AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

April 4, 2025

Mr. Ryan Querubin
Novin Development Corporation
1990 North California Boulevard, Suite 800
Walnut Creek, CA 94596

Subject: Phase II Status Update
Rumrill Commons
1820 Rumrill Boulevard, San Pablo, California
AEI Project No. 507739

Dear Mr. Querubin,

AEI Consultants (AEI) is providing this update as it relates to prior Phase II site investigation(s) at the above referenced property. AEI recently completed a Phase I Environmental Site Assessment (ESA) for the property, dated April 4, 2025, to the current ASTM Standard 1527-21. As part of that ESA, prior environmental documents were reviewed, including available "Phase II" reports and those that document prior subsurface investigation or testing. The most recent such report is the "Limited Phase II Subsurface Investigation" dated July 12, 2023, prepared by AEI, which was in response to the June 15, 2023 Phase I Environmental Site Assessment (ESA). That Phase I ESA identified that the property had been developed as a gasoline service station, with a case closure granted in 1997 for a prior fuel release. Given that impacts were allowed to remain at the time of the case closure, and in anticipation of land use change, the Phase II was conducted. The results of this investigation are summarized in the current ESA Sec 6.3, to which the reader is referred for details.

As outlined in the April 4, 2025 ESA, based on research conducted, including review of the prior "Phase II" investigations and regulatory files, other than preparing and following a Site Management Plan (SMP) for the planned development and to implement the recommendations made in the July 12, 2023 Phase II report, no additional Phase II investigation is recommended at this time.

Please contact me at the number below with questions.

Sincerely,

Peter McIntyre, PG, MBA
Executive Vice President

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Limited Phase II Subsurface Investigation Report

REPORT DATE: July 12, 2023

SITE INFORMATION
1820 Rumrill Boulevard
San Pablo, Contra Costa County, California 94806

PROJECT INFORMATION
AEI Project No. 479677

PREPARED FOR
Novin Development Corporation
1990 North California Boulevard, Suite 800
Walnut Creek, California 94596

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July 12, 2023

Nithya Vemireddy
Novin Development Corporation
1990 North California Boulevard, Suite 800
Walnut Creek, California 94596

Subject: Limited Phase II Subsurface Investigation
1820 Rumrill Boulevard
San Pablo, California 94806
AEI Project No. 479677

Dear Nithya Vemireddy:

The enclosed Limited Phase II Subsurface Investigation Report that presents the results of the recently completed investigation at 1820 Rumrill Boulevard in San Pablo, California ("the Site"). This investigation was completed to assess the recognized environmental conditions (RECs) identified in *Phase I Environmental Site Assessment* (ESA) dated June 15, 2023. The investigation was performed in general accordance with the scope of services outlined in our proposal dated June 19, 2023 (AEI Proposal Number 91379).

AEI appreciates the opportunity to support this important project. If you have any questions, please do not hesitate to contact me at 925.285.8286 or pmcintyre@aeiconsultants.com.

Sincerely,

Peter McIntyre, PG
Executive Vice President

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
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Enclosure

1.0 INTRODUCTION

AEI has prepared this report that describes the recently completed investigation at 1820 Rumrill Boulevard in San Pablo, California ("the Site"). The investigation included advancing six (6) soil borings at the Site to collect soil, groundwater and soil vapor samples.

The Site is located on the east side of Rumrill Boulevard, between Market Avenue and Mission Avenue. The Site consists of approximately 0.5 acres of land that consists of a dirt lot partially covered in weeds in a mixed residential and commercial area. The location of the Site is shown on Figure 1. Figure 2 presents the Site Map.

2.0 BACKGROUND

As presented in the June 15, 2023, Phase I ESA, the following RECs were identified:

> "A Chevron service station was operated on the Site from 1968 to 1988. The original underground storage tanks (USTs) were removed in 1984 and replaced by three 10,000-gallon fiberglass gasoline USTs. An original 1,000-gallon waste oil UST remained in use. The new USTs were installed in a new location on the southwest side of the Site while the area of the original USTs was on the north side of the Site. In March 1988, Chevron ceased operation of the service station and removed improvements including three relatively new 10,00-gallon gasoline USTs and the original 1,000-gallon waste oil tank. The site has remained vacant since that time.
>
> In April 1988, four groundwater monitoring wells were installed on the north and west-central portions of the Site generally north of the more recent USTs and at/within the original UST locations. Additionally, 11 soil borings were advanced at the Site in 1997. Maps indicate the borings and/or wells were not located in the area of the former service building and were inadequate to address potential contamination underlying the former service bays. Groundwater monitoring and sampling was conducted at the Site from 1988 until 1997. Groundwater varied from depths of 2 to 10 feet below ground surface (bgs) and flowed predominantly to the south with seasonal fluctuations. The highest concentrations of fuel constituents in groundwater were initially detected on the northwest side of the Site that included Total Petroleum Hydrocarbons as gasoline (TPH-g) up to 6,800micrograms per liter (µg/L) and benzene up to 1,400 µg/L. No hydrocarbons were detected during the last sampling event in 1997, although benzene was detected at 1.1 µg/L, total xylenes at 2.8 µg/L, and ethylbenzene at 1.6 µg/L. On July 9, 1997, the San Francisco Regional Water Quality Control Board (SFBRWQCB) granted case closure to the UST release despite low levels of hydrocarbons remaining in soil and low levels of benzene, toluene, ethylbenzene and total xylenes (BTEX)in groundwater.
>
> In 1998, Cambria Environmental Technology, Inc. (Cambria) advanced eight soil borings and collected grab groundwater samples from three borings at the Site in order to assess the potential human health risks associated with residual petroleum hydrocarbons beneath the Site. The maps indicate none of the borings were placed in the area of the former service building and were inadequate to address potential contamination underlying the former service bays. The highest TPH-g and BTEX concentrations were detected in saturated soils at depths of 10 feet bgs in the area of the original former USTs and the dispenser island. Methyl tert butyl ether (MTBE) was not detected in any of the soil samples. The

highest concentrations of hydrocarbons in grab groundwater samples were detected in samples collected from the original USTs location with maximum groundwater concentrations of TPH-g at 120,000 µg/L, benzene at 1,300 µg/L, and MTBE at 4,000 µg/L; however, this concentration was attributed to a false positive since the service station activities ceased prior to the common usage of MTBE as a fuel oxygenate. Additionally, the high TPH-g concentration was discounted, as it was not considered to accurately reflect site conditions. This was due to a sampling methodology designed only to collect water from the thin top layer of groundwater, where typically, hydrocarbon levels would be more concentrated.

Using the analytical data collected during Cambria's 1998 assessment, Cambria prepared a risk assessment to evaluate exposure potential to future occupants of the Site from subsurface hydrocarbons assuming future commercial development. Cambria considered the potential exposure pathways as dermal contact/ingestion/ inhalation from surface and subsurface soils by onsite construction workers; and, inhalation of BTEX vapors volatilizing from soil and groundwater to indoor and outdoor air onsite. Cambria based their risk assessment (Tier 1) model on maximum soil and groundwater concentrations of BTEX and MTBE. Cambria's results indicated that volatilization of benzene from groundwater to indoor air; with a given concentration of 1,300 µg/L in groundwater, would exceed published risk based screening levels. As such, Cambria then reevaluated the findings through statistical analysis (Tier 2) in which Site-specific information; including depth to groundwater, soil bulk density, porosity volumetric air and water content, and organic content; were taken into account. By introducing these factors into their model, Cambria determined that benzene in volatilization would fall under the Site-specific target level (SSTL).

Redevelopment of the Site is reportedly slated to include residential land use. Regardless of the 1997 LUST case closure and Cambria's determination that residual contaminants would fall under the SSTL for commercial use, the presence of residual petroleum contamination has not been adequately evaluated for residential land use. Further, the sample locations did not appear to address the presence of potential subsurface contamination underlying the automotive service bays and the laboratory analysis did not include chlorinated solvents that were commonly associated with historical automotive repair activities."

The purpose of this investigation is to evaluate current subsurface conditions at Site for impacts that may remain from the former fuel station and automotive repair operations, as identified in the Phase I ESA.

The ground surface at the Site and nearby properties appeared to be generally flat and is situated at an elevation of approximately 34 feet above mean sea level. According to a 1997 LUST Site Closure Summary for the Site, groundwater was encountered at approximately 2.05-9.89 feet bgs, and the groundwater flow direction beneath the Site is generally toward the south-southwest.

3.0 INVESTIGATION EFFORTS

The investigation included advancing six exploratory soil borings at the Site (SB-1 through SB-6, each with a corresponding adjacent boring for soil gas sample collection) to collect soil and groundwater samples as well as soil gas samples from the step-out borings. The boring locations are shown on Figure 2. The completed Site activities are summarized below.

3.1 Health and Safety Plan

A Site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept on Site for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

A Soil boring permit was obtained from Contra Costa Environmental Health Division (CCEHD) for this investigation. A copy of the permit is included in Appendix A.

The public underground utility service 811North was notified who, in turn, notified subscribing utility companies of the planned investigation work for underground utility locations to be marked along the ground surface around the Site boundaries and proposed boring locations, where accessible. Private utility locating was conducted by Foresite Engineering Surveys, Inc. of Pleasant Hill, California under subcontract to AEI to further identify and locate underground utilities on the Site, and to shift boring locations, as appropriate.

3.3 Drilling and Sample Collection

On July 3, 2023, six borings, SB-1 through SB-6 with corresponding six step-out borings were advanced at the Site at the locations shown on Figure 2. The borings were advanced by Environmental Control Associates, Inc. of Aptos, California using a truck-mounted, direct-push (DP) drill rig to collect soil and groundwater samples. The locations of the borings are listed below:

- Borings SB-1 and SB-2 were advanced to total depths of 12 and 14 feet bgs in the former UST locations in the southwest and northern portions of the Site, respectively.
- Boring SB-3 was advanced to a total depth of 12 feet bgs in the central-west portion of the Site.
- Borings SB-4 and SB-5 were advanced to total depths of 14 and 12 feet bgs, respectively, in the former service station building location.
- Boring SB-6 was advanced to a total depth of 12 feet bgs in the southeast portion of the Site.

The locations of the borings were chosen in part based on former Site structures and on the results of the utility clearance.

3.3.1 Soil Sample Collection

Soil cores were collected and evaluated throughout their entire depth of each soil boring for the purposes of lithologic logging, field screening (headspace testing), and laboratory analyses. The soil samples from the borings were obtained using a single-walled coring system approximately 2.25 inches and 4 feet in length containing plastic liners. The coring system was connected to 1-inch diameter, flush-jointed drill rod that was hydraulically driven (pushed) by the rig to each target sample depth. Upon retrieval from each sample depth interval, the coring system was opened, and the liners were removed and cut for visual inspection and lithologic logging purposes. Recovered soil samples were examined for soil classification and described on detailed boring logs in general conformance with the Unified Soil Classification System. The boring logs are presented in Appendix B.

Soil samples from the borings were collected for chemical analysis by cutting 6-inch increments from the acetate liner, sealing the ends with Teflon™ tape and plastic endcaps. The soil samples were labeled with the project name, project number, boring number, sample depth, and sampling date/time then placed into a chilled ice chest containing crushed ice for transport to Torrent Laboratory, Inc., a State of California-certified laboratory, of Milpitas, California. Chain of custody documentation was completed and accompanied the samples during transport to the analytical laboratory.

The following is a summary of the soil samples collected and analyzed:

- Sample SB-1-9.5' was collected from a depth of 9.5 feet bgs.
- Sample SB-2-12' was collected from a depth of 12 feet bgs.
- Sample SB-3-12' was collected from a depth of 12 feet bgs.
- Sample SB-4-1' was collected from a depth of 1 foot bgs.
- Sample SB-4-12' was collected from a depth of 12 feet bgs.
- Sample SB-5-1' was collected from a depth of 1 foot bgs.
- Sample SB-5-12' was collected from a depth of 12 feet bgs.
- Sample SB-6-1' was collected from a depth of 1 foot bgs.
- Sample SB-6-12' was collected from a depth of 12 feet bgs.

The chain-of-custody documentation and analytical laboratory report are included in Appendix C.

3.3.2 Headspace Testing and Field Screening

Headspace screening was performed with a photo-ionization detector (PID) equipped with an electrodeless 10.6 eV ultraviolet lamp or equivalent for detecting the presence of organic vapors in the soil samples collected. The PID was calibrated by the rental company before use. To initiate the headspace testing procedure, portions of the soil samples were placed into labeled, plastic bags, and sealed prior to conducting the tests. After approximately 20 to30 minutes had elapsed for organic vapor build-up inside the bags, each bag was punctured with the probe tip of the PID to allow for measurement of the organic vapors or headspace gases. Measurements of the organic vapors were reported in parts per million (ppm). The resulting PID measurements were then recorded on the boring logs that are presented in Appendix B.

3.3.3 Soil Gas Sample Collection

On July 3, 2023, AEI installed six temporary soil gas probes (SB-1 through SB-6) in general accordance with the *Advisory, Active Soil Gas Investigations* by the California Department of Toxic Substances Control (DTSC), et al. (2015). The soil gas sampling installation included an air stone filter inserted approximately 4.4 feet bgs that was securely connected to a 0.25-inch outside-diameter Teflon™-lined tubing daylighting at the surface. The sampling points were installed in a one-foot sand pack and then sealed with a layer of dry granular bentonite followed by hydrated granular bentonite to grade to ensure proper sealing during sampling activities.

Prior to soil gas sample collection, a series of quality assurance/quality control tests, including shut-in tests and leak tests, were performed in sequential order at each location. Shut-in tests were conducted to check for leaks in the above-ground sampling system. A leak check gas (helium) was applied to the sample train prior to and during sample collection to rule out leakage of ambient air in the sample train. Volumes of air equivalent to a total of 3 times the internal volume of the probe tubing and sand pack was purged using a 6-liter summa canister connected to the sampling manifold prior to sample collection. A leak check was performed by

pulling samples from the sampling apparatus with a syringe and transferring them to Tedlar® bags, which were subsequently screened with a helium meter for the presence of helium.

Upon completion of the required testing, a soil gas sample was collected from each of the sampling locations using 1-liter Summa™ canisters fitted with laboratory-calibrated, flow controllers equipped with vacuum gauges and particulate filters. Each canister was individually checked, tested, and certified by the laboratory for air tightness and proper vacuum prior to shipping. The Summa™ canisters were connected to the daylighted portion of the sample points, and the samples were collected at flow rates between 150 and 200 mL per minute. Initial and final readings on the vacuum gauges were recorded at the beginning and end of the sampling process to confirm sample collection. The leak check gas (helium) was continued to be applied to the sample train during sample collection. Sampling was completed with a slight vacuum remaining in each of the canisters.

Upon sample retrieval, the Summa™ canisters were labeled with the appropriate project information, including the project name, project number, sample location and depth, date and time of sampling, sampler's name, canister identification number, and the initial and final canister vacuums. Chain-of-custody documentation was completed and accompanied the Summa™ canisters to Pace Analytical of Mt. Juliet, Tennessee. The laboratory reports and chain-of-custody forms are provided in Appendix C of this report.

3.3.4 Groundwater Sample Collection

On July 3, 2023, after reaching the maximum depth of 12 to14 feet bgs in borings SB-1, SB-2, SB-4, and SB-5, a temporary groundwater monitoring well was installed in each of the boring locations to facilitate collection of a groundwater sample. The temporary well materials consisted of one-inch diameter, polyvinyl chloride (PVC), 0.010-slot well screen and casing that was installed in the borehole to facilitate groundwater infiltration and groundwater sample collection from the borings. The temporary well materials remained in-place for approximately 60 minutes to allow for groundwater infiltration for sample collection. During this timeframe, sufficient amount of groundwater infiltrated in each of the temporary wells to allow for groundwater sample collection.

Prior to the collection of groundwater sample from the temporary monitoring well locations, approximately 1-2 quarts of water were purged from each temporary well utilizing a peristaltic pump with dedicated tubing. After purging, a groundwater sample was collected from each boring in three laboratory-supplied 50-milliliter VOA vials containing a pre-measured volume of hydrochloric acid as well as one laboratory-supplied 1-Liter amber glass jar. After sealing, each sample was labeled with the project name, project number, identification number, and sampling date/time of sampling, and each sample was entered onto chain-of-custody documentation for transportation to Torrent, Laboratory, Inc. for analysis, and was placed into an insulated, chilled ice chest containing ice. The chain-of-custody documentation and analytical laboratory report are included in Appendix C.

3.4 Boring Destruction

Following completion of field activities, removal of well construction material, and tooling, the boring locations were backfilled with neat cement using a tremie pipe as required by CCEHD.

3.5 Decontamination Procedures and Investigation-Derived Waste

AEI personnel wore disposable Nitrile gloves during sample collection and changed gloves prior to and between each sample collection. Down-hole equipment including sampling tubes, samplers, and hand tools were decontaminated prior to drilling each boring.

Two 5-gallon buckets of investigation-derived waste were generated during the field activities and left onsite. Laboratory results do not indicate that the investigation-derived waste that was generated requires specific handling or disposal requirements.

3.6 Laboratory Analysis

One deep soil sample from each boring was selected for analysis for to TPH-g, diesel, and motor oil (TPH-d and TPH-mo, respectively) using US EPA Testing Methods 8015/8021 and volatile organic compounds (VOCs) using US EPA Testing Method 8260B.

