-6	
Ethylbenzene	5.5	ug/m3	1.5	1.75		10/19/22 23:35	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.4	1.75		10/19/22 23:35	622-96-8	
n-Heptane	67.2	ug/m3	1.5	1.75		10/19/22 23:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.75		10/19/22 23:35	87-68-3	
n-Hexane	73.2	ug/m3	1.3	1.75		10/19/22 23:35	110-54-3	
2-Hexanone	ND	ug/m3	7.3	1.75		10/19/22 23:35	591-78-6	
Methylene Chloride	ND	ug/m3	6.2	1.75		10/19/22 23:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		10/19/22 23:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		10/19/22 23:35	1634-04-4	
Naphthalene	12.7	ug/m3	4.7	1.75		10/19/22 23:35	91-20-3	
2-Propanol	ND	ug/m3	4.4	1.75		10/19/22 23:35	67-63-0	
Propylene	ND	ug/m3	1.5	1.75		10/19/22 23:35	115-07-1	
Styrene	2.2	ug/m3	1.5	1.75		10/19/22 23:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.4	1.75		10/19/22 23:35	79-34-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-3-(5-6)		Lab ID: 60412509003		Collected: 10/04/22 13:20		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/m3	2.4	1.75		10/19/22 23:35	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.75		10/19/22 23:35	109-99-9		
Toluene	24.8	ug/m3	1.3	1.75		10/19/22 23:35	108-88-3		
1,2,4-Trichlorobenzene	18.2	ug/m3	13.2	1.75		10/19/22 23:35	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		10/19/22 23:35	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.97	1.75		10/19/22 23:35	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		10/19/22 23:35	79-01-6		
Trichlorofluoromethane	14.5	ug/m3	2.0	1.75		10/19/22 23:35	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.75		10/19/22 23:35	76-13-1		
1,2,4-Trimethylbenzene	10.3	ug/m3	1.7	1.75		10/19/22 23:35	95-63-6		
1,3,5-Trimethylbenzene	3.6	ug/m3	1.7	1.75		10/19/22 23:35	108-67-8		
Vinyl acetate	ND	ug/m3	1.3	1.75		10/19/22 23:35	108-05-4		
Vinyl chloride	ND	ug/m3	0.46	1.75		10/19/22 23:35	75-01-4		
m&p-Xylene	21.6	ug/m3	3.1	1.75		10/19/22 23:35	179601-23-1		
o-Xylene	6.8	ug/m3	1.5	1.75		10/19/22 23:35	95-47-6		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-4-(3-5.5)		Lab ID: 60412509004	Collected: 10/04/22 13:45	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	110	ug/m3	10.1	1.68		10/19/22 22:58	67-64-1	
Benzene	8.6	ug/m3	0.55	1.68		10/19/22 22:58	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68		10/19/22 22:58	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		10/19/22 22:58	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68		10/19/22 22:58	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		10/19/22 22:58	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		10/19/22 22:58	106-99-0	
2-Butanone (MEK)	51.7	ug/m3	5.0	1.68		10/19/22 22:58	78-93-3	
Carbon disulfide	4.1	ug/m3	1.1	1.68		10/19/22 22:58	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.68		10/19/22 22:58	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		10/19/22 22:58	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.68		10/19/22 22:58	75-00-3	
Chloroform	1.3	ug/m3	0.83	1.68		10/19/22 22:58	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		10/19/22 22:58	74-87-3	
Cyclohexane	24.1	ug/m3	2.9	1.68		10/19/22 22:58	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		10/19/22 22:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		10/19/22 22:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/19/22 22:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/19/22 22:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/19/22 22:58	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.7	1.68		10/19/22 22:58	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		10/19/22 22:58	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.4	1.68		10/19/22 22:58	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		10/19/22 22:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/19/22 22:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/19/22 22:58	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		10/19/22 22:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/19/22 22:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/19/22 22:58	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		10/19/22 22:58	76-14-2	
Ethanol	15.9	ug/m3	3.2	1.68		10/19/22 22:58	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		10/19/22 22:58	141-78-6	
Ethylbenzene	4.2	ug/m3	1.5	1.68		10/19/22 22:58	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.68		10/19/22 22:58	622-96-8	
n-Heptane	33.9	ug/m3	1.4	1.68		10/19/22 22:58	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68		10/19/22 22:58	87-68-3	
n-Hexane	39.7	ug/m3	1.2	1.68		10/19/22 22:58	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		10/19/22 22:58	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		10/19/22 22:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		10/19/22 22:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		10/19/22 22:58	1634-04-4	
Naphthalene	7.5	ug/m3	4.5	1.68		10/19/22 22:58	91-20-3	
2-Propanol	6.3	ug/m3	4.2	1.68		10/19/22 22:58	67-63-0	
Propylene	248	ug/m3	1.5	1.68		10/19/22 22:58	115-07-1	E
Styrene	1.7	ug/m3	1.5	1.68		10/19/22 22:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.4	1.68		10/19/22 22:58	79-34-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-4-(3-5.5)		Lab ID: 60412509004		Collected: 10/04/22 13:45		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Tetrachloroethene	ND	ug/m3	2.3	1.68		10/19/22 22:58	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.68		10/19/22 22:58	109-99-9		
Toluene	17.2	ug/m3	1.3	1.68		10/19/22 22:58	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		10/19/22 22:58	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		10/19/22 22:58	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		10/19/22 22:58	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		10/19/22 22:58	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		10/19/22 22:58	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		10/19/22 22:58	76-13-1		
1,2,4-Trimethylbenzene	9.4	ug/m3	1.7	1.68		10/19/22 22:58	95-63-6		
1,3,5-Trimethylbenzene	3.0	ug/m3	1.7	1.68		10/19/22 22:58	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		10/19/22 22:58	108-05-4		
Vinyl chloride	ND	ug/m3	0.44	1.68		10/19/22 22:58	75-01-4		
m&p-Xylene	14.5	ug/m3	3.0	1.68		10/19/22 22:58	179601-23-1		
o-Xylene	5.3	ug/m3	1.5	1.68		10/19/22 22:58	95-47-6		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-5-(5-6)		Lab ID: 60412509005	Collected: 10/04/22 15:20	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	43.6	ug/m3	10.1	1.68		10/18/22 21:11	67-64-1	