One shallow soil sample from SB-4, SB-5, and SB-6 were selected for analysis for California Administration Manual (CAM-17) metals using US EPA Testing Method 6020.

One groundwater sample from borings SB-1, SB-2, SB-4, and SB-5 were selected for analysis for VOCs using US EPA Testing Method 8260B and TPH-g, TPH-d, and TPH-mo using US EPA Testing Methods 8015/8021.

One soil gas sample was collected from each boring and analyzed for VOCs using US EPA Testing Method TO-15 and helium and fixed gases using ASTM D 1946-90.

No further sample analyses were conducted as part of this investigation. Chain-of-custody documentation and the certified analytical reports are provided in Appendix C.

4.0 FINDINGS

The findings of this investigation are summarized below.

4.1 Subsurface Conditions and Field Screening

Subsurface conditions observed during the drilling activities indicated that soils underlaying the Site consisted primarily of clay with sand and gravelly sand in the former UST locations. Groundwater was encountered in SB-1, SB-2 and SB-4 at 9.5, 8, and 13.5 feet bgs, respectively, and static groundwater was measured between 5.7 and 9.4 feet bgs in each boring, with the exception of SB-6, which groundwater was not observed in.

Dark greenish gray soil and/or a petroleum odor was observed in SB-2, SB-3, and SB-5 at a depth of 9.75-10.75 ft bgs. No other indication of visual or olfactory evidence (i.e., soil discoloration, odor) of potentially impacted soils observed in soils that were recovered during drilling activities. The maximum PID reading was >15,000 ppm in boring SB-4 at 12 feet bgs, and this sample was chosen for TPH and VOC analysis.

4.2 Analytical Results

The analytical results for soil and groundwater samples during this investigation were evaluated in general accordance with the *User's Guide: Derivation and Application of Environmental*

Screening Levels (ESLs), Interim Final 2019, Revision 2 July 2019 and the residential direct exposure and vapor intrusion scenarios. Groundwater samples during this investigation were compared to Direct Exposure MCL Priority ESLs. The ESLs are considered to be conservative. Under most circumstances, and within the limitations described in the ESL guidance documents. The presence of a chemical in soil, groundwater, or soil gas, at concentrations below corresponding ESL guidance concentrations do not pose an unacceptable risk to human health and environment. Additional evaluation may be necessary at Sites where a chemical is present at concentrations above the corresponding ESL or other appropriate screening level. The investigation findings are presented below.

In addition to evaluating the soil analytical results for metals from this investigation to their regulatory comparison values, the metals analytical results were also compared to the background concentrations of metals that naturally exist in California soils. A study entitled *Background Concentrations of Trace Major Elements in California Soils*, dated March 1996, by the Kearney Foundation of Soil Science was also reviewed for information on the concentrations of background metals in California soils. The Kearney report is a relevant source used by public policy makers and by those in the private sector concerned with environmental remediation and land-use planning. *Establishing Background Arsenic in Soil of the San Francisco Bay Region*, dated December 2011 by D.J. Duvergé was also used for comparison of background arsenic in soil in the San Francisco Bay area.

For this investigation, it is understood that the Site is slated for redevelopment under a residential land use scenario; and therefore, the analytical results were compared to the ESLs assuming direct contact (inhalation, ingestion and/or dermal contact) and vapor intrusion under a residential land use scenario.

4.2.1 Soil Sample Analytical Results

Table 1 presents a summary of the soil sample analytical results. Chain-of-custody documentation and certified analytical report are provided in Appendix C. The analytical results can be summarized as follows:

- TPH-g was detected in two of the six soil samples collected and analyzed, samples SB-4-12' and SB-5-12', observed at concentrations of 81.9 and 34.9 milligrams per kilogram (mg/kg), respectively, which are below the residential direct contact ESL of 430 mg/kg.
- TPH-d was detected in each of the soil samples collected and analyzed at a maximum concentration of 87.1 mg/kg in SB-4-12', which is below the residential direct contact ESL of 260 mg/kg.
- TPH-mo was detected in five of the six soil samples collected and analyzed, observed at a maximum concentration of 108 mg/kg, which is well below the residential direct contact ESL of 12,000 mg/kg.
- 2-Butanone was detected in one soil sample collected and analyzed, SB-4-12', at a concentration of 1.6 mg/kg. There is no established ESL for 2-butanone at this time.
- No other VOCs were detected in the soil samples collected and analyzed at or above their respective laboratory method reporting limits (RLs).
- The following CAM-17 metals were detected at concentrations above their respective laboratory RLs, however below the residential direct contact ESL and/or maximum background concentrations: arsenic, barium, chromium, cobalt, copper, lead, nickel,

vanadium, and zinc. The following CAM-17 metals were not detected at concentrations above their respective laboratory RLs: antimony, beryllium, cadmium, mercury, molybdenum, selenium, silver, and thallium.

4.2.2 Groundwater Sample Analytical Results

Table 2 presents a summary of the groundwater sample analytical results. Chain-of-custody documentation and the certified analytical report are provided in Appendix C. The analytical results can be summarized as follows:

- TPH-g was detected in three of the four groundwater samples collected and analyzed. Sample SB-4-W and sample SB-5-W yielded TPH-g concentrations of 929 and 42,800 µg/L, respectively, which exceed the MCL priority of 760 µg/L.
- TPH-d was detected in each of the four groundwater samples collected and analyzed at concentrations ranging from 380 µg/L in SB-1-W to 33,600 µg/L in SB-5-W, which exceed the MCL Priority ESL of 200 µg/L.
- TPH-mo was detected in one of the four groundwater samples collected and analyzed. Sample SB-5-W yielded concentration of 35,600 µg/L. There is no ESL or MCL for TPH-mo in groundwater and typically represents TPH-mo sorbed to sediment in the sample and not dissolved in groundwater.
- Benzene was detected in two of the four groundwater samples collected and analyzed. Groundwater samples SB-4-W and SB-5-W yielded benzene concentrations of 6.9 and 190 µg/L, respectively, which exceed the MCL priority of 1.0 µg/L.
- Ethylbenzene was detected in two of the four groundwater samples collected and analyzed. Groundwater samples SB-4-W and SB-5-W yielded ethylbenzene concentrations of 31 and 660 µg/L, respectively, which exceed the MCL priority of 30 µg/L.
- Xylenes was detected in one of the four groundwater samples collected and analyzed. Groundwater sample SB-5-W yielded a xylenes concentration of 34 µg/L, which exceeds the MCL Priority ESL of 20 µg/L.
- Naphthalene was detected in two of the four groundwater samples collected and analyzed. Groundwater samples SB-4-W and SB-5-W yielded naphthalene concentrations of 63 and 1,200 µg/L, respectively, which exceed the MCL priority of 0.17 µg/L.
- Various VOCs including isopropyl benzene, n-propylbenzene, 1,3,5-trimethylbenzene, tert-butylbenzene, sec-butyl benzene, p-isopropyltoluene, and n-butylbenzene were detected in one or more groundwater sample collected and analyzed. There are no ESL or MCL established for these compounds.
- No other VOCs were detected in the four groundwater samples collected and analyzed above their respective laboratory RLs.

4.2.3 Soil Gas Sample Analytical Results

Table 3 presents a summary of the soil gas sample analytical results. Chain-of-custody documentation and the certified analytical report for the soil gas samples are presented in Appendix C. The analytical results can be summarized as follows:

- Benzene was detected in the six soil gas samples at concentrations ranging from 2.00 micrograms per cubic meter (µg/m^3) (SB-2) to 18.4 µg/m^3 (SB-6). Five of the detected

concentrations are above the residential vapor intrusion ESL of 3.2 µg/m^3. The concentration detected in SB-1 is above the commercial vapor intrusion ESL of 14 µg/m^3.
- Several other VOCs were detected above their respective laboratory RLs, but below their respective commercial vapor intrusion ESL values, if established, in the six soil gas samples collected and analyzed, as shown on Table 3.
- Helium, used as a leak check, was not detected in the samples above the maximum allowable value of 5% of the field helium shroud percentage, as shown on Table 3. Therefore, the samples are considered to be valid.

5.0 SUMMARY AND CONCLUSIONS

AEI completed a subsurface investigation at the Site to evaluate if the subsurface at the Site has been adversely impacted by the RECs identified in the Phase I ESA, specifically the former fuel station and automotive repair operations, with the understanding that the Site is under consideration for residential development. The investigation included advancing six exploratory soil borings at the Site to collect soil, groundwater, and soil vapor samples.

In summary, the property was formerly developed as a gasoline service station. While the case was granted case closure in 1997, residual fuel related contaminants were allowed to remain. By today's standards and considering the planned land use, the contaminant concentrations identified in the subsurface around the time of case closure are considered elevated.

Based on the results of groundwater analyses, significant concentrations of petroleum contaminants remain in at least one location. The highest concentrations were detected in the area of the former station building. Further investigation will be necessary to determine whether remedial action is needed. Given that the case had been investigated previously and received a regulatory review and closure, has not operated as a service station since, and the results of recent testing, the contaminants detected recently are likely impacts that were present at the time of closure. The nature and extent of impact will however require further evaluation.

Soil gas results indicate that vapor intrusion may be of concern to future development. Results exceeded current residential screening levels. At this time, it is reasonable to assume that a vapor intrusion mitigation system (VIMS) will likely be appropriate. Further assessment of soil gas conditions, coupled with an understanding of design of the planned structure will be needed to confirm that a VIMS is needed, and if so, to determine its design and operation parameters, and to what extent pre- and post-construction testing may be appropriate.

6.0 REFERENCES

AEI, 2023, *Phase I Environmental Site Assessment, 1820 Rumrill Boulevard, San Pablo, Contra Costa County, California 94806*, (AEI Project No. 479677), dated June 15.

California Department of Toxic Substances Control, California Environmental Protection Agency, and Los Angeles and San Francisco Bay Regional Water Quality Control Boards, 2015. *Advisory, Active Soil Gas Investigations*. July.

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019, *User's Guide: Derivation and Application of Environmental Screening Levels (ESLs), Interim Final*, dated July 2019, revision 2.

Duvergé, D.J., 2011. *Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region*, San Francisco State University, MS Thesis. December.

G. R. Bradford, A. C. Change1, A. L. Page, D. Bakhtar, J. A. Frampton, and H. Wright, 1996. *Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science Division of Agricultural and Natural Resources University of California*. March.

7.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the Site. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Novin Development Corp. Both verbal and written, whether in draft or final, are for the benefit of Novin Development Corp. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Novin Development Corp. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

8.0 SIGNATURES

This report was prepared by, or under the direction of, the undersigned.

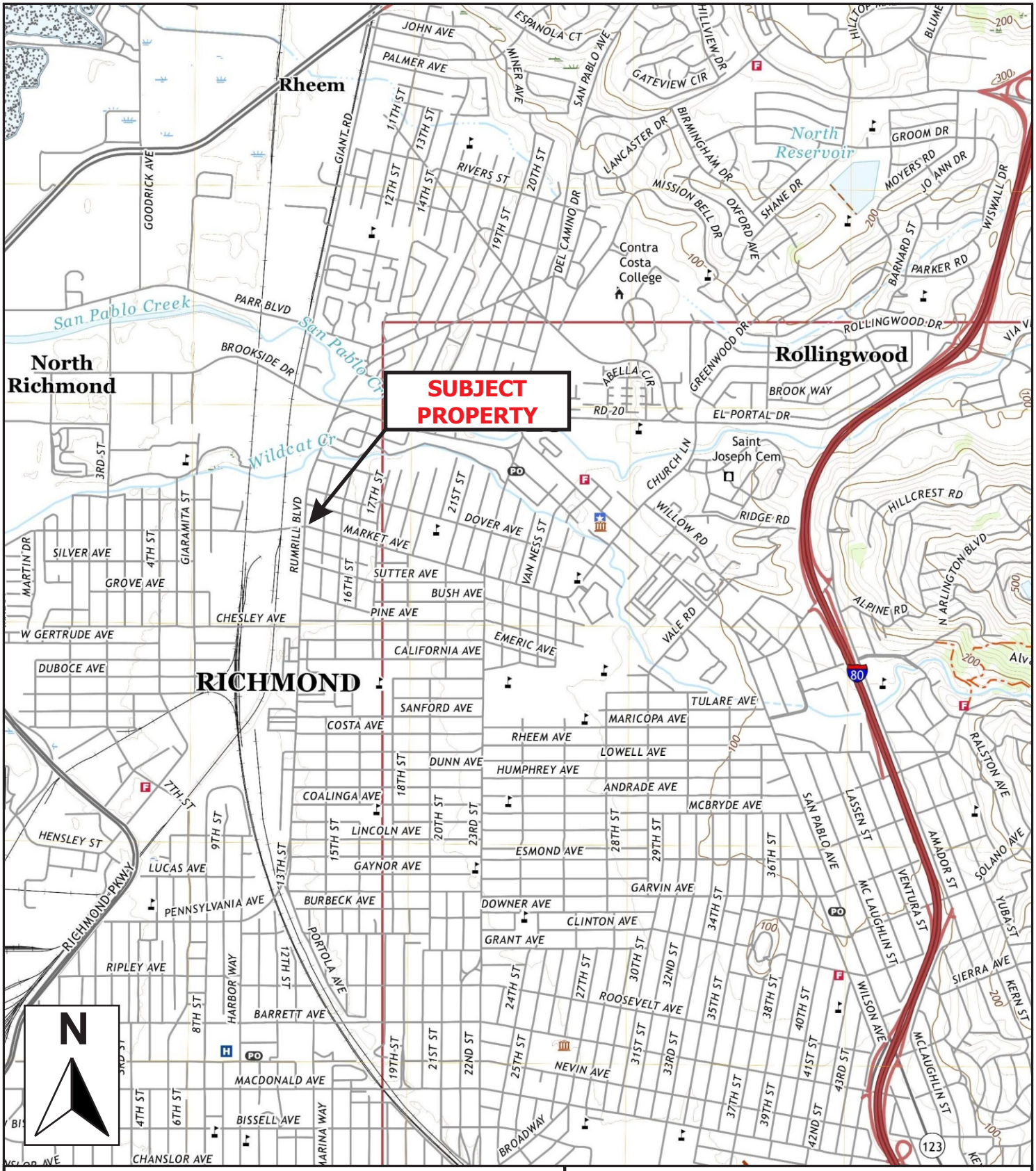
Nick Woods
Project Geologist II

Peter McIntire, PG
Executive Vice President

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 5/31/24
No. 7702
STATE OF CALIFORNIA

AEI

Figures



LEGEND

Map: Richmond Quadrangle
California - Contra Costa County
7.5-Minute Series
Date: 2021
Source: USGS

0 1,000 2,000
SCALE: 1" = 2,000'

SITE LOCATION MAP

AEI

1820 Rumrill Boulevard
San Pablo, California 94806

FIGURE 1
Project No. 479677

LEGEND

- Approximate Site Boundary
- Proposed Soil Boring Location
- Approximate Former Gasoline Station Building
- Approximate Groundwater Flow Direction
- Approximate Former UST Locations
- C-4 Approximate Former Boring Location

SITE MAP

AEI

1820 Rumrill Boulevard
San Pablo, California 94806

FIGURE 2
Project No. 479677

Tables

TABLE 1: SOIL SAMPLE DATA SUMMARY
1820 Rumrill Blvd, San Pablo, California

Location ID	Date	Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Sb (mg/kg)	As (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Co (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Hg (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	Se (mg/kg)	Ag (mg/kg)	Tl (mg/kg)	V (mg/kg)	Zn (mg/kg)	2-butanone (mg/kg)	Remaining VOCs (mg/kg)
SB-1	7/3/2023	9.5	<0.1	10.1	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010	<RL
SB-2	7/3/2023	12	<0.1	20.4	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010	<RL
SB-3	7/3/2023	12	<0.1	8.49	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010	<RL
SB-4	7/3/2023	12	81.9	87.1	28.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	<RL
SB-5	7/3/2023	12	34.9	68.9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<RL
SB-6	7/3/2023	12	<0.1	14.7	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010	<RL
SB-4	7/3/2023	1	-	-	-	<5.00	**3.37**	55.5	<5.00	<0.750	40.0	10.3	35.7	4.79	<0.50	<5.00	28.6	<1.10	<0.500	<5.00	45.9	28.9	-	-
SB-5	7/3/2023	1	-	-	-	<5.00	**5.75**	137	<5.00	<0.750	42.8	10.1	20.2	28.3	<0.50	<5.00	45.1	<1.10	<0.500	<5.00	40.1	45.7	-	-
SB-6	7/3/2023	1	-	-	-	<5.00	**6.45**	154	<5.00	<0.750	55.5	10.5	24.0	10.8	<0.50	<5.00	40.5	<1.10	<0.500	<5.00	56.0	48.7	-	-
Comparison Values:																								
ESL Direct Exposure - R			430	260	12,000	11	0.067 [1]	15,000	16	78	--	23	3,100	80	13	390	820	--	390	0.78	390	23,000	--	Various
Maxmium Background Concentrations			--	--	--	1.95	11.0	1,400	2.70	1.70	1,579	46.9	96.4	97.1	0.90	9.6	509	0.43	8.3	12,890	288	236	--	--

Notes:

mg/kg	milligrams per kilogram
<RL	less than the laboratory reporting limit
-	not analyzed
bgs	below ground surface
TPH-g	Total Petroleum Hydrocarbons as Gasoline
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-mo	Total Petroleum Hydrocarbons as Motor Oil
VOCs	Volatile Organic Compounds
Bold	Result exceeds a Comparison Value
[1]	Arsenic concentrations from Establishing Background Arsenic in Soil of the San Francisco Bay Region, December 2011 study indicate background levels of arsenic in California Bay Area soil typically range between 1.2 and 11 mg/kg.

Sb	Antimony	As	Arsenic	Ba	Barium
Be	Beryllium	Cd	Cadmium	Cr	Total Chromium
Co	Cobalt	Cu	Copper	Pb	Lead
Hg	Mercury	Mo	Molybdenum	Ni	Nickel
Se	Selenium	Ag	Silver	Tl	Thallium
V	Vanadium	Zn	Zinc		

Comparison Values:
ESL Direct Exposure - R: Environmental Screening Levels (ESLs) showing Direct Exposure Human Health Residential (R) Use exposure risks from July 2019 (Rev. 2) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

Maxmium Background Concentrations: Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science Division of Agricultural and Natural Resources University of California, March 1996

TABLE 2: GROUNDWATER SAMPLE DATA SUMMARY
1820 Rumrill Blvd, San Pablo, California

Location ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Isopropyl Benzene (µg/L)	n-Propylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	tert-Butylbenzene (µg/L)	sec-Butyl Benzene (µg/L)	p-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	1,2-Dichlorobenzene (µg/L)	Naphthalene (µg/L)	Remaining VOCs (µg/L)
SB-1-W	7/3/2023	<50	**380 X**	<400	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<RL
SB-2-W	7/3/2023	293 X	**456 X**	<400	<0.50	<0.50	<1.5	1.7	4.8	<0.50	2.2	0.52	<0.50	0.71	<0.50	<2.0	<RL
SB-4-W	7/3/2023	**929 X**	**1,110 X**	<400	**6.9**	**31**	<6.3	13	36	<2.1	3.6	2.1	<2.1	4.0	<2.1	**63**	<RL
SB-5-W	7/3/2023	**42,800 X**	**33,600 X**	35,600	**190**	**660**	**34**	270	790	170	170	66	60	140	29	**1,200**	<RL
Comparison Values:																	
ESL MCL Priority		760	200	--	1.0	30	20	--	--	--	--	--	--	--	100	0.17	Various
ESL Vapor Intrusion - R		--	--	--	0.42	4	390	--	--	--	--	--	--	--	2,700	4.6	Various

Notes:

µg/L	micrograms per liter
<RL	less than the laboratory reporting limit (RL) (shown)
--	not established
TPH-g	Total Petroleum Hydrocarbons as Gasoline
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-mo	Total Petroleum Hydrocarbons as Motor Oil
VOCs	Volatile Organic Compounds
X	See notes from analytical report
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL MCL Priority: Environmental Screening Levels (ESLs) showing Maximum Contaminant Levels (MCLs) from July 2019 (Rev. 2) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

ESL Vapor Intrusion - C/I: Environmental Screening Levels (ESLs) showing Groundwater Vapor Intrusion (VI) Human Health Risk Levels for Commercial/Industrial (C/I) exposure risks from July 2019 (Rev. 2) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

TABLE 1: SOIL GAS SAMPLE DATA SUMMARY
1820 Rumrill Boulevard, San Pablo, CA

Location ID	Date	Depth (feet bgs)	Benzene (µg/m³)	Toluene (µg/m³)	Xylenes (µg/m³)	PCE (µg/m³)	trans-1,2-DCE (µg/m³)	Acetone (µg/m³)	Chloromethane (µg/m³)	Cyclohexane (µg/m³)	Ethanol (µg/m³)	Carbon Disulfide (µg/m³)	1,3-Butadiene (µg/m³)	Heptane (µg/m³)	Ethanol (µg/m³)	n-Hexane (µg/m³)	4-Methyl-2-Pentanone (µg/m³)	Methylene Chloride (µg/m³)	Methyl Butyl Ketone (µg/m³)	2-Butanone (µg/m³)	2-Propanol (µg/m³)	Propene (µg/m³)	Styrene (µg/m³)	1,2,4-Trimethyl-benzene (µg/m³)	1,3,5-Trimethyl-benzene (µg/m³)	2,2,4-Trimethyl-pentane (µg/m³)	Trichloro-fluoro-methane (µg/m³)	Dichloro-difluoro-methane (µg/m³)	Remaining VOCs (µg/m³)	Helium Detected in Sample (%)	Field Helium Shroud (%)	Maximum Allowable Helium in Sample (%)
SB-1	7/3/2023	4.4	16.0	24.7	8.25	ND<1.36	ND<0.793	67.5	ND<0.413	322	25.1	4.14	ND<4.43	25.4	25.1	45.5	5.61	ND<0.694	ND<5.11	13.3	10.8	ND<2.15	ND<0.851	0.996	ND<0.982	4.91	1.68	1.99	<RL	ND<0.100	25.4	1.27%
SB-2	7/3/2023	4.4	2.00	ND<1.88	5.36	ND<1.36	ND<0.793	65.1	ND<0.413	13.5	11.4	7.38	ND<4.43	15.7	11.4	3.91	14.4	ND<0.694	10.5	17.8	5.90	16.9	ND<0.851	1.79	ND<0.982	4.64	1.60	1.67	<RL	ND<0.100	28.1	1.41%
SB-3	7/3/2023	4.4	6.93	ND<1.88	13.1	6.93	ND<0.793	56.3	0.568	18.5	26.6	4.08	ND<4.43	30.3	26.6	341	13.3	ND<0.694	12.9	17.1	10.6	ND<2.15	ND<0.851	3.86	1.98	4.39	ND<1.12	1.34	<RL	ND<0.100	22.4	1.12%
SB-4	7/3/2023	4.4	24.5	ND<1.88	22.2	ND<1.36	ND<0.793	140	1.09	499	47.5	11.2	22.6	112	47.5	164	49.9	6.04	51.5	67.8	13.4	429	2.45	4.46	ND<0.982	799	ND<1.12	1.33	<RL	ND<0.100	20.1	1.01%
SB-5	7/3/2023	4.4	11.3	5.84	5.72	ND<1.36	ND<0.793	58.5	0.549	292	8.01	4.05	ND<4.43	38.4	8.01	65.9	21.0	ND<0.694	28.5	33.9	3.44	64.6	ND<0.851	1.06	ND<0.982	108	ND<1.12	1.04	<RL	ND<0.100	22.1	1.11%
SB-6	7/3/2023	4.4	18.4	19.4	9.35	ND<1.36	1.73	164	3.20	237	40.2	6.35	15.6	ND<0.818	4.02	35.1	15.2	4.58	13.8	53.7	16.7	358	1.39	1.87	ND<0.982	7.89	ND<1.12	2.06	<RL	ND<0.100	21.5	1.08%
Comparison Values:																																
ESL Vapor Intrusion - R:			3.2	10,000	3,500	15	2,800	1,100,000	3,100	--	--	--	--	--	--	--	100,000	34	100,000	170,000	--	--	31,000	--	--	--	--	--	Various			--
LTCP Comparison Levels - R:			85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			

Notes:

µg/m³	micrograms per cubic meter
<RL	less than the laboratory reporting limit
bgs	below ground surface
--	not established
PCE	Tetrachloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
VOCs	Volatile organic compounds
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL Vapor Intrusion - R: Environmental Screening Levels (ESLs) showing Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels for the Residential (R) Use Exposure Scenario from July 2019 ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board
LTCP Comparison Levels - R: Comparison Values in µg/m³ from State Water Resource Control Board Low-Threat Underground Storage Tank Case Closure Policy; Soil Gas Sampling No Bioattenuation Zone Concentrations, Appendix 4, Scenario 4; August 2012

Appendix A
Permit

CONTRA COSTA
ENVIRONMENTAL HEALTH DIVISION

2120 DIAMOND BLVD. SUITE 100, CONCORD, CA 94520-5704
(925) 608-5500 FAX (925) 608-5502 www.cchealth.org/eh/

Initial Soil Boring Permit

Permit Number: 0030802 PE Number: 4301

Date Received: June 20, 2023 WP Number: WP0030802

Issued By: ROBERT GRIBBEN Date Issued: 22-Jun-2023 Date Expires: 19-Dec-2023

Intended Use: SOIL BORING # of Borings or Well ID: 6

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

Project Site Information

Site Address: 1820 RUMRILL BLVD, SAN PABLO
APN: 411 041 009 Lot/Parcel #:
Subdivisioin #: Minor Subdivision #:

Driller/Consultant Information

Driller: ENVIRONMENTAL CONTROL ASSOCIATES Contact Person: BRYAN COOK
Phone #: 831-662-8178 E-Mail or Fax#: BRYANCOOK101562@GMAIL.COM
Consultant: AEI CONSULTANTS Contact Person: NICK WOODS
Phone #: 925-321-3561 E-Mail or Fax#: NWOODS@AEICONSULTANTS.COM

Legal Owner Information

Property Owner: CITY OF SAN PABLO Responsible Party:
Owner Address: 13831 SAN PABLO AVE Address:
City/State/Zip: SAN PABLO, CA 94806 City/State/Zip:
Phone #: 510-215-3061 Phone #: Not Specified

Prior to any drilling construction or destruction of a well, requests for inspection appointment must be received 48 hours in advance (excluding weekends, holidays, and Mandatory County Furlough Days) by faxing your written request to (925) 608-5502 or e-mail to ehlu@.cchealth.org. Voice mail messages are not acceptable.

Well drillers must possess a valid C-57 license and must have on file a performance bond of $5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

Initial Soil Boring Permit Conditior

1. Soil Boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
2. _____
3. _____

Final Approval by:_____ Date: _____

Appendix B

Boring Logs

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-1

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 9.50 ft
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
▼ **AFTER DRILLING** 8.00 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0	SB-1-1'		1.3		SANDY GRAVEL (GW) some silt, dark brown (10 YR 3/3), medium dense, moist, fines-fine gravel, no odor	
2.5	SB-1-2.5'		1.2			
5.0	SB-1-5'		1.4		at 5 ft bgs, with clay	
7.5	SB-1-8'		1.2		at 7 ft bgs, trace clay	
10.0	SB-1-9.5'		1.7		at 9.75 ft bgs, wet	
					12.0 Bottom of borehole at 12.0 feet.	

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-2

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
5hrs AFTER DRILLING 7.00 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 CONCRETE RUBBLE	
	SB-2-1'		0.3		GRAVELLY SAND (SW), dark yellowish brown (10 YR 4/4), loose, moist, fine sand-fine gravel, no odor	
2.5	SB-2-2.5'		0.3		2.0 SAND (SP), dark yellowish brown (10 YR 4/4), loose, moist, fine sand, no odor	
5.0	SB-2-5'		0.4			
7.5	SB-2-8'		0.3		at 8 ft bgs, wet	
10.0					at 9.75 ft bgs, petroleum odor at 10 ft bgs, trace clay, trace fine gravel	
	SB-2-12'				12.0	
12.5			16.3		CLAY (CH), olive gray (5Y 4/2), soft, moist, fines, high plasticity, petroleum odor at 12.75 ft bgs, no odor	
					14.0	

Bottom of borehole at 14.0 feet.

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-3

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
2hrs AFTER DRILLING 9.40 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0	SB-3-1'		2.3		SANDY GRAVEL (GW), dark greyish brown (10 YR 4/2), medium dense	
2.5	SB-3-2.5'		2.6			
					3.8	
					CLAY (CH), dark greyish brown (10 YR 4/2), soft, moist, fines, high plasticity, no odor.	
5.0	SB-3-5'		2.1			
7.5	SB-3-8'		2.5			
10.0					at 10.5 ft bgs, stark color change to dark greenish grey (GLEY 1 4/1), petroleum odor	
	SB-3-12'		17.3			
					12.0	

Bottom of borehole at 12.0 feet.

AEI Consultants
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Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-4

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
0.1hrs AFTER DRILLING 5.70 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 GRAVEL	
	SB-4-1'		0.0		SAND (SC) with clay, dark yellowish brown (10 YR 4/4), medium dense, moist, fines-medium sand, low plasticity, no odor at 0.75 ft bgs, no clay, loose	
2.5	SB-4-2.5'		0.1		3.0 CLAY (CH), black (10 YR 2/1), soft, moist, fines, high plasticity, no odor	
5.0	SB-4-5'		0.2		at 5.5 ft bgs, grades to very dark grayish brown (10 YR 3/2), medium dense	
7.5	SB-4-8'		0.7			
10.0					at 10.5 ft bgs, grades to dark yellowish brown (10 YR 4/4)	
	SB-4-12'		>15k		at 11.5 ft bgs, start color change to dark gray (5Y 4/1)	
12.5					at 12.75 ft bgs, grades to dark yellowish brown (10 YR 4/4), mottling	
					13.5 CLAYEY SAND (SC), dary yellowish brown (10 YR 4/4), medium dense, wet, fines-fine sand, low plasticity, no odor	
					14.0 Bottom of borehole at 14.0 feet.	

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-5

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
2hrs AFTER DRILLING 9.40 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					GRAVELLY SAND (SW), dark grayish brown (2.5 YR 4/2), medium dense, moist, fine sand-fine gravel, no odor	
0.5	SB-5-1'		0.2		CLAY (CL) with sand, very dark grayish brown (10 YR 3/2), stiff, moist, fines-fine sand, low plasticity, no odor	
2.5	SB-5-2.5'		0.1			
2.8					CLAY (CH), brown (10 YR 4/3), medium stiff, moist, fines, high plasticity, no odor	
5.0			0.1			
7.5	SB-5-8'		0.2			
10.0					at 10.75 ft bgs, grades to dark greenish grey (GLEY 1, 4/2), petroleum odor	
	SB-5-12'		9.2			
12.0					Bottom of borehole at 12.0 feet.	

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94596
Telephone: 925-746-6000
Fax: 925-746-6099

BORING NUMBER SB-6

CLIENT Novin Development Corp.
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 479677
PROJECT LOCATION 1820 Rumrill Blvd, San Pablo, CA
DATE STARTED 7/3/23 **COMPLETED** 7/3/23
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR ECA
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY N. Woods **CHECKED BY** K. Lamb
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0	SB-6-1'		0.6		CLAY (CH), very dark greish brown (10 YR 3/2), very stiff, moist, fines, high plasticity, no odor	
2.5	SB-6-2.5'		1.7			
5.0	SB-6-5'		1.2			
7.5	SB-6-8'		0		at 7.5 ft bgs, grades to olive brown (2.5Y 4/3)	
10.0	SB-6-12'		2.0			
					12.0	

Bottom of borehole at 12.0 feet.

Appendix C

Laboratory Analytical Reports

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Tel: 925-746-6048

RE: Novin Development

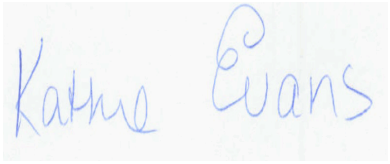
Work Order No.: 2307003 Rev: 1

Dear Nick Woods:

Torrent Laboratory, Inc. received 34 sample(s) on July 05, 2023 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

July 10, 2023
Date

Date: 7/10/2023

Client: AEI Consultants

Project: Novin Development

Work Order: 2307003

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Analytical Comments for method SW7471B, 2307003-016A MS/MSD, QC Preparation Batch ID 1152527, Note:The % recoveries for Mercury are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and % RPD limits. No corrective action required.

Analytical Comments for method 6010B, 2307003-016A MS/MSD, QC Preparation Batch ID 1152525, Note:The % recoveries for Barium, Chromium and Vanadium are outside of laboratory control limits but % RPDs are within limits. The associated LCS/LCSD is within both % Recovery and % RPD limits. No corrective action required.

REVISIONS

Report revised to correct sample IDs for groundwater samples.