Benzene	19.9	ug/m3	0.55	1.68		10/18/22 21:11	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68		10/18/22 21:11	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		10/18/22 21:11	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68		10/18/22 21:11	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		10/18/22 21:11	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		10/18/22 21:11	106-99-0	
2-Butanone (MEK)	32.8	ug/m3	5.0	1.68		10/18/22 21:11	78-93-3	
Carbon disulfide	2.9	ug/m3	1.1	1.68		10/18/22 21:11	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.68		10/18/22 21:11	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		10/18/22 21:11	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.68		10/18/22 21:11	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		10/18/22 21:11	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		10/18/22 21:11	74-87-3	
Cyclohexane	20.5	ug/m3	2.9	1.68		10/18/22 21:11	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		10/18/22 21:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.68		10/18/22 21:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:11	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.7	1.68		10/18/22 21:11	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 21:11	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 21:11	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:11	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		10/18/22 21:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 21:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 21:11	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		10/18/22 21:11	76-14-2	
Ethanol	15.0	ug/m3	3.2	1.68		10/18/22 21:11	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		10/18/22 21:11	141-78-6	
Ethylbenzene	2.6	ug/m3	1.5	1.68		10/18/22 21:11	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.68		10/18/22 21:11	622-96-8	
n-Heptane	23.0	ug/m3	1.4	1.68		10/18/22 21:11	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68		10/18/22 21:11	87-68-3	
n-Hexane	35.6	ug/m3	1.2	1.68		10/18/22 21:11	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		10/18/22 21:11	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		10/18/22 21:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		10/18/22 21:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		10/18/22 21:11	1634-04-4	
Naphthalene	5.3	ug/m3	4.5	1.68		10/18/22 21:11	91-20-3	
2-Propanol	100	ug/m3	4.2	1.68		10/18/22 21:11	67-63-0	
Propylene	ND	ug/m3	1.5	1.68		10/18/22 21:11	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		10/18/22 21:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.4	1.68		10/18/22 21:11	79-34-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-5-(5-6)		Lab ID: 60412509005		Collected: 10/04/22 15:20		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Tetrachloroethene	22.1	ug/m3	1.2	1.68		10/18/22 21:11	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.68		10/18/22 21:11	109-99-9		
Toluene	14.0	ug/m3	1.3	1.68		10/18/22 21:11	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		10/18/22 21:11	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		10/18/22 21:11	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		10/18/22 21:11	79-00-5		
Trichloroethene	24.9	ug/m3	0.92	1.68		10/18/22 21:11	79-01-6		
Trichlorofluoromethane	219	ug/m3	1.9	1.68		10/18/22 21:11	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		10/18/22 21:11	76-13-1		
1,2,4-Trimethylbenzene	3.6	ug/m3	1.7	1.68		10/18/22 21:11	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		10/18/22 21:11	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		10/18/22 21:11	108-05-4		
Vinyl chloride	ND	ug/m3	0.44	1.68		10/18/22 21:11	75-01-4		
m&p-Xylene	8.5	ug/m3	3.0	1.68		10/18/22 21:11	179601-23-1		
o-Xylene	3.0	ug/m3	1.5	1.68		10/18/22 21:11	95-47-6		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-6-(5-6)		Lab ID: 60412509006	Collected: 10/04/22 16:05	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	87.3	ug/m3	10.1	1.68		10/18/22 21:39	67-64-1	
Benzene	2.3	ug/m3	0.55	1.68		10/18/22 21:39	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68		10/18/22 21:39	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		10/18/22 21:39	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68		10/18/22 21:39	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		10/18/22 21:39	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		10/18/22 21:39	106-99-0	
2-Butanone (MEK)	18.5	ug/m3	5.0	1.68		10/18/22 21:39	78-93-3	
Carbon disulfide	4.3	ug/m3	1.1	1.68		10/18/22 21:39	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.68		10/18/22 21:39	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		10/18/22 21:39	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.68		10/18/22 21:39	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		10/18/22 21:39	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		10/18/22 21:39	74-87-3	
Cyclohexane	ND	ug/m3	2.9	1.68		10/18/22 21:39	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		10/18/22 21:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.68		10/18/22 21:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		10/18/22 21:39	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.7	1.68		10/18/22 21:39	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 21:39	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.4	1.68		10/18/22 21:39	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		10/18/22 21:39	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		10/18/22 21:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 21:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		10/18/22 21:39	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		10/18/22 21:39	76-14-2	
Ethanol	13.8	ug/m3	3.2	1.68		10/18/22 21:39	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		10/18/22 21:39	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.68		10/18/22 21:39	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.68		10/18/22 21:39	622-96-8	
n-Heptane	3.2	ug/m3	1.4	1.68		10/18/22 21:39	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68		10/18/22 21:39	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.68		10/18/22 21:39	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		10/18/22 21:39	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		10/18/22 21:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		10/18/22 21:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		10/18/22 21:39	1634-04-4	
Naphthalene	6.0	ug/m3	4.5	1.68		10/18/22 21:39	91-20-3	
2-Propanol	ND	ug/m3	4.2	1.68		10/18/22 21:39	67-63-0	
Propylene	ND	ug/m3	1.5	1.68		10/18/22 21:39	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		10/18/22 21:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.4	1.68		10/18/22 21:39	79-34-5	

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-6-(5-6)		Lab ID: 60412509006		Collected: 10/04/22 16:05		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/m3	1.2	1.68		10/18/22 21:39	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.68		10/18/22 21:39	109-99-9		
Toluene	4.6	ug/m3	1.3	1.68		10/18/22 21:39	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		10/18/22 21:39	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		10/18/22 21:39	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		10/18/22 21:39	79-00-5		
Trichloroethene	5.0	ug/m3	0.92	1.68		10/18/22 21:39	79-01-6		
Trichlorofluoromethane	5.1	ug/m3	1.9	1.68		10/18/22 21:39	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		10/18/22 21:39	76-13-1		
1,2,4-Trimethylbenzene	3.2	ug/m3	1.7	1.68		10/18/22 21:39	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		10/18/22 21:39	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		10/18/22 21:39	108-05-4		
Vinyl chloride	ND	ug/m3	0.44	1.68		10/18/22 21:39	75-01-4		
m&p-Xylene	5.2	ug/m3	3.0	1.68		10/18/22 21:39	179601-23-1		
o-Xylene	1.6	ug/m3	1.5	1.68		10/18/22 21:39	95-47-6		

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-7-(5-6)		Lab ID: 60412509007	Collected: 10/05/22 08:35	Received: 10/07/22 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	43.0	ug/m3	9.9	1.64		10/18/22 22:08	67-64-1	
Benzene	2.3	ug/m3	0.53	1.64		10/18/22 22:08	71-43-2	
Benzyl chloride	ND	ug/m3	4.3	1.64		10/18/22 22:08	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.64		10/18/22 22:08	75-27-4	
Bromoform	ND	ug/m3	8.6	1.64		10/18/22 22:08	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.64		10/18/22 22:08	74-83-9	
1,3-Butadiene	ND	ug/m3	0.74	1.64		10/18/22 22:08	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.9	1.64		10/18/22 22:08	78-93-3	
Carbon disulfide	2.8	ug/m3	1.0	1.64		10/18/22 22:08	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.1	1.64		10/18/22 22:08	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.64		10/18/22 22:08	108-90-7	
Chloroethane	ND	ug/m3	0.88	1.64		10/18/22 22:08	75-00-3	
Chloroform	ND	ug/m3	0.81	1.64		10/18/22 22:08	67-66-3	
Chloromethane	ND	ug/m3	0.69	1.64		10/18/22 22:08	74-87-3	
Cyclohexane	ND	ug/m3	2.9	1.64		10/18/22 22:08	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.64		10/18/22 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.64		10/18/22 22:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.0	1.64		10/18/22 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	5.0	1.64		10/18/22 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.0	1.64		10/18/22 22:08	106-46-7	
Dichlorodifluoromethane	1.8	ug/m3	1.7	1.64		10/18/22 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.64		10/18/22 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.3	1.64		10/18/22 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.64		10/18/22 22:08	75-35-4	
cis-1,2-Dichloroethene	45.1	ug/m3	1.3	1.64		10/18/22 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.64		10/18/22 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.64		10/18/22 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	3.8	1.64		10/18/22 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.8	1.64		10/18/22 22:08	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.64		10/18/22 22:08	76-14-2	
Ethanol	ND	ug/m3	3.1	1.64		10/18/22 22:08	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.64		10/18/22 22:08	141-78-6	
Ethylbenzene	1.6	ug/m3	1.4	1.64		10/18/22 22:08	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.1	1.64		10/18/22 22:08	622-96-8	
n-Heptane	3.5	ug/m3	1.4	1.64		10/18/22 22:08	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.9	1.64		10/18/22 22:08	87-68-3	
n-Hexane	4.5	ug/m3	1.2	1.64		10/18/22 22:08	110-54-3	
2-Hexanone	ND	ug/m3	6.8	1.64		10/18/22 22:08	591-78-6	
Methylene Chloride	ND	ug/m3	5.8	1.64		10/18/22 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.8	1.64		10/18/22 22:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.0	1.64		10/18/22 22:08	1634-04-4	
Naphthalene	4.5	ug/m3	4.4	1.64		10/18/22 22:08	91-20-3	
2-Propanol	41.5	ug/m3	4.1	1.64		10/18/22 22:08	67-63-0	
Propylene	40.8	ug/m3	1.4	1.64		10/18/22 22:08	115-07-1	
Styrene	ND	ug/m3	1.4	1.64		10/18/22 22:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.3	1.64		10/18/22 22:08	79-34-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Sample: SG-7-(5-6)		Lab ID: 60412509007		Collected: 10/05/22 08:35		Received: 10/07/22 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/m3	1.1	1.64		10/18/22 22:08	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.98	1.64		10/18/22 22:08	109-99-9		
Toluene	5.0	ug/m3	1.3	1.64		10/18/22 22:08	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.4	1.64		10/18/22 22:08	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.64		10/18/22 22:08	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.91	1.64		10/18/22 22:08	79-00-5		
Trichloroethene	327	ug/m3	9.0	16.4		10/19/22 22:43	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.64		10/18/22 22:08	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.64		10/18/22 22:08	76-13-1		
1,2,4-Trimethylbenzene	2.4	ug/m3	1.6	1.64		10/18/22 22:08	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.64		10/18/22 22:08	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.64		10/18/22 22:08	108-05-4		
Vinyl chloride	ND	ug/m3	0.43	1.64		10/18/22 22:08	75-01-4		
m&p-Xylene	5.8	ug/m3	2.9	1.64		10/18/22 22:08	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.64		10/18/22 22:08	95-47-6		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