Rev. 1 (7/11/23)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nick Woods
AEI Consultants

Date Received: 07/05/23
Date Reported: 07/10/23

SB1-9.5' 2307003-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.66	2.0	10.1	mg/Kg
TPH as Motor Oil	SW8015B	1	0.76	5.0	33.6	mg/Kg

SB-2-12' 2307003-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.66	2.0	20.4	mg/Kg
TPH as Motor Oil	SW8015B	1	0.76	5.0	50.5	mg/Kg

SB-3-12' 2307003-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.66	2.0	8.49	mg/Kg

SB-4-1' 2307003-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.37	mg/Kg
Barium	SW6010B	1	0.055	5.00	55.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.3	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.7	mg/Kg
Lead	SW6010B	1	0.10	3.00	4.79	mg/Kg
Nickel	SW6010B	1	0.50	5.00	28.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	45.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	28.9	mg/Kg

SB-4-12' 2307003-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	5	3.3	10	87.1	mg/Kg
TPH as Motor Oil	SW8015B	5	3.8	25	28.2	mg/Kg
2-Butanone	SW8260B	100	230	1000	1600	ug/Kg
TPH as Gasoline	SW8260B(TPH)	100	4300	10000	81900	ug/Kg

SB-5-1' 2307003-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	5.75	mg/Kg
Barium	SW6010B	1	0.055	5.00	137	mg/Kg
Chromium	SW6010B	1	0.075	5.00	42.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	20.2	mg/Kg
Lead	SW6010B	1	0.10	3.00	28.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	45.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	40.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	45.7	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nick Woods
AEI Consultants

Date Received: 07/05/23
Date Reported: 07/10/23

SB-5-12' 2307003-025

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	3	2.0	6.0	68.9	mg/Kg
TPH as Motor Oil	SW8015B	3	2.3	15	108	mg/Kg
TPH as Gasoline	SW8260B(TPH)	100	4300	10000	34900	ug/Kg

SB-6-1' 2307003-026

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	6.45	mg/Kg
Barium	SW6010B	1	0.055	5.00	154	mg/Kg
Chromium	SW6010B	1	0.075	5.00	55.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.5	mg/Kg
Copper	SW6010B	1	0.20	5.00	24.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	10.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	40.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	56.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	48.7	mg/Kg

SB1-6-12' 2307003-030

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	3	2.0	6.0	14.7	mg/Kg
TPH as Motor Oil	SW8015B	3	2.3	15	26.1	mg/Kg

SB-1-W 2307003-031

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.037	0.10	0.380	mg/L

SB-2-W 2307003-032

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.037	0.10	0.456	mg/L
Isopropyl Benzene	SW8260B	1	0.22	0.50	1.7	ug/L
n-Propylbenzene	SW8260B	1	0.30	0.50	4.8	ug/L
tert-Butylbenzene	SW8260B	1	0.26	0.50	2.2	ug/L
sec-Butyl Benzene	SW8260B	1	0.30	0.50	0.52	ug/L
n-Butylbenzene	SW8260B	1	0.27	0.50	0.71	ug/L
TPH Gasoline	SW8260TPH	1	29	50	293	ug/L

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nick Woods
AEI Consultants

Date Received: 07/05/23
Date Reported: 07/10/23

SB-4-W 2307003-033

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.037	0.10	1.11	mg/L
Benzene	SW8260B	4.2	0.27	2.1	6.9	ug/L
Ethylbenzene	SW8260B	4.2	0.82	2.1	31	ug/L
Isopropyl Benzene	SW8260B	4.2	0.91	2.1	13	ug/L
n-Propylbenzene	SW8260B	4.2	1.2	2.1	36	ug/L
tert-Butylbenzene	SW8260B	4.2	1.1	2.1	3.6	ug/L
sec-Butyl Benzene	SW8260B	4.2	1.2	2.1	2.1	ug/L
n-Butylbenzene	SW8260B	4.2	1.1	2.1	4.0	ug/L
Naphthalene	SW8260B	4.2	5.1	8.4	63	ug/L
TPH Gasoline	SW8260TPH	4.2	120	210	929	ug/L

SB-5-W 2307003-034

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	5	1.2	3.1	33.6	mg/L
TPH as Motor Oil	SW8015B	5	3.5	13	35.6	mg/L
Benzene	SW8260B	21	1.4	11	190	ug/L
Ethylbenzene	SW8260B	21	4.1	11	660	ug/L
m,p-Xylene	SW8260B	21	8.3	21	34	ug/L
Isopropyl Benzene	SW8260B	21	4.6	11	270	ug/L
n-Propylbenzene	SW8260B	21	6.2	11	790	ug/L
1,3,5-Trimethylbenzene	SW8260B	21	5.1	11	170	ug/L
tert-Butylbenzene	SW8260B	21	5.5	11	170	ug/L
sec-Butyl Benzene	SW8260B	21	6.2	11	66	ug/L
p-Isopropyltoluene	SW8260B	21	5.6	11	60	ug/L
n-Butylbenzene	SW8260B	21	5.7	11	140	ug/L
1,2-Dichlorobenzene	SW8260B	21	3.4	11	29	ug/L
Naphthalene	SW8260B	21	25	42	1200	ug/L
TPH Gasoline	SW8260TPH	21	610	1100	42800	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-9.5'	**Lab Sample ID:**	2307003-005A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 10:32		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23	10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.66	2.0	**10.1**	x	mg/Kg	07/07/23	15:40	SN	476182
TPH as Motor Oil	SW8015B	1	0.76	5.0	**33.6**		mg/Kg	07/07/23	15:40	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**52.4**		%	07/07/23	15:40	SN	476182

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-9.5'	**Lab Sample ID:**	2307003-005A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 10:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
TBA	SW8260B	1	12	50	ND		ug/Kg	07/07/23	18:42	JZ	476211
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Trichloroethene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-9.5'	**Lab Sample ID:**	2307003-005A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 10:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	18:42	JZ	476211
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/07/23	18:42	JZ	476211
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**108**		%	07/07/23	18:42	JZ	476211
(S) Toluene-d8	SW8260B		55.2 - 133		**127**		%	07/07/23	18:42	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**154**	S	%	07/07/23	18:42	JZ	476211

NOTE: S-outside of control limits. Second analysis yielded similar results indicatilng likely matrix interference.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-9.5'	**Lab Sample ID:**	2307003-005A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 10:32		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:01:00AM
Prep Batch ID:	1152567	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	1	43	100	ND		ug/Kg	07/07/23	18:42	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**60.4**		%	07/07/23	18:42	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-12'	**Lab Sample ID:**	2307003-010A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 8:30		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23 10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.66	2.0	**20.4**	x	mg/Kg	07/07/23	16:06	SN	476182
TPH as Motor Oil	SW8015B	1	0.76	5.0	**50.5**		mg/Kg	07/07/23	16:06	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**78.6**		%	07/07/23	16:06	SN	476182

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-12'	**Lab Sample ID:**	2307003-010A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 8:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
TBA	SW8260B	1	12	50	ND		ug/Kg	07/07/23	19:12	JZ	476211
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Trichloroethene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-12'	**Lab Sample ID:**	2307003-010A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 8:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:12	JZ	476211
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/07/23	19:12	JZ	476211
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**103**		%	07/07/23	19:12	JZ	476211
(S) Toluene-d8	SW8260B		55.2 - 133		**105**		%	07/07/23	19:12	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**103**		%	07/07/23	19:12	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-12'	**Lab Sample ID:**	2307003-010A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 8:30		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:01:00AM
Prep Batch ID:	1152567	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	1	43	100	ND		ug/Kg	07/07/23	19:12	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**113**		%	07/07/23	19:12	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-3-12'	**Lab Sample ID:**	2307003-015A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 11:41		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23	10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.66	2.0	**8.49**	x	mg/Kg	07/07/23	16:32	SN	476182
TPH as Motor Oil	SW8015B	1	0.76	5.0	ND		mg/Kg	07/07/23	16:32	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**69.5**		%	07/07/23	16:32	SN	476182

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-3-12'	**Lab Sample ID:**	2307003-015A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 11:41		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
TBA	SW8260B	1	12	50	ND		ug/Kg	07/07/23	19:42	JZ	476211
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Trichloroethene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-3-12'	**Lab Sample ID:**	2307003-015A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 11:41		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23	11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	19:42	JZ	476211
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/07/23	19:42	JZ	476211
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**104**		%	07/07/23	19:42	JZ	476211
(S) Toluene-d8	SW8260B		55.2 - 133		**107**		%	07/07/23	19:42	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**101**		%	07/07/23	19:42	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-3-12'	**Lab Sample ID:**	2307003-015A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 11:41		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:01:00AM
Prep Batch ID:	1152567	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	1	43	100	ND		ug/Kg	07/07/23	19:42	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**116**		%	07/07/23	19:42	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-1'	**Lab Sample ID:**	2307003-016A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:04		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/6/23	8:00:00PM
Prep Batch ID:	1152527	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/07/23	14:44	ERR	476192

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-1'	**Lab Sample ID:**	2307003-016A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:04		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/6/23	6:30:00PM
Prep Batch ID:	1152525	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	12:57	AT	476195
Arsenic	SW6010B	1	0.15	1.30	**3.37**		mg/Kg	07/07/23	12:57	AT	476195
Barium	SW6010B	1	0.055	5.00	**55.5**		mg/Kg	07/07/23	12:57	AT	476195
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/07/23	12:57	AT	476195
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	07/07/23	12:57	AT	476195
Chromium	SW6010B	1	0.075	5.00	**40.0**		mg/Kg	07/07/23	12:57	AT	476195
Cobalt	SW6010B	1	0.070	5.00	**10.3**		mg/Kg	07/07/23	12:57	AT	476195
Copper	SW6010B	1	0.20	5.00	**35.7**		mg/Kg	07/07/23	12:57	AT	476195
Lead	SW6010B	1	0.10	3.00	**4.79**		mg/Kg	07/07/23	12:57	AT	476195
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	12:57	AT	476195
Nickel	SW6010B	1	0.50	5.00	**28.6**		mg/Kg	07/07/23	12:57	AT	476195
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	07/07/23	12:57	AT	476195
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	07/07/23	12:57	AT	476195
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	07/07/23	12:57	AT	476195
Vanadium	SW6010B	1	0.10	5.00	**45.9**		mg/Kg	07/07/23	12:57	AT	476195
Zinc	SW6010B	1	0.30	5.00	**28.9**		mg/Kg	07/07/23	12:57	AT	476195

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-12'	**Lab Sample ID:**	2307003-020A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:22		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23 10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	3.3	10	**87.1**	x	mg/Kg	07/10/23	17:01	SN	476182
TPH as Motor Oil	SW8015B	5	3.8	25	**28.2**		mg/Kg	07/10/23	17:01	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**80.5**		%	07/10/23	17:01	SN	476182

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics and over-lapping of oil range organics within diesel quantified range quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-12'	**Lab Sample ID:**	2307003-020A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:00:00AM
Prep Batch ID:	1152588	**Prep Analyst:**	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	100	120	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Chloromethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Vinyl Chloride	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Bromomethane	SW8260B	100	270	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Chloroethane	SW8260B	100	300	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Trichlorofluoromethane	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1-Dichloroethene	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Freon 113	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Methylene Chloride	SW8260B	100	710	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
trans-1,2-Dichloroethene	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
MTBE	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
TBA	SW8260B	100	1200	5000	ND		ug/Kg	07/07/23	18:10	HV	476234
Diisopropyl ether	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1-Dichloroethane	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Ethyl tert-Butyl ether	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
cis-1,2-Dichloroethene	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
2,2-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Bromochloromethane	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Chloroform	SW8260B	100	240	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Carbon Tetrachloride	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1,1-Trichloroethane	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1-Dichloropropene	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Benzene	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
TAME	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2-Dichloroethane	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Trichloroethene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Dibromomethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Bromodichloromethane	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
cis-1,3-Dichloropropene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Toluene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Tetrachloroethene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
trans-1,3-Dichloropropene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1,2-Trichloroethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Dibromochloromethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,3-Dichloropropane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2-Dibromoethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Chlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Ethylbenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-12'	**Lab Sample ID:**	2307003-020A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:00:00AM
Prep Batch ID:	1152588	**Prep Analyst:**	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
m,p-Xylene	SW8260B	100	320	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
o-Xylene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Styrene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Bromoform	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Isopropyl Benzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
n-Propylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Bromobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,1,2,2-Tetrachloroethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
2-Chlorotoluene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,3,5-Trimethylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2,3-Trichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
4-Chlorotoluene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
tert-Butylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2,4-Trimethylbenzene	SW8260B	100	140	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
sec-Butyl Benzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
p-Isopropyltoluene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,3-Dichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,4-Dichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
n-Butylbenzene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2-Dichlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2-Dibromo-3-Chloropropane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Hexachlorobutadiene	SW8260B	100	140	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2,4-Trichlorobenzene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
Naphthalene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
1,2,3-Trichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:10	HV	476234
2-Butanone	SW8260B	100	230	1000	**1600**		ug/Kg	07/07/23	18:10	HV	476234
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**97.7**		%	07/07/23	18:10	HV	476234
(S) Toluene-d8	SW8260B		55.2 - 133		**91.0**		%	07/07/23	18:10	HV	476234
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**99.1**		%	07/07/23	18:10	HV	476234

NOTE: Methanol Extracted -Reporting limits were raised due to the high level of non-target hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-12'	**Lab Sample ID:**	2307003-020A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 9:22		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:00:00AM
Prep Batch ID:	1152592	**Prep Analyst:**	HVYAS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	100	4300	10000	**81900**	x	ug/Kg	07/07/23	18:10	HV	476234
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**74.5**		%	07/07/23	18:10	HV	476234

NOTE: x-Not typical of gasoline standard pattern. Reported TPH value due to contribution from heavy end hydrocarbons in the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-1'	**Lab Sample ID:**	2307003-021A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:28		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/6/23	8:00:00PM
Prep Batch ID:	1152527	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/07/23	14:51	ERR	476192

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-1'	**Lab Sample ID:**	2307003-021A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:28		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/6/23	6:30:00PM
Prep Batch ID:	1152525	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	13:02	AT	476195
Arsenic	SW6010B	1	0.15	1.30	**5.75**		mg/Kg	07/07/23	13:02	AT	476195
Barium	SW6010B	1	0.055	5.00	**137**		mg/Kg	07/07/23	13:02	AT	476195
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/07/23	13:02	AT	476195
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	07/07/23	13:02	AT	476195
Chromium	SW6010B	1	0.075	5.00	**42.8**		mg/Kg	07/07/23	13:02	AT	476195
Cobalt	SW6010B	1	0.070	5.00	**10.1**		mg/Kg	07/07/23	13:02	AT	476195
Copper	SW6010B	1	0.20	5.00	**20.2**		mg/Kg	07/07/23	13:02	AT	476195
Lead	SW6010B	1	0.10	3.00	**28.3**		mg/Kg	07/07/23	13:02	AT	476195
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	13:02	AT	476195
Nickel	SW6010B	1	0.50	5.00	**45.1**		mg/Kg	07/07/23	13:02	AT	476195
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	07/07/23	13:02	AT	476195
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	07/07/23	13:02	AT	476195
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	07/07/23	13:02	AT	476195
Vanadium	SW6010B	1	0.10	5.00	**40.1**		mg/Kg	07/07/23	13:02	AT	476195
Zinc	SW6010B	1	0.30	5.00	**45.7**		mg/Kg	07/07/23	13:02	AT	476195

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-12'	**Lab Sample ID:**	2307003-025A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:49		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23	10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	3	2.0	6.0	**68.9**	x	mg/Kg	07/08/23	16:51	SN	476182
TPH as Motor Oil	SW8015B	3	2.3	15	**108**		mg/Kg	07/08/23	16:51	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**34.5**	S	%	07/08/23	16:51	SN	476182

NOTE: S-surrogate outside of control limits due to possible matrix interference
x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-12'	**Lab Sample ID:**	2307003-025A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:49		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:00:00AM
Prep Batch ID:	1152588	**Prep Analyst:**	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	100	120	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Chloromethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Vinyl Chloride	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Bromomethane	SW8260B	100	270	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Chloroethane	SW8260B	100	300	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Trichlorofluoromethane	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1-Dichloroethene	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Freon 113	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Methylene Chloride	SW8260B	100	710	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
trans-1,2-Dichloroethene	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
MTBE	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
TBA	SW8260B	100	1200	5000	ND		ug/Kg	07/07/23	18:40	HV	476234
Diisopropyl ether	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1-Dichloroethane	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Ethyl tert-Butyl ether	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
cis-1,2-Dichloroethene	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
2,2-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Bromochloromethane	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Chloroform	SW8260B	100	240	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Carbon Tetrachloride	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1,1-Trichloroethane	SW8260B	100	210	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1-Dichloropropene	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Benzene	SW8260B	100	220	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
TAME	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2-Dichloroethane	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Trichloroethene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Dibromomethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2-Dichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Bromodichloromethane	SW8260B	100	200	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
cis-1,3-Dichloropropene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Toluene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Tetrachloroethene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
trans-1,3-Dichloropropene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1,2-Trichloroethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Dibromochloromethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,3-Dichloropropane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2-Dibromoethane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Chlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Ethylbenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-12'	**Lab Sample ID:**	2307003-025A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:49		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:00:00AM
Prep Batch ID:	1152588	**Prep Analyst:**	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
m,p-Xylene	SW8260B	100	320	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
o-Xylene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Styrene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Bromoform	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Isopropyl Benzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
n-Propylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Bromobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,1,2,2-Tetrachloroethane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
2-Chlorotoluene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,3,5-Trimethylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2,3-Trichloropropane	SW8260B	100	190	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
4-Chlorotoluene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
tert-Butylbenzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2,4-Trimethylbenzene	SW8260B	100	140	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
sec-Butyl Benzene	SW8260B	100	160	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
p-Isopropyltoluene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,3-Dichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,4-Dichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
n-Butylbenzene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2-Dichlorobenzene	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2-Dibromo-3-Chloropropane	SW8260B	100	180	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Hexachlorobutadiene	SW8260B	100	140	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2,4-Trichlorobenzene	SW8260B	100	150	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
Naphthalene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
1,2,3-Trichlorobenzene	SW8260B	100	170	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
2-Butanone	SW8260B	100	230	1000	ND		ug/Kg	07/07/23	18:40	HV	476234
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**89.1**		%	07/07/23	18:40	HV	476234
(S) Toluene-d8	SW8260B		55.2 - 133		**95.1**		%	07/07/23	18:40	HV	476234
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**97.8**		%	07/07/23	18:40	HV	476234