QC Batch: 847560

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 60412509002, 60412509005, 60412509006, 60412509007

METHOD BLANK: 4484050

Matrix: Air

Associated Lab Samples: 60412509002, 60412509005, 60412509006, 60412509007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	10/18/22 08:50	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	10/18/22 08:50	
1,1,2-Trichloroethane	ug/m3	ND	0.56	10/18/22 08:50	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	10/18/22 08:50	
1,1-Dichloroethane	ug/m3	ND	0.82	10/18/22 08:50	
1,1-Dichloroethene	ug/m3	ND	0.81	10/18/22 08:50	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	10/18/22 08:50	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	10/18/22 08:50	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	10/18/22 08:50	
1,2-Dichlorobenzene	ug/m3	ND	3.1	10/18/22 08:50	
1,2-Dichloroethane	ug/m3	ND	0.82	10/18/22 08:50	
1,2-Dichloropropane	ug/m3	ND	0.94	10/18/22 08:50	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	10/18/22 08:50	
1,3-Butadiene	ug/m3	ND	0.45	10/18/22 08:50	
1,3-Dichlorobenzene	ug/m3	ND	3.1	10/18/22 08:50	
1,4-Dichlorobenzene	ug/m3	ND	3.1	10/18/22 08:50	
2-Butanone (MEK)	ug/m3	ND	3.0	10/18/22 08:50	
2-Hexanone	ug/m3	ND	4.2	10/18/22 08:50	
2-Propanol	ug/m3	ND	2.5	10/18/22 08:50	
4-Ethyltoluene	ug/m3	ND	2.5	10/18/22 08:50	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	10/18/22 08:50	
Acetone	ug/m3	ND	6.0	10/18/22 08:50	
Benzene	ug/m3	ND	0.32	10/18/22 08:50	
Benzyl chloride	ug/m3	ND	2.6	10/18/22 08:50	
Bromodichloromethane	ug/m3	ND	1.4	10/18/22 08:50	
Bromoform	ug/m3	ND	5.2	10/18/22 08:50	
Bromomethane	ug/m3	ND	0.79	10/18/22 08:50	
Carbon disulfide	ug/m3	ND	0.63	10/18/22 08:50	
Carbon tetrachloride	ug/m3	ND	1.3	10/18/22 08:50	
Chlorobenzene	ug/m3	ND	0.94	10/18/22 08:50	
Chloroethane	ug/m3	ND	0.54	10/18/22 08:50	
Chloroform	ug/m3	ND	0.50	10/18/22 08:50	
Chloromethane	ug/m3	ND	0.42	10/18/22 08:50	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	10/18/22 08:50	
cis-1,3-Dichloropropene	ug/m3	ND	2.3	10/18/22 08:50	
Cyclohexane	ug/m3	ND	1.8	10/18/22 08:50	
Dibromochloromethane	ug/m3	ND	1.7	10/18/22 08:50	
Dichlorodifluoromethane	ug/m3	ND	1.0	10/18/22 08:50	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	10/18/22 08:50	
Ethanol	ug/m3	ND	1.9	10/18/22 08:50	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

METHOD BLANK: 4484050

Matrix: Air

Associated Lab Samples: 60412509002, 60412509005, 60412509006, 60412509007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	10/18/22 08:50	
Ethylbenzene	ug/m3	ND	0.88	10/18/22 08:50	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	10/18/22 08:50	
m&p-Xylene	ug/m3	ND	1.8	10/18/22 08:50	
Methyl-tert-butyl ether	ug/m3	ND	3.7	10/18/22 08:50	
Methylene Chloride	ug/m3	ND	3.5	10/18/22 08:50	
n-Heptane	ug/m3	ND	0.83	10/18/22 08:50	
n-Hexane	ug/m3	ND	0.72	10/18/22 08:50	
Naphthalene	ug/m3	ND	2.7	10/18/22 08:50	
o-Xylene	ug/m3	ND	0.88	10/18/22 08:50	
Propylene	ug/m3	ND	0.88	10/18/22 08:50	
Styrene	ug/m3	ND	0.87	10/18/22 08:50	
Tetrachloroethene	ug/m3	ND	0.69	10/18/22 08:50	
Tetrahydrofuran	ug/m3	ND	0.60	10/18/22 08:50	
Toluene	ug/m3	ND	0.77	10/18/22 08:50	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	10/18/22 08:50	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	10/18/22 08:50	
Trichloroethene	ug/m3	ND	0.55	10/18/22 08:50	
Trichlorofluoromethane	ug/m3	ND	1.1	10/18/22 08:50	
Vinyl acetate	ug/m3	ND	0.72	10/18/22 08:50	
Vinyl chloride	ug/m3	ND	0.26	10/18/22 08:50	

LABORATORY CONTROL SAMPLE: 4484051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	60.8	105	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	73.6	101	70-132	
1,1,2-Trichloroethane	ug/m3	58.3	58.0	100	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	93.2	115	70-130	
1,1-Dichloroethane	ug/m3	42.5	47.1	111	70-130	
1,1-Dichloroethene	ug/m3	41.9	49.1	117	70-130	
1,2,4-Trichlorobenzene	ug/m3	175	146	83	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	46.0	88	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	80.3	100	70-137	
1,2-Dichlorobenzene	ug/m3	63.9	53.1	83	70-131	
1,2-Dichloroethane	ug/m3	42.4	47.5	112	70-134	
1,2-Dichloropropane	ug/m3	49.3	54.9	111	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	47.1	90	70-131	
1,3-Butadiene	ug/m3	23.9	24.1	101	70-139	
1,3-Dichlorobenzene	ug/m3	64.2	55.2	86	70-134	
1,4-Dichlorobenzene	ug/m3	64.3	55.3	86	70-131	
2-Butanone (MEK)	ug/m3	31.3	33.8	108	70-133	
2-Hexanone	ug/m3	43.4	40.3	93	70-136	
2-Propanol	ug/m3	137	156	114	65-133	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