NOTE: Methanol Extracted -Reporting limits were raised due to the high level of non-target hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-12'	**Lab Sample ID:**	2307003-025A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 12:49		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:00:00AM
Prep Batch ID:	1152592	**Prep Analyst:**	HVYAS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	100	4300	10000	**34900**	x	ug/Kg	07/07/23	18:40	HV	476234
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**87.5**		%	07/07/23	18:40	HV	476234

NOTE: x-Not typical of gasoline standard pattern. Reported TPH value due to contribution from heavy end hydrocarbons in the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-6-1'	**Lab Sample ID:**	2307003-026A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:11		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	7/6/23	8:00:00PM
Prep Batch ID:	1152527	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/07/23	14:53	ERR	476192

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-6-1'	**Lab Sample ID:**	2307003-026A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:11		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	7/6/23	6:30:00PM
Prep Batch ID:	1152525	**Prep Analyst:**	TNGO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	13:04	AT	476195
Arsenic	SW6010B	1	0.15	1.30	**6.45**		mg/Kg	07/07/23	13:04	AT	476195
Barium	SW6010B	1	0.055	5.00	**154**		mg/Kg	07/07/23	13:04	AT	476195
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/07/23	13:04	AT	476195
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	07/07/23	13:04	AT	476195
Chromium	SW6010B	1	0.075	5.00	**55.5**		mg/Kg	07/07/23	13:04	AT	476195
Cobalt	SW6010B	1	0.070	5.00	**10.5**		mg/Kg	07/07/23	13:04	AT	476195
Copper	SW6010B	1	0.20	5.00	**24.0**		mg/Kg	07/07/23	13:04	AT	476195
Lead	SW6010B	1	0.10	3.00	**10.8**		mg/Kg	07/07/23	13:04	AT	476195
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/07/23	13:04	AT	476195
Nickel	SW6010B	1	0.50	5.00	**40.5**		mg/Kg	07/07/23	13:04	AT	476195
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	07/07/23	13:04	AT	476195
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	07/07/23	13:04	AT	476195
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	07/07/23	13:04	AT	476195
Vanadium	SW6010B	1	0.10	5.00	**56.0**		mg/Kg	07/07/23	13:04	AT	476195
Zinc	SW6010B	1	0.30	5.00	**48.7**		mg/Kg	07/07/23	13:04	AT	476195

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-6-12'	**Lab Sample ID:**	2307003-030A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:32		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	7/6/23	10:16:00AM
Prep Batch ID:	1152485	**Prep Analyst:**	AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	3	2.0	6.0	**14.7**	x	mg/Kg	07/07/23	17:49	SN	476182
TPH as Motor Oil	SW8015B	3	2.3	15	**26.1**		mg/Kg	07/07/23	17:49	SN	476182
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		**57.1**		%	07/07/23	17:49	SN	476182

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-6-12'	**Lab Sample ID:**	2307003-030A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
TBA	SW8260B	1	12	50	ND		ug/Kg	07/07/23	20:13	JZ	476211
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Trichloroethene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-6-12'	**Lab Sample ID:**	2307003-030A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	7/7/23 11:01:00AM
Prep Batch ID:	1152566	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/07/23	20:13	JZ	476211
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/07/23	20:13	JZ	476211
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**111**		%	07/07/23	20:13	JZ	476211
(S) Toluene-d8	SW8260B		55.2 - 133		**107**		%	07/07/23	20:13	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**112**		%	07/07/23	20:13	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB1-6-12'	**Lab Sample ID:**	2307003-030A
Project Name/Location:	Novin Development	**Sample Matrix:**	Soil
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 13:32		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	7/7/23	11:01:00AM
Prep Batch ID:	1152567	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	SW8260B(TPH)	1	43	100	ND		ug/Kg	07/07/23	20:13	JZ	476211
(S) 4-Bromofluorobenzene	SW8260B(TPH)		43.9 - 127		**92.8**		%	07/07/23	20:13	JZ	476211

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-1-W	**Lab Sample ID:**	2307003-031A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:10		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23 11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Methylene Chloride	SW8260B	1	0.13	1.0	ND		ug/L	07/05/23	18:27	JZ	476167
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
tert-Butanol	SW8260B	1	2.9	5.0	ND		ug/L	07/05/23	18:27	JZ	476167
DIPE	SW8260B	1	0.12	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Benzene	SW8260B	1	0.065	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
TAME	SW8260B	1	0.072	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Ethylbenzene	SW8260B	1	0.20	0.50	ND		ug/L	07/05/23	18:27	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-1-W	**Lab Sample ID:**	2307003-031A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:10		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	07/05/23	18:27	JZ	476167
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/05/23	18:27	JZ	476167
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	07/05/23	18:27	JZ	476167
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	07/05/23	18:27	JZ	476167
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	07/05/23	18:27	JZ	476167
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	07/05/23	18:27	JZ	476167
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	07/05/23	18:27	JZ	476167
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**100.**		%	07/05/23	18:27	JZ	476167
(S) Toluene-d8	SW8260B		75.1 - 127		**98.1**		%	07/05/23	18:27	JZ	476167
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**82.0**		%	07/05/23	18:27	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-1-W	**Lab Sample ID:**	2307003-031A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:10		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152513	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH Gasoline	SW8260TPH	1	29	50	ND		ug/L	07/05/23	18:27	JZ	476167
(S) 4-Bromofluorobenzene	SW8260TPH		41.5 - 125		**68.6**		%	07/05/23	18:27	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-1-W	**Lab Sample ID:**	2307003-031B
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:10		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/6/23 1:12:00PM
Prep Batch ID:	1152540	**Prep Analyst:**	SSUTRA

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.380**	x	mg/L	07/08/23	14:38	SN	476244
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/23	14:38	SN	476244
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**91.9**		%	07/08/23	14:38	SN	476244

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-W	**Lab Sample ID:**	2307003-032A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 14:50		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/6/23 11:37:00AM
Prep Batch ID:	1152545	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Methylene Chloride	SW8260B	1	0.13	1.0	ND		ug/L	07/06/23	15:58	JZ	476196
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
tert-Butanol	SW8260B	1	2.9	5.0	ND		ug/L	07/06/23	15:58	JZ	476196
DIPE	SW8260B	1	0.12	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Benzene	SW8260B	1	0.065	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
TAME	SW8260B	1	0.072	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Ethylbenzene	SW8260B	1	0.20	0.50	ND		ug/L	07/06/23	15:58	JZ	476196

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-W	**Lab Sample ID:**	2307003-032A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 14:50		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/6/23 11:37:00AM
Prep Batch ID:	1152545	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	07/06/23	15:58	JZ	476196
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
Isopropyl Benzene	SW8260B	1	0.22	0.50	**1.7**		ug/L	07/06/23	15:58	JZ	476196
n-Propylbenzene	SW8260B	1	0.30	0.50	**4.8**		ug/L	07/06/23	15:58	JZ	476196
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
tert-Butylbenzene	SW8260B	1	0.26	0.50	**2.2**		ug/L	07/06/23	15:58	JZ	476196
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
sec-Butyl Benzene	SW8260B	1	0.30	0.50	**0.52**		ug/L	07/06/23	15:58	JZ	476196
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
n-Butylbenzene	SW8260B	1	0.27	0.50	**0.71**		ug/L	07/06/23	15:58	JZ	476196
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/06/23	15:58	JZ	476196
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	07/06/23	15:58	JZ	476196
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	07/06/23	15:58	JZ	476196
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	07/06/23	15:58	JZ	476196
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	07/06/23	15:58	JZ	476196
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	07/06/23	15:58	JZ	476196
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**75.2**		%	07/06/23	15:58	JZ	476196
(S) Toluene-d8	SW8260B		75.1 - 127		**111**		%	07/06/23	15:58	JZ	476196
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**92.4**		%	07/06/23	15:58	JZ	476196

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-W	**Lab Sample ID:**	2307003-032A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 14:50		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/6/23	11:37:00AM
Prep Batch ID:	1152546	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH Gasoline	SW8260TPH	1	29	50	**293**	x	ug/L	07/06/23	15:58	JZ	476196
(S) 4-Bromofluorobenzene	SW8260TPH		41.5 - 125		**65.7**		%	07/06/23	15:58	JZ	476196

NOTE: Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons and non-fuel light hydrocarbons to the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-2-W	**Lab Sample ID:**	2307003-032B
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 14:50		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/6/23 1:12:00PM
Prep Batch ID:	1152540	**Prep Analyst:**	SSUTRA

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.456**	x	mg/L	07/08/23	15:00	SN	476244
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/23	15:00	SN	476244
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**95.0**		%	07/08/23	15:00	SN	476244

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-W	**Lab Sample ID:**	2307003-033A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:00		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23 11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	4.2	1.1	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Chloromethane	SW8260B	4.2	0.70	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Vinyl Chloride	SW8260B	4.2	0.87	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Bromomethane	SW8260B	4.2	0.89	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Chloroethane	SW8260B	4.2	0.48	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Trichlorofluoromethane	SW8260B	4.2	0.78	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1-Dichloroethene	SW8260B	4.2	0.60	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Freon 113	SW8260B	4.2	1.4	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Methylene Chloride	SW8260B	4.2	0.55	4.2	ND		ug/L	07/05/23	19:28	JZ	476167
trans-1,2-Dichloroethene	SW8260B	4.2	0.68	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
MTBE	SW8260B	4.2	0.32	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
tert-Butanol	SW8260B	4.2	12	21	ND		ug/L	07/05/23	19:28	JZ	476167
DIPE	SW8260B	4.2	0.51	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1-Dichloroethane	SW8260B	4.2	0.51	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
ETBE	SW8260B	4.2	0.27	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
cis-1,2-Dichloroethene	SW8260B	4.2	0.63	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
2,2-Dichloropropane	SW8260B	4.2	0.39	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Bromochloromethane	SW8260B	4.2	0.63	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Chloroform	SW8260B	4.2	0.51	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Carbon Tetrachloride	SW8260B	4.2	0.66	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1,1-Trichloroethane	SW8260B	4.2	0.68	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1-Dichloropropene	SW8260B	4.2	0.78	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Benzene	SW8260B	4.2	0.27	2.1	**6.9**		ug/L	07/05/23	19:28	JZ	476167
TAME	SW8260B	4.2	0.30	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,2-Dichloroethane	SW8260B	4.2	0.46	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Trichloroethylene	SW8260B	4.2	0.61	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Dibromomethane	SW8260B	4.2	0.45	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,2-Dichloropropane	SW8260B	4.2	0.37	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Bromodichloromethane	SW8260B	4.2	0.32	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
cis-1,3-Dichloropropene	SW8260B	4.2	0.33	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Toluene	SW8260B	4.2	0.60	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Tetrachloroethylene	SW8260B	4.2	1.00	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
trans-1,3-Dichloropropene	SW8260B	4.2	0.91	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1,2-Trichloroethane	SW8260B	4.2	0.32	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Dibromochloromethane	SW8260B	4.2	0.76	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,3-Dichloropropane	SW8260B	4.2	0.91	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,2-Dibromoethane	SW8260B	4.2	0.33	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Chlorobenzene	SW8260B	4.2	0.68	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Ethylbenzene	SW8260B	4.2	0.82	2.1	**31**		ug/L	07/05/23	19:28	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-W	**Lab Sample ID:**	2307003-033A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:00		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	4.2	0.37	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
m,p-Xylene	SW8260B	4.2	1.7	4.2	ND		ug/L	07/05/23	19:28	JZ	476167
o-Xylene	SW8260B	4.2	0.65	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Styrene	SW8260B	4.2	0.46	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Bromoform	SW8260B	4.2	0.32	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
Isopropyl Benzene	SW8260B	4.2	0.91	2.1	**13**		ug/L	07/05/23	19:28	JZ	476167
n-Propylbenzene	SW8260B	4.2	1.2	2.1	**36**		ug/L	07/05/23	19:28	JZ	476167
Bromobenzene	SW8260B	4.2	0.63	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,1,2,2-Tetrachloroethane	SW8260B	4.2	0.33	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
2-Chlorotoluene	SW8260B	4.2	1.1	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,3,5-Trimethylbenzene	SW8260B	4.2	1.0	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,2,3-Trichloropropane	SW8260B	4.2	0.61	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
4-Chlorotoluene	SW8260B	4.2	0.90	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
tert-Butylbenzene	SW8260B	4.2	1.1	2.1	**3.6**		ug/L	07/05/23	19:28	JZ	476167
1,2,4-Trimethylbenzene	SW8260B	4.2	0.97	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
sec-Butyl Benzene	SW8260B	4.2	1.2	2.1	**2.1**		ug/L	07/05/23	19:28	JZ	476167
p-Isopropyltoluene	SW8260B	4.2	1.1	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,3-Dichlorobenzene	SW8260B	4.2	0.70	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,4-Dichlorobenzene	SW8260B	4.2	0.74	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
n-Butylbenzene	SW8260B	4.2	1.1	2.1	**4.0**		ug/L	07/05/23	19:28	JZ	476167
1,2-Dichlorobenzene	SW8260B	4.2	0.67	2.1	ND		ug/L	07/05/23	19:28	JZ	476167
1,2-Dibromo-3-Chloropropane	SW8260B	4.2	3.2	8.4	ND		ug/L	07/05/23	19:28	JZ	476167
Hexachlorobutadiene	SW8260B	4.2	2.6	8.4	ND		ug/L	07/05/23	19:28	JZ	476167
1,2,4-Trichlorobenzene	SW8260B	4.2	3.9	8.4	ND		ug/L	07/05/23	19:28	JZ	476167
Naphthalene	SW8260B	4.2	5.1	8.4	**63**		ug/L	07/05/23	19:28	JZ	476167
1,2,3-Trichlorobenzene	SW8260B	4.2	5.1	8.4	ND		ug/L	07/05/23	19:28	JZ	476167
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**107**		%	07/05/23	19:28	JZ	476167
(S) Toluene-d8	SW8260B		75.1 - 127		**99.2**		%	07/05/23	19:28	JZ	476167
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**80.3**		%	07/05/23	19:28	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-W	**Lab Sample ID:**	2307003-033A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:00		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152513	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH Gasoline	SW8260TPH	4.2	120	210	**929**	x	ug/L	07/05/23	19:28	JZ	476167
(S) 4-Bromofluorobenzene	SW8260TPH		41.5 - 125		**82.5**		%	07/05/23	19:28	JZ	476167

NOTE: Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons and non-fuel light hydrocarbons to the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-4-W	**Lab Sample ID:**	2307003-033B
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:00		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/6/23 1:12:00PM
Prep Batch ID:	1152540	**Prep Analyst:**	SSUTRA

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**1.11**	x	mg/L	07/08/23	15:23	SN	476244
TPH as Motor Oil	SW8015B	1	0.11	0.40	ND		mg/L	07/08/23	15:23	SN	476244
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**92.5**		%	07/08/23	15:23	SN	476244

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-W	**Lab Sample ID:**	2307003-034A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:20		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	21	5.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
Chloromethane	SW8260B	21	3.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
Vinyl Chloride	SW8260B	21	4.4	11	ND		ug/L	07/05/23	19:58	JZ	476167
Bromomethane	SW8260B	21	4.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
Chloroethane	SW8260B	21	2.4	11	ND		ug/L	07/05/23	19:58	JZ	476167
Trichlorofluoromethane	SW8260B	21	3.9	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1-Dichloroethene	SW8260B	21	3.0	11	ND		ug/L	07/05/23	19:58	JZ	476167
Freon 113	SW8260B	21	7.2	11	ND		ug/L	07/05/23	19:58	JZ	476167
Methylene Chloride	SW8260B	21	2.7	21	ND		ug/L	07/05/23	19:58	JZ	476167
trans-1,2-Dichloroethene	SW8260B	21	3.4	11	ND		ug/L	07/05/23	19:58	JZ	476167
MTBE	SW8260B	21	1.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
tert-Butanol	SW8260B	21	62	110	ND		ug/L	07/05/23	19:58	JZ	476167
DIPE	SW8260B	21	2.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1-Dichloroethane	SW8260B	21	2.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
ETBE	SW8260B	21	1.3	11	ND		ug/L	07/05/23	19:58	JZ	476167
cis-1,2-Dichloroethene	SW8260B	21	3.2	11	ND		ug/L	07/05/23	19:58	JZ	476167
2,2-Dichloropropane	SW8260B	21	2.0	11	ND		ug/L	07/05/23	19:58	JZ	476167
Bromochloromethane	SW8260B	21	3.1	11	ND		ug/L	07/05/23	19:58	JZ	476167
Chloroform	SW8260B	21	2.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
Carbon Tetrachloride	SW8260B	21	3.3	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1,1-Trichloroethane	SW8260B	21	3.4	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1-Dichloropropene	SW8260B	21	3.9	11	ND		ug/L	07/05/23	19:58	JZ	476167
Benzene	SW8260B	21	1.4	11	**190**		ug/L	07/05/23	19:58	JZ	476167
TAME	SW8260B	21	1.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,2-Dichloroethane	SW8260B	21	2.3	11	ND		ug/L	07/05/23	19:58	JZ	476167
Trichloroethylene	SW8260B	21	3.1	11	ND		ug/L	07/05/23	19:58	JZ	476167
Dibromomethane	SW8260B	21	2.2	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,2-Dichloropropane	SW8260B	21	1.9	11	ND		ug/L	07/05/23	19:58	JZ	476167
Bromodichloromethane	SW8260B	21	1.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
cis-1,3-Dichloropropene	SW8260B	21	1.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
Toluene	SW8260B	21	3.0	11	ND		ug/L	07/05/23	19:58	JZ	476167
Tetrachloroethylene	SW8260B	21	5.0	11	ND		ug/L	07/05/23	19:58	JZ	476167
trans-1,3-Dichloropropene	SW8260B	21	4.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1,2-Trichloroethane	SW8260B	21	1.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
Dibromochloromethane	SW8260B	21	3.8	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,3-Dichloropropane	SW8260B	21	4.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,2-Dibromoethane	SW8260B	21	1.7	11	ND		ug/L	07/05/23	19:58	JZ	476167
Chlorobenzene	SW8260B	21	3.4	11	ND		ug/L	07/05/23	19:58	JZ	476167
Ethylbenzene	SW8260B	21	4.1	11	**660**		ug/L	07/05/23	19:58	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-W	**Lab Sample ID:**	2307003-034A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:20		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152512	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	21	1.8	11	ND		ug/L	07/05/23	19:58	JZ	476167
m,p-Xylene	SW8260B	21	8.3	21	**34**		ug/L	07/05/23	19:58	JZ	476167
o-Xylene	SW8260B	21	3.2	11	ND		ug/L	07/05/23	19:58	JZ	476167
Styrene	SW8260B	21	2.3	11	ND		ug/L	07/05/23	19:58	JZ	476167
Bromoform	SW8260B	21	1.6	11	ND		ug/L	07/05/23	19:58	JZ	476167
Isopropyl Benzene	SW8260B	21	4.6	11	**270**		ug/L	07/05/23	19:58	JZ	476167
n-Propylbenzene	SW8260B	21	6.2	11	**790**		ug/L	07/05/23	19:58	JZ	476167
Bromobenzene	SW8260B	21	3.1	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,1,2,2-Tetrachloroethane	SW8260B	21	1.7	11	ND		ug/L	07/05/23	19:58	JZ	476167
2-Chlorotoluene	SW8260B	21	5.3	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,3,5-Trimethylbenzene	SW8260B	21	5.1	11	**170**		ug/L	07/05/23	19:58	JZ	476167
1,2,3-Trichloropropane	SW8260B	21	3.0	11	ND		ug/L	07/05/23	19:58	JZ	476167
4-Chlorotoluene	SW8260B	21	4.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
tert-Butylbenzene	SW8260B	21	5.5	11	**170**		ug/L	07/05/23	19:58	JZ	476167
1,2,4-Trimethylbenzene	SW8260B	21	4.9	11	ND		ug/L	07/05/23	19:58	JZ	476167
sec-Butyl Benzene	SW8260B	21	6.2	11	**66**		ug/L	07/05/23	19:58	JZ	476167
p-Isopropyltoluene	SW8260B	21	5.6	11	**60**		ug/L	07/05/23	19:58	JZ	476167
1,3-Dichlorobenzene	SW8260B	21	3.5	11	ND		ug/L	07/05/23	19:58	JZ	476167
1,4-Dichlorobenzene	SW8260B	21	3.7	11	ND		ug/L	07/05/23	19:58	JZ	476167
n-Butylbenzene	SW8260B	21	5.7	11	**140**		ug/L	07/05/23	19:58	JZ	476167
1,2-Dichlorobenzene	SW8260B	21	3.4	11	**29**		ug/L	07/05/23	19:58	JZ	476167
1,2-Dibromo-3-Chloropropane	SW8260B	21	16	42	ND		ug/L	07/05/23	19:58	JZ	476167
Hexachlorobutadiene	SW8260B	21	13	42	ND		ug/L	07/05/23	19:58	JZ	476167
1,2,4-Trichlorobenzene	SW8260B	21	20	42	ND		ug/L	07/05/23	19:58	JZ	476167
Naphthalene	SW8260B	21	25	42	**1200**		ug/L	07/05/23	19:58	JZ	476167
1,2,3-Trichlorobenzene	SW8260B	21	25	42	ND		ug/L	07/05/23	19:58	JZ	476167
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**108**		%	07/05/23	19:58	JZ	476167
(S) Toluene-d8	SW8260B		75.1 - 127		**99.7**		%	07/05/23	19:58	JZ	476167
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**83.2**		%	07/05/23	19:58	JZ	476167

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-W	**Lab Sample ID:**	2307003-034A
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:20		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	7/5/23	11:26:00AM
Prep Batch ID:	1152513	**Prep Analyst:**	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH Gasoline	SW8260TPH	21	610	1100	**42800**	x	ug/L	07/05/23	19:58	JZ	476167
(S) 4-Bromofluorobenzene	SW8260TPH		41.5 - 125		**103**		%	07/05/23	19:58	JZ	476167

NOTE: x- Result is elevated due to contribution from heavy end hydrocarbons (possibly aged gasoline) and non-fuel light hydrocarbons to the C5-C12Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nick Woods
AEI Consultants

Date/Time Received: 07/05/23, 10:43 am
Date Reported: 07/10/23

Client Sample ID:	SB-5-W	**Lab Sample ID:**	2307003-034B
Project Name/Location:	Novin Development	**Sample Matrix:**	Water
Project Number:	479677		
Date/Time Sampled:	07/03/23 / 15:20		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	7/6/23 1:12:00PM
Prep Batch ID:	1152540	**Prep Analyst:**	SSUTRA

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	1.2	3.1	**33.6**	x	mg/L	07/10/23	12:48	SN	476248
TPH as Motor Oil	SW8015B	5	3.5	13	**35.6**		mg/L	07/10/23	12:48	SN	476248
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**89.0**		%	07/10/23	12:48	SN	476248

NOTE: Reporting limits increased due to limited sample available for extraction
x- Diesel result due to unknown organics and over-lapping of oil range organics within diesel quantified range quantified as diesel.

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	3546_TPH	**Prep Date:**	07/06/23	**Prep Batch:**	1152485
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476182
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			100	

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/05/23	**Prep Batch:**	1152512
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/5/2023	**Analytical Batch:**	476167
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	0.24	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/05/23	**Prep Batch:**	1152512
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/5/2023	**Analytical Batch:**	476167
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			107	
(S) Toluene-d8			104	
(S) 4-Bromofluorobenzene			90.8	

Work Order:	2307003	**Prep Method:**	5030GRO	**Prep Date:**	07/05/23	**Prep Batch:**	1152513
Matrix:	Water	**Analytical Method:**	SW8260TPH	**Analyzed Date:**	7/5/2023	**Analytical Batch:**	476167
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH Gasoline	29	50	ND	
(S) 4-Bromofluorobenzene			82.7	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	3050B	**Prep Date:**	07/06/23	**Prep Batch:**	1152525
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476195
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	0.10	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	0.750	ND	
Chromium	0.075	5.00	0.14	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	3.00	ND	
Molybdenum	0.050	5.00	ND	
Nickel	0.50	5.00	ND	
Selenium	0.35	1.10	ND	
Silver	0.15	0.500	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	0.73	

Work Order:	2307003	**Prep Method:**	7471BP	**Prep Date:**	07/06/23	**Prep Batch:**	1152527
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476192
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Work Order:	2307003	**Prep Method:**	3510_TPH	**Prep Date:**	07/06/23	**Prep Batch:**	1152540
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2023	**Analytical Batch:**	476244
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0632	
TPH as Motor Oil	0.11	0.40	0.229	
Pentacosane (S)			104	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/06/23	**Prep Batch:**	1152545
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/6/2023	**Analytical Batch:**	476196
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	0.23	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	0.27	
Isopropyl Benzene	0.22	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/06/23	**Prep Batch:**	1152545
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/6/2023	**Analytical Batch:**	476196
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			113	
(S) Toluene-d8			99.6	
(S) 4-Bromofluorobenzene			89.2	

Work Order:	2307003	**Prep Method:**	5030GRO	**Prep Date:**	07/06/23	**Prep Batch:**	1152546
Matrix:	Water	**Analytical Method:**	SW8260TPH	**Analyzed Date:**	7/6/2023	**Analytical Batch:**	476196
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH Gasoline	29	50	ND	
(S) 4-Bromofluorobenzene			76.3	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152566
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476211
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	ND		
Isopropyl Benzene	1.6	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152566
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476211
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	4.3	
Naphthalene	1.7	10	6.9	
1,2,3-Trichlorobenzene	1.7	10	5.7	
2-Butanone	2.3	10	ND	
MIBK	2.0	50	ND	
Hexachloroethane	5.0	10	ND	
1,4-Dioxane	100	200	ND	
2-Hexanone	5.0	20	ND	
Acetone	8.2	20	ND	
(S) Dibromofluoromethane			108	
(S) Toluene-d8			98.0	
(S) 4-Bromofluorobenzene			100.	

Work Order:	2307003	**Prep Method:**	5035GRO	**Prep Date:**	07/07/23	**Prep Batch:**	1152567
Matrix:	Soil	**Analytical Method:**	SW8260B(TPH)	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476211
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	43	100	ND	
(S) 4-Bromofluorobenzene			91.4	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	ND		
Isopropyl Benzene	1.6	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	ND	
(S) Dibromofluoromethane			86.9	
(S) Toluene-d8			97.8	
(S) 4-Bromofluorobenzene			92.8	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	120	1000	ND	
Chloromethane	180	1000	ND	
Vinyl Chloride	200	1000	ND	
Bromomethane	270	1000	ND	
Chloroethane	300	1000	ND	
Trichlorofluoromethane	210	1000	ND	
1,1-Dichloroethene	200	1000	ND	
Freon 113	190	1000	ND	
Methylene Chloride	710	1000	ND	
trans-1,2-Dichloroethene	210	1000	ND	
MTBE	230	1000	ND	
TBA	1200	5000	ND	
Diisopropyl ether	230	1000	ND	
1,1-Dichloroethane	220	1000	ND	
Ethyl tert-Butyl ether	230	1000	ND	
cis-1,2-Dichloroethene	220	1000	ND	
2,2-Dichloropropane	190	1000	ND	
Bromochloromethane	230	1000	ND	
Chloroform	240	1000	ND	
Carbon Tetrachloride	210	1000	ND	
1,1,1-Trichloroethane	210	1000	ND	
1,1-Dichloropropene	200	1000	ND	
Benzene	220	1000	ND	
TAME	230	1000	ND	
1,2-Dichloroethane	230	1000	ND	
Trichloroethene	180	1000	ND	
Dibromomethane	180	1000	ND	
1,2-Dichloropropane	190	1000	ND	
Bromodichloromethane	200	1000	ND	
cis-1,3-Dichloropropene	160	1000	ND	
Toluene	180	1000	ND	
Tetrachloroethene	170	1000	ND	
trans-1,3-Dichloropropene	160	1000	ND	
1,1,2-Trichloroethane	180	1000	ND	
Dibromochloromethane	190	1000	ND	
1,3-Dichloropropane	180	1000	ND	
1,2-Dibromoethane	180	1000	ND	
Chlorobenzene	180	1000	ND	
Ethylbenzene	170	1000	ND	
1,1,1,2-Tetrachloroethane	190	1000	ND	
m,p-Xylene	320	1000	ND	
o-Xylene	170	1000	ND	
Styrene	160	1000	ND	
Bromoform	170	1000	ND	
Isopropyl Benzene	160	1000	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	160	1000	ND	
Bromobenzene	180	1000	ND	
1,1,2,2-Tetrachloroethane	190	1000	ND	
2-Chlorotoluene	180	1000	ND	
1,3,5-Trimethylbenzene	160	1000	ND	
1,2,3-Trichloropropane	190	1000	ND	
4-Chlorotoluene	160	1000	ND	
tert-Butylbenzene	160	1000	ND	
1,2,4-Trimethylbenzene	140	1000	ND	
sec-Butyl Benzene	160	1000	ND	
p-Isopropyltoluene	150	1000	ND	
1,3-Dichlorobenzene	170	1000	ND	
1,4-Dichlorobenzene	170	1000	ND	
n-Butylbenzene	150	1000	ND	
1,2-Dichlorobenzene	180	1000	ND	
1,2-Dibromo-3-Chloropropane	180	1000	ND	
Hexachlorobutadiene	140	1000	ND	
1,2,4-Trichlorobenzene	150	1000	ND	
Naphthalene	170	1000	ND	
1,2,3-Trichlorobenzene	170	1000	ND	
2-Butanone	230	1000	ND	
MIBK	200	5000	ND	
Hexachloroethane	500	1000	ND	
1,4-Dioxane	10000	20000	ND	
2-Hexanone	500	2000	ND	
Acetone	820	2000	ND	
(S) Dibromofluoromethane			82.9	
(S) Toluene-d8			95.5	
(S) 4-Bromofluorobenzene			94.0	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	ND		
Isopropyl Benzene	1.6	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	ND	
MIBK	2.0	50	ND	
Hexachloroethane	5.0	10	ND	
1,4-Dioxane	100	200	ND	
2-Hexanone	5.0	20	ND	
Acetone	8.2	20	ND	
(S) Dibromofluoromethane			86.9	
(S) Toluene-d8			97.8	
(S) 4-Bromofluorobenzene			92.8	

Work Order:	2307003	**Prep Method:**	5035GRO	**Prep Date:**	07/07/23	**Prep Batch:**	1152592
Matrix:	Soil	**Analytical Method:**	SW8260B(TPH)	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	43	100	ND	
(S) 4-Bromofluorobenzene			88.1	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2307003	**Prep Method:**	5035GRO	**Prep Date:**	07/07/23	**Prep Batch:**	1152592
Matrix:	Soil	**Analytical Method:**	SW8260B(TPH)	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Gasoline	4300	10000	ND		
(S) 4-Bromofluorobenzene			85.1		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2307003	**Prep Method:**	3546_TPH	**Prep Date:**	07/06/23	**Prep Batch:**	1152485
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476182
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	97.4	101	4.03	52 - 115	30	
Pentacosane (S)				200	99.3	99.4		45 - 130		

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/05/23	**Prep Batch:**	1152512
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/5/2023	**Analytical Batch:**	476167
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	104	97.6	6.67	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	100	87.4	13.7	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	101	96.9	3.97	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	101	96.5	5.10	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	96.1	91.4	5.37	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	110	91.7		61.2 - 131		
(S) Toluene-d8				17.9	98.9	93.1		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	88.0	79.8		64.1 - 120		

Work Order:	2307003	**Prep Method:**	5030GRO	**Prep Date:**	07/05/23	**Prep Batch:**	1152513
Matrix:	Water	**Analytical Method:**	SW8260TPH	**Analyzed Date:**	7/5/2023	**Analytical Batch:**	476167
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH Gasoline	29	50	ND	238	102	81.4	22.0	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	94.8	82.5		41.5 - 125		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2307003	**Prep Method:**	3050B	**Prep Date:**	07/06/23	**Prep Batch:**	1152525
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476195
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	96.8	96.0	0.830	80 - 120	30	
Arsenic	0.15	1.30	ND	50	93.1	92.1	1.08	80 - 120	30	
Barium	0.055	5.00	0.10	50	101	99.6	1.40	80 - 120	30	
Beryllium	0.055	5.00	ND	50	97.5	96.5	1.03	80 - 120	30	
Cadmium	0.10	0.750	ND	50	97.0	95.9	1.04	80 - 120	30	
Chromium	0.075	5.00	0.14	50	101	99.7	1.20	80 - 120	30	
Cobalt	0.070	5.00	ND	50	98.7	97.6	1.22	80 - 120	30	
Copper	0.20	5.00	ND	50	99.4	98.3	1.01	80 - 120	30	
Lead	0.10	3.00	ND	50	98.2	97.2	1.02	80 - 120	30	
Molybdenum	0.050	5.00	ND	50	102	101	0.985	80 - 120	30	
Nickel	0.50	5.00	ND	50	97.6	96.8	0.823	80 - 120	30	
Selenium	0.22	5.00	ND	50	89.0	88.3	0.676	80 - 120	30	
Silver	0.15	5.00	ND	50	97.8	96.8	1.03	80 - 120	30	
Thallium	0.20	5.00	ND	50	97.2	96.2	1.03	80 - 120	30	
Vanadium	0.10	5.00	ND	50	100	99.3	0.602	80 - 120	30	
Zinc	0.30	5.00	0.73	50	95.3	94.2	1.27	80 - 120	30	

Work Order:	2307003	**Prep Method:**	7471BP	**Prep Date:**	07/06/23	**Prep Batch:**	1152527
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476192
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	115	113	2.11	80 - 120	20	

Work Order:	2307003	**Prep Method:**	3510_TPH	**Prep Date:**	07/06/23	**Prep Batch:**	1152540
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	7/8/2023	**Analytical Batch:**	476244
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0632	0.10	109	108	4.48	52 - 115	30	
Pentacosane (S)				0.020	99.2	99.1		59 - 129		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2307003	**Prep Method:**	5030VOC	**Prep Date:**	07/06/23	**Prep Batch:**	1152545
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/6/2023	**Analytical Batch:**	476196
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	109	106	3.13	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	99.2	98.3	0.567	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	104	107	2.65	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	105	105	0.533	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	103	101	1.10	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	109	108		61.2 - 131		
(S) Toluene-d8				17.9	104	102		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	90.1	89.4		64.1 - 120		

Work Order:	2307003	**Prep Method:**	5030GRO	**Prep Date:**	07/06/23	**Prep Batch:**	1152546
Matrix:	Water	**Analytical Method:**	SW8260TPH	**Analyzed Date:**	7/6/2023	**Analytical Batch:**	476196
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH Gasoline	29	50	ND	238	104	96.8	7.10	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	82.0	74.3		41.5 - 125		