LABORATORY CONTROL SAMPLE: 4484051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	48.2	92	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	47.5	109	70-130	
Acetone	ug/m3	127	146	115	60-134	
Benzene	ug/m3	33.8	36.3	107	70-130	
Benzyl chloride	ug/m3	55.6	42.5	76	70-130	
Bromodichloromethane	ug/m3	71.5	74.1	104	70-130	
Bromoform	ug/m3	110	111	101	70-138	
Bromomethane	ug/m3	41.4	40.8	99	68-131	
Carbon disulfide	ug/m3	33	34.4	104	70-130	
Carbon tetrachloride	ug/m3	66.7	69.5	104	70-132	
Chlorobenzene	ug/m3	49	50.7	103	70-130	
Chloroethane	ug/m3	28.1	30.6	109	70-134	
Chloroform	ug/m3	52.1	55.6	107	70-130	
Chloromethane	ug/m3	22	22.0	100	68-131	
cis-1,2-Dichloroethene	ug/m3	42.1	47.2	112	70-136	
cis-1,3-Dichloropropene	ug/m3	48.2	57.5	119	70-130	
Cyclohexane	ug/m3	36.4	40.3	111	70-131	
Dibromochloromethane	ug/m3	90.6	89.1	98	70-134	
Dichlorodifluoromethane	ug/m3	52.5	52.2	99	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	72.9	98	70-130	
Ethanol	ug/m3	113	120	107	55-145	
Ethyl acetate	ug/m3	38.4	45.6	119	70-135	
Ethylbenzene	ug/m3	46.2	48.3	104	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	116	89	70-132	
m&p-Xylene	ug/m3	92.4	93.7	101	70-134	
Methyl-tert-butyl ether	ug/m3	38.3	41.2	107	70-131	
Methylene Chloride	ug/m3	36.8	43.5	118	65-132	
n-Heptane	ug/m3	43.5	48.6	112	70-130	
n-Hexane	ug/m3	37.7	39.0	104	70-132	
Naphthalene	ug/m3	63.9	47.3	74	70-130	
o-Xylene	ug/m3	46	48.5	105	70-134	
Propylene	ug/m3	18.6	19.1	102	69-133	
Styrene	ug/m3	45.3	46.1	102	70-135	
Tetrachloroethene	ug/m3	72	72.8	101	70-134	
Tetrahydrofuran	ug/m3	31.3	36.8	118	70-140	
Toluene	ug/m3	40.2	40.7	101	70-136	
trans-1,2-Dichloroethene	ug/m3	42.3	43.8	104	70-134	
trans-1,3-Dichloropropene	ug/m3	48.4	45.2	94	70-131	
Trichloroethene	ug/m3	57.2	61.6	108	70-134	
Trichlorofluoromethane	ug/m3	60.3	63.3	105	63-130	
Vinyl acetate	ug/m3	38.7	42.2	109	70-139	
Vinyl chloride	ug/m3	27.2	27.7	102	70-132	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

QC Batch: 847950

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory:

Pace Analytical Services - Minneapolis

Associated Lab Samples: 60412509001, 60412509003, 60412509004

METHOD BLANK: 4485863

Matrix: Air

Associated Lab Samples: 60412509001, 60412509003, 60412509004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.56	10/19/22 09:22	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	10/19/22 09:22	
1,1,2-Trichloroethane	ug/m3	ND	0.28	10/19/22 09:22	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.78	10/19/22 09:22	
1,1-Dichloroethane	ug/m3	ND	0.41	10/19/22 09:22	
1,1-Dichloroethene	ug/m3	ND	0.40	10/19/22 09:22	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	10/19/22 09:22	
1,2,4-Trimethylbenzene	ug/m3	ND	0.50	10/19/22 09:22	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	10/19/22 09:22	MN
1,2-Dichlorobenzene	ug/m3	ND	1.5	10/19/22 09:22	
1,2-Dichloroethane	ug/m3	ND	0.41	10/19/22 09:22	
1,2-Dichloropropane	ug/m3	ND	0.47	10/19/22 09:22	
1,3,5-Trimethylbenzene	ug/m3	ND	0.50	10/19/22 09:22	
1,3-Butadiene	ug/m3	ND	0.22	10/19/22 09:22	
1,3-Dichlorobenzene	ug/m3	ND	1.5	10/19/22 09:22	
1,4-Dichlorobenzene	ug/m3	ND	1.5	10/19/22 09:22	
2-Butanone (MEK)	ug/m3	ND	1.5	10/19/22 09:22	
2-Hexanone	ug/m3	ND	2.1	10/19/22 09:22	
2-Propanol	ug/m3	ND	1.2	10/19/22 09:22	
4-Ethyltoluene	ug/m3	ND	1.2	10/19/22 09:22	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	2.1	10/19/22 09:22	
Acetone	ug/m3	ND	3.0	10/19/22 09:22	
Benzene	ug/m3	ND	0.16	10/19/22 09:22	
Benzyl chloride	ug/m3	ND	1.3	10/19/22 09:22	
Bromodichloromethane	ug/m3	ND	0.68	10/19/22 09:22	
Bromoform	ug/m3	ND	2.6	10/19/22 09:22	
Bromomethane	ug/m3	ND	0.39	10/19/22 09:22	
Carbon disulfide	ug/m3	ND	0.32	10/19/22 09:22	
Carbon tetrachloride	ug/m3	ND	0.64	10/19/22 09:22	
Chlorobenzene	ug/m3	ND	0.47	10/19/22 09:22	
Chloroethane	ug/m3	ND	0.27	10/19/22 09:22	
Chloroform	ug/m3	ND	0.25	10/19/22 09:22	
Chloromethane	ug/m3	ND	0.21	10/19/22 09:22	
cis-1,2-Dichloroethene	ug/m3	ND	0.40	10/19/22 09:22	
cis-1,3-Dichloropropene	ug/m3	ND	1.2	10/19/22 09:22	
Cyclohexane	ug/m3	ND	0.88	10/19/22 09:22	
Dibromochloromethane	ug/m3	ND	0.86	10/19/22 09:22	
Dichlorodifluoromethane	ug/m3	ND	0.50	10/19/22 09:22	
Dichlorotetrafluoroethane	ug/m3	ND	0.71	10/19/22 09:22	
Ethanol	ug/m3	ND	0.96	10/19/22 09:22	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

METHOD BLANK: 4485863

Matrix: Air

Associated Lab Samples: 60412509001, 60412509003, 60412509004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.37	10/19/22 09:22	
Ethylbenzene	ug/m3	ND	0.44	10/19/22 09:22	
Hexachloro-1,3-butadiene	ug/m3	ND	2.7	10/19/22 09:22	
m&p-Xylene	ug/m3	ND	0.88	10/19/22 09:22	
Methyl-tert-butyl ether	ug/m3	ND	1.8	10/19/22 09:22	
Methylene Chloride	ug/m3	ND	1.8	10/19/22 09:22	
n-Heptane	ug/m3	ND	0.42	10/19/22 09:22	
n-Hexane	ug/m3	ND	0.36	10/19/22 09:22	
Naphthalene	ug/m3	ND	1.3	10/19/22 09:22	
o-Xylene	ug/m3	ND	0.44	10/19/22 09:22	
Propylene	ug/m3	ND	0.44	10/19/22 09:22	
Styrene	ug/m3	ND	0.43	10/19/22 09:22	
Tetrachloroethene	ug/m3	ND	0.69	10/19/22 09:22	MN
Tetrahydrofuran	ug/m3	ND	0.30	10/19/22 09:22	
Toluene	ug/m3	ND	0.38	10/19/22 09:22	
trans-1,2-Dichloroethene	ug/m3	ND	0.40	10/19/22 09:22	
trans-1,3-Dichloropropene	ug/m3	ND	1.2	10/19/22 09:22	
Trichloroethene	ug/m3	ND	0.27	10/19/22 09:22	
Trichlorofluoromethane	ug/m3	ND	0.57	10/19/22 09:22	
Vinyl acetate	ug/m3	ND	0.36	10/19/22 09:22	
Vinyl chloride	ug/m3	ND	0.13	10/19/22 09:22	

LABORATORY CONTROL SAMPLE: 4485864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	63.3	109	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	77.6	107	70-132	
1,1,2-Trichloroethane	ug/m3	58.3	64.9	111	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	84.7	104	70-130	
1,1-Dichloroethane	ug/m3	42.5	45.9	108	70-130	
1,1-Dichloroethene	ug/m3	41.9	44.4	106	70-130	
1,2,4-Trichlorobenzene	ug/m3	175	164	94	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	54.6	104	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	86.3	107	70-137	
1,2-Dichlorobenzene	ug/m3	63.9	65.2	102	70-131	
1,2-Dichloroethane	ug/m3	42.4	45.4	107	70-134	
1,2-Dichloropropane	ug/m3	49.3	54.1	110	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	54.9	105	70-131	
1,3-Butadiene	ug/m3	23.9	24.9	104	70-139	
1,3-Dichlorobenzene	ug/m3	64.2	65.1	101	70-134	
1,4-Dichlorobenzene	ug/m3	64.3	64.8	101	70-131	
2-Butanone (MEK)	ug/m3	31.3	35.5	113	70-133	
2-Hexanone	ug/m3	43.4	57.8	133	70-136 CH	
2-Propanol	ug/m3	137	140	102	65-133	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