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152566
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476211
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	103	103	0.388	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	110	108	1.84	66.5 - 135	30	
Trichloroethene	1.8	10	ND	50.0	112	111	1.26	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	111	108	3.10	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	114	112	2.30	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	103	99.7		59.8 - 148		
(S) Toluene-d8				50.0	101	98.1		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	94.0	95.2		55.8 - 141		

Work Order:	2307003	**Prep Method:**	5035GRO	**Prep Date:**	07/07/23	**Prep Batch:**	1152567
Matrix:	Soil	**Analytical Method:**	SW8260B(TPH)	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476211
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	111	106	4.61	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	109	111		43.9 - 127		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2307003	**Prep Method:**	5035	**Prep Date:**	07/07/23	**Prep Batch:**	1152588
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	106	91.7	14.0	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	116	94.0	20.6	66.5 - 135	30	
Trichloroethene	1.8	10	ND	50.0	112	94.3	16.9	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	108	97.3	10.5	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	108	96.3	11.2	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	109	97.8		59.8 - 148		
(S) Toluene-d8				50.0	105	93.8		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	106	93.5		55.8 - 141		

Work Order:	2307003	**Prep Method:**	5035GRO	**Prep Date:**	07/07/23	**Prep Batch:**	1152592
Matrix:	Soil	**Analytical Method:**	SW8260B(TPH)	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476234
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	98.0	91.7	6.64	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	78.4	89.3		43.9 - 127		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2307003	**Prep Method:**	3050B	**Prep Date:**	07/06/23	**Prep Batch:**	1152525
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476195
Spiked Sample:	2307003-016A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	87.1	91.4	4.70	30.7 - 130	30	
Arsenic	0.15	1.30	3.37	50	93.3	90.9	2.43	71.0 - 121	30	
Barium	0.055	5.00	55.5	50	133	91.0	18.8	70.2 - 130	30	S
Beryllium	0.055	5.00	ND	50	95.1	95.7	0.627	73.3 - 115	30	
Cadmium	0.10	0.750	ND	50	91.2	92.3	1.31	80.0 - 110	30	
Chromium	0.075	5.00	40.0	50	109	75.0	19.8	76.0 - 116	30	S
Cobalt	0.070	5.00	10.3	50	103	95.4	6.67	57.4 - 122	30	
Copper	0.20	5.00	35.7	50	99.6	95.6	2.37	74.8 - 119	30	
Lead	0.10	3.00	4.79	50	95.4	96.4	0.948	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	99.1	101	1.40	62.9 - 123	30	
Nickel	0.50	5.00	28.6	50	113	77.8	23.0	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	83.7	85.3	1.89	62.0 - 111	30	
Silver	0.15	5.00	ND	50	101	101	0.000	75 - 125	30	
Thallium	0.20	5.00	ND	50	87.1	88.6	1.59	39.2 - 125	30	
Vanadium	0.10	5.00	45.9	50	136	115	9.17	65.8 - 122	30	S
Zinc	0.30	5.00	28.9	50	108	99.2	5.57	59.9 - 122	30	

Work Order:	2307003	**Prep Method:**	7471BP	**Prep Date:**	07/06/23	**Prep Batch:**	1152527
Matrix:	**Soil**	**Analytical Method:**	SW7471B	**Analyzed Date:**	7/7/2023	**Analytical Batch:**	476192
Spiked Sample:	2307003-016A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	135	135	0.000	80 - 120	20	S

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: AEI Consultants

Project Name: Novin Development

Work Order No.: 2307003

Date and Time Received: 7/5/2023 10:43:00AM

Received By: Lorna Imbat

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	2.0	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: n/a

Comments:

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: Novin Development
Project # : 479677
Report Due Date: 7/10/2023

QC Level: II
TAT Requested: 3 Day Rush:3
Date Received: 7/5/2023
Time Received: 10:43 am

Comments:

Work Order # : ***2307003***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2307003-001A	SB-1-1'	07/03/23 10:16	Soil	12/30/23			Hold Samples	
2307003-002A	SB-1-2.5'	07/03/23 10:16	Soil	12/30/23			Hold Samples	
2307003-003A	SB-1-5'	07/03/23 10:25	Soil	12/30/23			Hold Samples	
2307003-004A	SB-1-8'	07/03/23 10:24	Soil	12/30/23			Hold Samples	
2307003-005A	SB1-9.5'	07/03/23 10:32	Soil	08/17/23			VOC_S_8260B TPHDO_S_8015(Mod) VOC_S_GRO	
2307003-006A	SB2-1'	07/03/23 8:13	Soil	12/30/23			Hold Samples	
2307003-007A	SB-2-2.5'	07/03/23 8:13	Soil	12/30/23			Hold Samples	
2307003-008A	SB-2-5'	07/03/23 8:20	Soil	12/30/23			Hold Samples	
2307003-009A	SB-2-8'	07/03/23 8:17	Soil	12/30/23			Hold Samples	
2307003-010A	SB-2-12'	07/03/23 8:30	Soil	12/30/23			VOC_S_8260B TPHDO_S_8015(Mod) VOC_S_GRO	
2307003-011A	SB-3-1'	07/03/23 11:17	Soil	12/30/23			Hold Samples	
2307003-012A	SB-3-2.5	07/03/23 11:23	Soil	12/30/23			Hold Samples	
2307003-013A	SB-3-5'	07/03/23 11:33	Soil	12/30/23			Hold Samples	
2307003-014A	SB3-8'	07/03/23 11:28	Soil	12/30/23			Hold Samples	
2307003-015A	SB-3-12'	07/03/23 11:41	Soil	12/30/23			VOC_S_8260B TPHDO_S_8015(Mod) VOC_S_GRO	
2307003-016A	SB-4-1'	07/03/23 9:04	Soil	12/30/23			Hg_S_7471B Met_S_6010B CAM17	

Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: Novin Development
Project # : 479677
Report Due Date: 7/10/2023

QC Level: II
TAT Requested: 3 Day Rush:3
Date Received: 7/5/2023
Time Received: 10:43 am

Comments:

Work Order # : ***2307003***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2307003-017A	SB4-2.5'	07/03/23 9:06	Soil	12/30/23			Hold Samples	
2307003-018A	SB4-5'	07/03/23 9:16	Soil	12/30/23			Hold Samples	
2307003-019A	SB4-8'	07/03/23 9:12	Soil	12/30/23			Hold Samples	
2307003-020A	SB-4-12'	07/03/23 9:22	Soil	12/30/23			TPHDO_S_8015(Mod) VOC_S_GRO VOC_S_8260B	
2307003-021A	SB-5-1'	07/03/23 12:28	Soil	12/30/23			Hg_S_7471B Met_S_6010B CAM17	
2307003-022A	SB5-2.5'	07/03/23 12:32	Soil	12/30/23			Hold Samples	
2307003-023A	SB-5-5'	07/03/23 12:46	Soil	12/30/23			Hold Samples	
2307003-024A	SB5-8'	07/03/23 12:42	Soil	12/30/23			Hold Samples	
2307003-025A	SB-5-12'	07/03/23 12:49	Soil	12/30/23			VOC_S_8260B TPHDO_S_8015(Mod) VOC_S_GRO	
2307003-026A	SB-6-1'	07/03/23 13:11	Soil	12/30/23			Hg_S_7471B Met_S_6010B CAM17	
2307003-027A	SB6-2.5'	07/03/23 13:12	Soil	12/30/23			Hold Samples	
2307003-028A	SB6-5'	07/03/23 13:23	Soil	12/30/23			Hold Samples	
2307003-029A	SB6-8'	07/03/23 13:26	Soil	12/30/23			Hold Samples	
2307003-030A	SB1-6-12'	07/03/23 13:32	Soil	12/30/23			VOC_S_8260B TPHDO_S_8015(Mod) VOC_S_GRO	
2307003-031A	SB-1-W	07/03/23 15:10	Water	08/17/23			VOC_W_8260B VOC_W_GRO	

Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: Novin Development
Project # : 479677
Report Due Date: 7/10/2023

QC Level: II
TAT Requested: 3 Day Rush:3
Date Received: 7/5/2023
Time Received: 10:43 am

Comments:

Work Order # : ***2307003***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2307003-031B	SB-1-W	07/03/23 15:10	Water	08/17/23			TPHDO_W_8015B(M)	
2307003-032A	SB-2-W	07/03/23 14:50	Water	12/30/23			VOC_W_8260B VOC_W_GRO	
2307003-032B	SB-2-W	07/03/23 14:50	Water	12/30/23			TPHDO_W_8015B(M)	
2307003-033A	SB-4-W	07/03/23 15:00	Water	12/30/23			VOC_W_8260B VOC_W_GRO	
2307003-033B	SB-4-W	07/03/23 15:00	Water	12/30/23			TPHDO_W_8015B(M)	
2307003-034A	SB-5-W	07/03/23 15:20	Water	12/30/23			VOC_W_8260B VOC_W_GRO	
2307003-034B	SB-5-W	07/03/23 15:20	Water	12/30/23			TPHDO_W_8015B(M)	

Sample Note: limited sample

Torrent LABORATORY, INC.

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Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2307003

Company Name: AEI Consultants	☐ Env. ☐ Special	Project #: 479677	PO #: 339236
Address: 2500 Camino Diablo		Project Name: Novin Development	
City: Walnut Creek	State: CA	Zip Code: 94597	Comments: please cc cklock@aeiconsultants.com
Telephone: 925-321-3561	Cell:	SAMPLER: Nick W	Quote #:
REPORT TO: Nick Woods	BILL TO: AEI Consultants	EMAIL: nwoods@aeiconsultants.com	

TURNAROUND TIME:
☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days
☐ Noon - Nxt Day ☒ 3 Work Days ☐ 7 Work Days
☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE:
☐ Indoor Air
☐ Ambient Air
☐ Soil/Gas Vapor
☐ Other

REPORT FORMAT:
☐ Level II - Std.
☐ Excel - EDD
☐ EDF ☐ Std.-EDD
☐ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15	TO 15 SIM	TO 17	TPH-multi	VOCs	Hold	REMARKS
001A	SB-1-1'	7/3/23 10:16	S	1	6L 1L					☐	☐	☐			X	Results by 7/10
002A	SB-1-2.5'	10:16			6L 1L					☐	☐	☐			X	EOD
003A	SB-1-5'	10:25			6L 1L					☐	☐	☐			X	
004A	SB-1-8'	10:24			6L 1L					☐	☐	☐			X	
005A	SB-1-9.5'	10:32			6L 1L					☐	☐	☐	X	X		
006A	SB-2-1'	8:13			6L 1L					☐	☐	☐			X	
007A	SB-2-2.5'	8:13			6L 1L					☐	☐	☐			X	
008A	SB-2-5'	8:20			6L 1L					☐	☐	☐			X	
009A	SB-2-8'	8:17			6L 1L					☐	☐	☐			X	
010A	SB-2-12'	8:30	↓	↓	6L 1L					☐	☐	☐	X	X		

RUSH
Date Due:
Time Due:

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Nick Woods	Nick Woods	7/5/23	1043		L-D. Tinsley	7-5-23	1043
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment D/O Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 2.4#3 °C

Page 1 of 4 Rev. 5

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Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2307003

Company Name: AEI Consultants ☐ Env. ☐ Special		Project #: 479677	PO #: 339236
Address: 2500 Camino Diablo		Project Name: Novin Development	
City: Walnut Creek	State: CA Zip Code: 94597	Comments:	
Telephone: 925-321-3561	Cell:	SAMPLER: Nick W	Quote #:
REPORT TO: Nick Woods	BILL TO: AEI Consultants	EMAIL: nwoods@aeiconsultants.com	

TURNAROUND TIME: ☐ 2 - 8 Hours ☑ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☑ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE: ☐ Indoor Air ☐ Ambient Air ☐ Soil/Gas Vapor ☐ Other

REPORT FORMAT: ☐ Level II - Std. ☐ Excel - EDD ☐ EDF ☐ Std.-EDD ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15	TO 15 SIM	TO 17	TPH-multi	VOCs	Cam-17 metals	REMARKS
011A	SB-3-1'	7/3/23	11:17	S	1	6L 1L					☐	☐	☐				Hold
012A	SB-3-2.5'		11:23			6L 1L					☐	☐	☐				Hold
013A	SB-3-5'		11:33			6L 1L					☐	☐	☐				Hold
014A	SB-3-8'		11:28			6L 1L					☐	☐	☐				Hold
015A	SB-3-12'		11:41			6L 1L					☐	☐	☐	X	X		
016A	SB-4-1'		9:04			6L 1L					☐	☐	☐			X	
017A	SB-4-2.5'		9:06			6L 1L					☐	☐	☐				Hold
018A	SB-4-5'		9:16			6L 1L					☐	☐	☐				Hold
019A	SB-4-8'		9:12			6L 1L					☐	☐	☐				Hold
020A	SB-4-12'	↓	9:22	↓	↓	6L 1L					☐	☐	☐	X	X		

RUSH
Date Due:
Time Due:

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Nic Woods	Nick Woods	7/5/23	1043		L.D. Imsal	7-5-23	1043
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☑ Yes ☐ NO Method of Shipment D/O Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 2.4 #3 °C

Page 2 of 4 Rev. 5

Torrent LABORATORY, INC.

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FAX: 408.263.8293
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Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2307003

Company Name: AEI Consultants ☐ Env. ☐ Special			Project #: 479677 PO #: 339236
Address: 2500 Camino Diablo			Project Name: Novin Development
City: Walnut Creek	State: CA	Zip Code: 94597	Comments:
Telephone: 925-321-3561	Cell:		SAMPLER: Nick W Quote #:
REPORT TO: Nick Woods	BILL TO: AEI Consultants		EMAIL: nwoods@aeiconsultants.com

TURNAROUND TIME: ☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☑ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE: ☐ Indoor Air ☐ Ambient Air ☐ Soil/Gas Vapor ☐ Other

REPORT FORMAT: ☐ Level II - Std. ☐ Excel - EDD ☐ EDF ☐ Std.-EDD ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15	TO 15 SIM	TO 17	TPH-multi	VOCs	Cam-17 metals	REMARKS
-021A	SB-5-1'	7/3/23	12:28	S	1	6L 1L					☐	☐	☐			X	
-022A	SB-5-2.5'		12:32			6L 1L					☐	☐	☐				hold
-023A	SB-5-5'		12:46			6L 1L					☐	☐	☐				hold
-024A	SB-5-8'		12:47			6L 1L					☐	☐	☐				hold
-025A	SB-5-12'		12:49			6L 1L					☐	☐	☐	X	X		
-026A	SB-6-1'		13:11			6L 1L					☐	☐	☐			X	
-027A	SB-6-2.5'		13:12			6L 1L					☐	☐	☐				hold
-028A	SB-6-5'		13:23			6L 1L					☐	☐	☐				hold
-029A	SB-6-8'		13:26			6L 1L					☐	☐	☐				hold
-030A	SB-6-12'	↓	13:32	↓	↓	6L 1L					☐	☐	☐	X	X		

RUSH
Date Due:
Time Due:

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Nick Woods	7/5/23	1043	[signature]	L-D. Imbat	7-5-23	1043
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☑ Yes ☐ NO Method of Shipment D/O Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 2.4 °C #3

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Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

Reset

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 230700 3

Company Name: AEI Consultants ☐ Env. ☐ Special			Project #: 479677 PO #: 339236
Address: 2500 Camino Diablo			Project Name: Novin Development
City: Walnut Creek	State: CA	Zip Code: 94597	Comments:
Telephone: 925-321-3561	Cell:		SAMPLER: Nick W Quote #:
REPORT TO: Nick Woods	BILL TO: AEI Consultants		EMAIL: nwoods@aeiconsultants.com

TURNAROUND TIME:
☐ 2 - 8 Hours ☑ 2 Work Days ☐ 5 Work Days
☐ Noon - Nxt Day ☑ 3 Work Days ☐ 7 Work Days
☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE:
☐ Indoor Air
☐ Ambient Air
☐ Soil/Gas Vapor
☐ Other

REPORT FORMAT:
☐ Level II - Std.
☐ Excel - EDD
☐ EDF ☐ Std.-EDD
☐ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15	TO 15 SIM	TO 17	TPH - multi	VOCs	REMARKS
-031A	SB-1-W	7/3/23 15:10	GW	4	6L 1L					☐	☐	☐	X	X	
-032A	SB-2-W	" " 14:50	GW	4	6L 1L					☐	☐	☐	X	X	
	~~SB-3-W~~				6L 1L					☐	☐	☐			
-033A	SB-4-W	" " 15:00	GW	4	6L 1L					☐	☐	☐	X	X	
-034A	SB-5-W	" " 15:20	GW	4	6L 1L					☐	☐	☐	X	X	
					6L 1L					☐	☐	☐			
					6L 1L					☐	☐	☐			
					6L 1L					☐	☐	☐			
					6L 1L					☐	☐	☐			
					6L 1L					☐	☐	☐			

RUSH
Date Due:
Time Due:

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Nick Woods	7/5/23	1043	[signature]	L-D-Imbat	7-5-23	1043
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☑ Yes ☐ NO Method of Shipment: DV Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 2.4 #3 °C