LABORATORY CONTROL SAMPLE: 4485864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	54.7	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	55.2	127	70-130	
Acetone	ug/m3	127	130	102	60-134	
Benzene	ug/m3	33.8	38.7	115	70-130	
Benzyl chloride	ug/m3	55.6	52.9	95	70-130	
Bromodichloromethane	ug/m3	71.5	83.2	116	70-130	
Bromoform	ug/m3	110	107	97	70-138	
Bromomethane	ug/m3	41.4	40.0	97	68-131	
Carbon disulfide	ug/m3	33	38.0	115	70-130	
Carbon tetrachloride	ug/m3	66.7	73.9	111	70-132	
Chlorobenzene	ug/m3	49	52.6	107	70-130	
Chloroethane	ug/m3	28.1	26.3	94	70-134	
Chloroform	ug/m3	52.1	55.1	106	70-130	
Chloromethane	ug/m3	22	21.2	97	68-131	
cis-1,2-Dichloroethene	ug/m3	42.1	46.0	109	70-136	
cis-1,3-Dichloropropene	ug/m3	48.2	56.5	117	70-130	
Cyclohexane	ug/m3	36.4	45.6	125	70-131	
Dibromochloromethane	ug/m3	90.6	96.6	107	70-134	
Dichlorodifluoromethane	ug/m3	52.5	51.6	98	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	68.5	92	70-130	
Ethanol	ug/m3	113	111	98	55-145	
Ethyl acetate	ug/m3	38.4	43.0	112	70-135	
Ethylbenzene	ug/m3	46.2	50.1	108	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	127	98	70-132	
m&p-Xylene	ug/m3	92.4	109	118	70-134	
Methyl-tert-butyl ether	ug/m3	38.3	45.1	118	70-131	
Methylene Chloride	ug/m3	36.8	38.6	105	65-132	
n-Heptane	ug/m3	43.5	54.1	124	70-130	
n-Hexane	ug/m3	37.7	42.4	112	70-132	
Naphthalene	ug/m3	63.9	62.9	99	70-130	
o-Xylene	ug/m3	46	49.7	108	70-134	
Propylene	ug/m3	18.6	20.1	108	69-133	
Styrene	ug/m3	45.3	47.8	106	70-135	
Tetrachloroethene	ug/m3	72	68.9	96	70-134	
Tetrahydrofuran	ug/m3	31.3	37.5	120	70-140	
Toluene	ug/m3	40.2	50.6	126	70-136	
trans-1,2-Dichloroethene	ug/m3	42.3	45.2	107	70-134	
trans-1,3-Dichloropropene	ug/m3	48.4	48.8	101	70-131	
Trichloroethene	ug/m3	57.2	61.8	108	70-134	
Trichlorofluoromethane	ug/m3	60.3	58.3	97	63-130	
Vinyl acetate	ug/m3	38.7	46.0	119	70-139	
Vinyl chloride	ug/m3	27.2	27.4	100	70-132	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

SAMPLE DUPLICATE: 4487588

Parameter	Units	10628801011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.57	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.90	ND		25	
1,1,2-Trichloroethane	ug/m3	<0.81	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.77J	.74J		25	
1,1-Dichloroethane	ug/m3	<0.33	ND		25	
1,1-Dichloroethene	ug/m3	<0.51	ND		25	
1,2,4-Trichlorobenzene	ug/m3	<17.9	ND		25	
1,2,4-Trimethylbenzene	ug/m3	2.4J	2.3J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.97	ND		25	
1,2-Dichlorobenzene	ug/m3	<2.7	ND		25	
1,2-Dichloroethane	ug/m3	<0.40	ND		25	
1,2-Dichloropropane	ug/m3	<0.63	ND		25	
1,3,5-Trimethylbenzene	ug/m3	1.6J	1.6J		25	
1,3-Butadiene	ug/m3	<0.35	ND		25	
1,3-Dichlorobenzene	ug/m3	<2.6	ND		25	
1,4-Dichlorobenzene	ug/m3	<2.5	ND		25	
2-Butanone (MEK)	ug/m3	7.8J	8.6J		25	
2-Hexanone	ug/m3	<2.2	ND		25	
2-Propanol	ug/m3	8.5	8.2	4	25	
4-Ethyltoluene	ug/m3	2.7J	2.7J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<1.7	ND		25	
Acetone	ug/m3	64.1	60.6	6	25	
Benzene	ug/m3	0.49J	.49J		25	
Benzyl chloride	ug/m3	<2.4	ND		25	
Bromodichloromethane	ug/m3	<1.0	ND		25	
Bromoform	ug/m3	<2.4	ND		25	
Bromomethane	ug/m3	<0.93	ND		25	
Carbon disulfide	ug/m3	<0.73	ND		25	
Carbon tetrachloride	ug/m3	<1.3	ND		25	
Chlorobenzene	ug/m3	<0.44	ND		25	
Chloroethane	ug/m3	<0.64	ND		25	
Chloroform	ug/m3	<0.42	ND		25	
Chloromethane	ug/m3	0.46J	.49J		25	
cis-1,2-Dichloroethene	ug/m3	<0.67	ND		25	
cis-1,3-Dichloropropene	ug/m3	<2.0	ND		25	
Cyclohexane	ug/m3	17.3	17.0	2	25	
Dibromochloromethane	ug/m3	<1.1	ND		25	
Dichlorodifluoromethane	ug/m3	3.1J	3J		25	
Dichlorotetrafluoroethane	ug/m3	<0.76	ND		25	
Ethanol	ug/m3	51.7	49.7	4	25	
Ethyl acetate	ug/m3	0.74J	.64J		25	
Ethylbenzene	ug/m3	2.0J	2J		25	
Hexachloro-1,3-butadiene	ug/m3	<5.5	ND		25	
m&p-Xylene	ug/m3	2.9J	2.5J		25	
Methyl-tert-butyl ether	ug/m3	<0.78	ND		25	
Methylene Chloride	ug/m3	<0.39	ND		25	
n-Heptane	ug/m3	<0.40	ND		25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

SAMPLE DUPLICATE: 4487588

Parameter	Units	10628801011 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	<0.73	ND		25	
Naphthalene	ug/m3	<6.5	ND		25	
o-Xylene	ug/m3	1.9J	1.8J		25	
Propylene	ug/m3	<1.1	ND		25	
Styrene	ug/m3	2.2J	2.1J		25	
Tetrachloroethene	ug/m3	1.5J	1J		25	
Tetrahydrofuran	ug/m3	0.75J	.86J		25	
Toluene	ug/m3	2.9	2.7	8	25	
trans-1,2-Dichloroethene	ug/m3	<0.99	ND		25	
trans-1,3-Dichloropropene	ug/m3	<2.4	ND		25	
Trichloroethene	ug/m3	<0.75	ND		25	
Trichlorofluoromethane	ug/m3	1.9J	1.7J		25	
Vinyl acetate	ug/m3	<0.55	ND		25	
Vinyl chloride	ug/m3	<0.30	ND		25	

SAMPLE DUPLICATE: 4487589

Parameter	Units	10628801015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.57	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.90	ND		25	
1,1,2-Trichloroethane	ug/m3	<0.81	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.85J	.82J		25	
1,1-Dichloroethane	ug/m3	<0.34	ND		25	
1,1-Dichloroethene	ug/m3	<0.51	ND		25	
1,2,4-Trichlorobenzene	ug/m3	<18.0	ND		25	
1,2,4-Trimethylbenzene	ug/m3	2.8J	2.7J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.97	ND		25	
1,2-Dichlorobenzene	ug/m3	<2.7	ND		25	
1,2-Dichloroethane	ug/m3	<0.40	ND		25	
1,2-Dichloropropane	ug/m3	<0.63	ND		25	
1,3,5-Trimethylbenzene	ug/m3	1.7J	1.7J		25	
1,3-Butadiene	ug/m3	<0.35	ND		25	
1,3-Dichlorobenzene	ug/m3	<2.6	ND		25	
1,4-Dichlorobenzene	ug/m3	<2.5	ND		25	
2-Butanone (MEK)	ug/m3	9.7	9.7	1	25	
2-Hexanone	ug/m3	<2.2	ND		25	
2-Propanol	ug/m3	13.6	13.3	2	25	
4-Ethyltoluene	ug/m3	2.8J	2.8J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<1.7	ND		25	
Acetone	ug/m3	106	106	0	25	
Benzene	ug/m3	0.75J	.71J		25	
Benzyl chloride	ug/m3	<2.4	ND		25	
Bromodichloromethane	ug/m3	1.1J	ND		25	
Bromoform	ug/m3	<2.4	ND		25	
Bromomethane	ug/m3	<0.93	ND		25	

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## QUALITY CONTROL DATA

Project: NEVADA HABILITATION

Pace Project No.: 60412509

SAMPLE DUPLICATE: 4487589

Parameter	Units	10628801015 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	<0.73	ND		25	
Carbon tetrachloride	ug/m3	<1.3	ND		25	
Chlorobenzene	ug/m3	<0.44	ND		25	
Chloroethane	ug/m3	<0.64	ND		25	
Chloroform	ug/m3	5.2	4.9	6	25	
Chloromethane	ug/m3	0.49J	.45J		25	
cis-1,2-Dichloroethene	ug/m3	<0.67	ND		25	
cis-1,3-Dichloropropene	ug/m3	<2.1	ND		25	
Cyclohexane	ug/m3	11.8	11.8	0	25	
Dibromochloromethane	ug/m3	<1.1	ND		25	
Dichlorodifluoromethane	ug/m3	5.4	5.1	5	25	
Dichlorotetrafluoroethane	ug/m3	<0.76	ND		25	
Ethanol	ug/m3	71.3	69.5	3	25	
Ethyl acetate	ug/m3	0.88J	.8J		25	
Ethylbenzene	ug/m3	2.2J	2.2J		25	
Hexachloro-1,3-butadiene	ug/m3	<5.5	ND		25	
m&p-Xylene	ug/m3	3.3J	3.2J		25	
Methyl-tert-butyl ether	ug/m3	<0.78	ND		25	
Methylene Chloride	ug/m3	<0.39	ND		25	
n-Heptane	ug/m3	<0.41	ND		25	
n-Hexane	ug/m3	0.96J	1J		25	
Naphthalene	ug/m3	<6.6	ND		25	
o-Xylene	ug/m3	2.1J	2.2J		25	
Propylene	ug/m3	<1.1	ND		25	
Styrene	ug/m3	2.2J	2.1J		25	
Tetrachloroethene	ug/m3	4.3	4.2J		25	
Tetrahydrofuran	ug/m3	0.98J	.98J		25	
Toluene	ug/m3	2.9	3.0	4	25	
trans-1,2-Dichloroethene	ug/m3	<1.0	ND		25	
trans-1,3-Dichloropropene	ug/m3	<2.4	ND		25	
Trichloroethene	ug/m3	<0.75	ND		25	
Trichlorofluoromethane	ug/m3	1.6J	1.7J		25	
Vinyl acetate	ug/m3	<0.55	ND		25	
Vinyl chloride	ug/m3	<0.30	ND		25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: NEVADA HABILITATION

Pace Project No.: 60412509

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NEVADA HABILITATION

Pace Project No.: 60412509

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60412509001	SG-1-(5-6)	TO-15	847950		
60412509002	SG-2-(5-6)	TO-15	847560		
60412509003	SG-3-(5-6)	TO-15	847950		
60412509004	SG-4-(3-5.5)	TO-15	847950		
60412509005	SG-5-(5-6)	TO-15	847560		
60412509006	SG-6-(5-6)	TO-15	847560		
60412509007	SG-7-(5-6)	TO-15	847560		

## REPORT OF LABORATORY ANALYSIS

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**Effective Date: 03/03/2022**

SR Tech KL Date Initiated 10/8/22 PM Client Name MRS Profile # 42781 Pink shelf ☐ #1 ☐ #2

**Issue Type (check all that apply)\***

☒ COC Issue IRWD  
Date/Time Received 10/7/22 @ 9:35

**EPIC Issue (check one)**

[ ] Client not in Epic

☐ Profile not in Epic

Add a code

☐ Other

PM/Date

[illegible]

**Comments:**

Logged in by (initial)

Date \_\_\_\_\_

wo

Qualtrax ID: 54330





**AIR: CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]