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ANALYTICAL REPORT

July 12, 2023

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

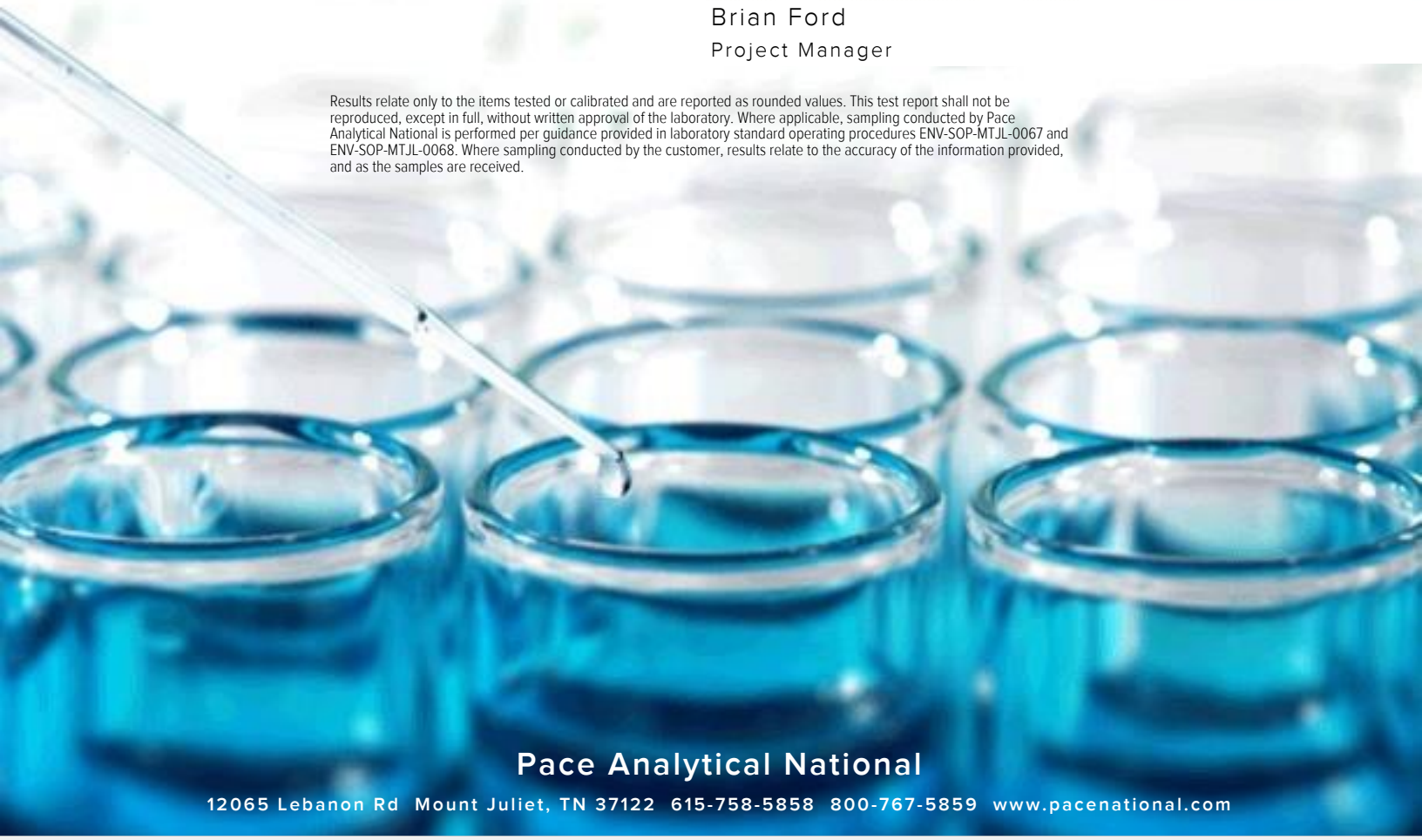
AEI Consultants - CA

Sample Delivery Group:	L1633127
Samples Received:	07/07/2023
Project Number:	479677
Description:	Novin Development

Report To: Jeremy Smith
2500 Camino Diablo
Walnut Creek, CA 94597

Entire Report Reviewed By:

Brian Ford
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SB-1 L1633127-01 Air

Collected by: Nick W | Collected date/time: 07/03/23 12:12 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/09/23 23:22	07/09/23 23:22	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:08	07/09/23 10:08	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091617	1	07/09/23 15:26	07/09/23 15:26	CCM	Mt. Juliet, TN

SB-2 L1633127-02 Air

Collected by: Nick W | Collected date/time: 07/03/23 10:59 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/10/23 00:05	07/10/23 00:05	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:15	07/09/23 10:15	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091617	1	07/09/23 15:32	07/09/23 15:32	CCM	Mt. Juliet, TN

SB-3 L1633127-03 Air

Collected by: Nick W | Collected date/time: 07/03/23 13:17 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/10/23 00:49	07/10/23 00:49	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:19	07/09/23 10:19	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091676	1	07/09/23 16:55	07/09/23 16:55	CCM	Mt. Juliet, TN

SB-4 L1633127-04 Air

Collected by: Nick W | Collected date/time: 07/03/23 11:26 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/10/23 01:32	07/10/23 01:32	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2092928	10	07/11/23 21:16	07/11/23 21:16	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:29	07/09/23 10:29	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091676	1	07/09/23 16:59	07/09/23 16:59	CCM	Mt. Juliet, TN

SB-5 L1633127-05 Air

Collected by: Nick W | Collected date/time: 07/03/23 14:05 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/10/23 02:16	07/10/23 02:16	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:32	07/09/23 10:32	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091676	1	07/09/23 17:04	07/09/23 17:04	CCM	Mt. Juliet, TN

SB-6 L1633127-06 Air

Collected by: Nick W | Collected date/time: 07/03/23 14:28 | Received date/time: 07/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2091620	1	07/10/23 02:59	07/10/23 02:59	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2092928	10	07/11/23 20:42	07/11/23 20:42	SDS	Mt. Juliet, TN
Organic Compounds (GC) by Method ASTM 1946	WG2091535	1	07/09/23 10:35	07/09/23 10:35	CCM	Mt. Juliet, TN
Organic Compounds (GC) by Method D1946	WG2091676	1	07/09/23 17:10	07/09/23 17:10	CCM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	28.4	67.5		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	5.01	16.0		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.33	4.14		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	0.200	0.689	93.5	322		1	WG2091620
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	13.3	25.1		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.299	1.68		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.403	1.99		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	6.21	25.4		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	12.9	45.5		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.51	13.3	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.37	5.61		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	4.38	10.8		1	WG2091620
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2091620
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	6.57	24.7		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.203	0.996		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.05	4.91		1	WG2091620
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	1.36	5.90		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	0.541	2.35		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.1*				WG2091620

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	22.3		1	WG2091617
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091617
Carbon Dioxide	124-38-9	44.01	0.500	0.631		1	WG2091617
Methane	74-82-8	16	0.400	ND		1	WG2091617

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	27.4	65.1		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	0.626	2.00		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.37	7.38		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	0.200	0.689	3.93	13.5		1	WG2091620
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	6.07	11.4		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.285	1.60		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.338	1.67		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	3.85	15.7		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	1.11	3.91		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	2.56	10.5		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	6.03	17.8	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	3.51	14.4		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	2.40	5.90		1	WG2091620
Propene	115-07-1	42.10	1.25	2.15	9.79	16.9		1	WG2091620
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.365	1.79		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.994	4.64		1	WG2091620
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	0.890	3.86		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	0.347	1.50		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.5*				WG2091620

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	22.1		1	WG2091617
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091617
Carbon Dioxide	124-38-9	44.01	0.500	1.03		1	WG2091617
Methane	74-82-8	16	0.400	ND		1	WG2091617

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	23.7	56.3		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	2.17	6.93		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.31	4.08		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	0.275	0.568		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	0.200	0.689	5.37	18.5		1	WG2091620
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	14.1	26.6		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.270	1.34		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	7.41	30.3		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	96.8	341		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	3.15	12.9		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.79	17.1	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	3.26	13.3		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	4.33	10.6		1	WG2091620
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2091620
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.02	6.93		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.786	3.86		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.403	1.98		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.939	4.39		1	WG2091620
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	2.22	9.62		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	0.797	3.46		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.0*				WG2091620

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	20.8		1	WG2091676
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091676
Carbon Dioxide	124-38-9	44.01	0.500	2.47		1	WG2091676
Methane	74-82-8	16	0.400	ND		1	WG2091676

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	59.1	140		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	7.68	24.5		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	10.2	22.6		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.61	11.2		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	0.528	1.09		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	2.00	6.89	145	499		10	WG2092928
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	25.2	47.5		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.269	1.33		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	27.5	112		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	46.5	164		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.74	6.04		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	12.6	51.5		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	23.0	67.8	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	12.2	49.9		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	5.47	13.4		1	WG2091620
Propene	115-07-1	42.10	12.5	21.5	249	429		10	WG2092928
Styrene	100-42-5	104	0.200	0.851	0.575	2.45		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.908	4.46		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	2.00	9.34	171	799		10	WG2092928
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	3.70	16.0		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	1.43	6.20		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.0*				WG2092928

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	17.8		1	WG2091676
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091676
Carbon Dioxide	124-38-9	44.01	0.500	3.01		1	WG2091676
Methane	74-82-8	16	0.400	ND		1	WG2091676

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	24.6	58.5		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	3.55	11.3		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.30	4.05		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	0.266	0.549		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	0.200	0.689	84.8	292		1	WG2091620
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	4.25	8.01		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.210	1.04		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	9.38	38.4		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	18.7	65.9		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	6.98	28.5		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	11.5	33.9	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	5.13	21.0		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	1.40	3.44		1	WG2091620
Propene	115-07-1	42.10	1.25	2.15	37.5	64.6		1	WG2091620
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	1.55	5.84		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.216	1.06		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	23.1	108		1	WG2091620
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	0.915	3.97		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	0.404	1.75		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG2091620

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	20.6		1	WG2091676
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091676
Carbon Dioxide	124-38-9	44.01	0.500	2.75		1	WG2091676
Methane	74-82-8	16	0.400	ND		1	WG2091676

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	69.0	164		1	WG2091620
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2091620
Benzene	71-43-2	78.10	0.200	0.639	5.76	18.4		1	WG2091620
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2091620
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2091620
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2091620
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2091620
1,3-Butadiene	106-99-0	54.10	2.00	4.43	7.05	15.6		1	WG2091620
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.04	6.35		1	WG2091620
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2091620
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2091620
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2091620
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2091620
Chloromethane	74-87-3	50.50	0.200	0.413	1.55	3.20		1	WG2091620
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2091620
Cyclohexane	110-82-7	84.20	0.200	0.689	68.9	237		1	WG2091620
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2091620
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2091620
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2091620
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2091620
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2091620
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2091620
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2091620
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2091620
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2091620
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.437	1.73		1	WG2091620
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2091620
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2091620
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2091620
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG2091620
Ethanol	64-17-5	46.10	2.50	4.71	21.3	40.2		1	WG2091620
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2091620
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2091620
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2091620
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.416	2.06		1	WG2091620
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2091620
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2091620
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2091620
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2091620
n-Hexane	110-54-3	86.20	0.630	2.22	9.95	35.1		1	WG2091620
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2091620
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.32	4.58		1	WG2091620
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	3.37	13.8		1	WG2091620
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	18.2	53.7	J4	1	WG2091620
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	3.72	15.2		1	WG2091620
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2091620
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2091620
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2091620
2-Propanol	67-63-0	60.10	1.25	3.07	6.79	16.7		1	WG2091620
Propene	115-07-1	42.10	12.5	21.5	208	358		10	WG2092928
Styrene	100-42-5	104	0.200	0.851	0.326	1.39		1	WG2091620
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2091620
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2091620
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2091620
Toluene	108-88-3	92.10	0.500	1.88	5.15	19.4		1	WG2091620
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2091620

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2091620
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2091620
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2091620
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.380	1.87		1	WG2091620
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2091620
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.69	7.89		1	WG2091620
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2091620
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2091620
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG2091620
m&p-Xylene	1330-20-7	106	0.400	1.73	1.56	6.76		1	WG2091620
o-Xylene	95-47-6	106	0.200	0.867	0.598	2.59		1	WG2091620
1,1-Difluoroethane	75-37-6	66.05	1.00	2.70	ND	ND		1	WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.8*				WG2091620
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.6*				WG2092928

Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Helium	7440-59-7		0.100	ND		1	WG2091535

Organic Compounds (GC) by Method D1946

Analyte	CAS #	Mol. Wt.	RDL %	Result %	Qualifier	Dilution	Batch
Oxygen	7782-44-7	32	5.00	21.8		1	WG2091676
Carbon Monoxide	630-08-0	28	2.00	ND		1	WG2091676
Carbon Dioxide	124-38-9	44.01	0.500	0.861		1	WG2091676
Methane	74-82-8	16	0.400	ND		1	WG2091676

Method Blank (MB)

(MB) R3946989-3 07/09/23 10:35

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

Method Blank (MB)

(MB) R3946989-3 07/09/23 10:35

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
1,1-Difluoroethane	U		0.129	1.00
(S) 1,4-Bromofluorobenzene	*96.9*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946989-1 07/09/23 09:06 • (LCSD) R3946989-2 07/09/23 09:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.65	4.48	124	119	70.0-130			3.72	25
Allyl chloride	3.75	4.71	4.58	126	122	70.0-130			2.80	25
Benzene	3.75	4.49	4.47	120	119	70.0-130			0.446	25
Benzyl Chloride	3.75	4.10	4.10	109	109	70.0-152			0.000	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946989-1 07/09/23 09:06 • (LCSD) R3946989-2 07/09/23 09:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.37	4.31	117	115	70.0-130			1.38	25
Bromoform	3.75	4.20	4.22	112	113	70.0-130			0.475	25
Bromomethane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
1,3-Butadiene	3.75	4.30	4.16	115	111	70.0-130			3.31	25
Carbon disulfide	3.75	4.52	4.46	121	119	70.0-130			1.34	25
Carbon tetrachloride	3.75	4.36	4.28	116	114	70.0-130			1.85	25
Chlorobenzene	3.75	4.40	4.32	117	115	70.0-130			1.83	25
Chloroethane	3.75	4.02	4.01	107	107	70.0-130			0.249	25
Chloroform	3.75	4.43	4.36	118	116	70.0-130			1.59	25
Chloromethane	3.75	4.59	4.53	122	121	70.0-130			1.32	25
2-Chlorotoluene	3.75	4.40	4.42	117	118	70.0-130			0.454	25
Cyclohexane	3.75	4.63	4.53	123	121	70.0-130			2.18	25
Dibromochloromethane	3.75	4.35	4.19	116	112	70.0-130			3.75	25
1,2-Dibromoethane	3.75	4.48	4.35	119	116	70.0-130			2.94	25
1,2-Dichlorobenzene	3.75	4.16	4.15	111	111	70.0-130			0.241	25
1,3-Dichlorobenzene	3.75	4.21	4.22	112	113	70.0-130			0.237	25
1,4-Dichlorobenzene	3.75	4.28	4.27	114	114	70.0-130			0.234	25
1,2-Dichloroethane	3.75	4.42	4.34	118	116	70.0-130			1.83	25
1,1-Dichloroethane	3.75	4.55	4.51	121	120	70.0-130			0.883	25
1,1-Dichloroethene	3.75	4.53	4.51	121	120	70.0-130			0.442	25
cis-1,2-Dichloroethene	3.75	4.56	4.53	122	121	70.0-130			0.660	25
trans-1,2-Dichloroethene	3.75	4.54	4.54	121	121	70.0-130			0.000	25
1,2-Dichloropropane	3.75	4.57	4.54	122	121	70.0-130			0.659	25
cis-1,3-Dichloropropene	3.75	4.43	4.35	118	116	70.0-130			1.82	25
trans-1,3-Dichloropropene	3.75	4.43	4.35	118	116	70.0-130			1.82	25
1,4-Dioxane	3.75	4.61	4.53	123	121	70.0-140			1.75	25
Ethanol	3.75	4.36	4.27	116	114	55.0-148			2.09	25
Ethylbenzene	3.75	4.44	4.44	118	118	70.0-130			0.000	25
4-Ethyltoluene	3.75	4.38	4.45	117	119	70.0-130			1.59	25
Trichlorofluoromethane	3.75	4.09	4.01	109	107	70.0-130			1.98	25
Dichlorodifluoromethane	3.75	4.31	4.22	115	113	64.0-139			2.11	25
1,1,2-Trichlorotrifluoroethane	3.75	4.42	4.42	118	118	70.0-130			0.000	25
1,2-Dichlorotetrafluoroethane	3.75	4.49	4.45	120	119	70.0-130			0.895	25
Heptane	3.75	4.86	4.79	130	128	70.0-130			1.45	25
Hexachloro-1,3-butadiene	3.75	4.10	4.16	109	111	70.0-151			1.45	25
n-Hexane	3.75	4.74	4.74	126	126	70.0-130			0.000	25
Isopropylbenzene	3.75	4.51	4.55	120	121	70.0-130			0.883	25
Methylene Chloride	3.75	4.54	4.53	121	121	70.0-130			0.221	25
Methyl Butyl Ketone	3.75	4.77	4.74	127	126	70.0-149			0.631	25
2-Butanone (MEK)	3.75	4.97	4.76	133	127	70.0-130	J4		4.32	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946989-1 07/09/23 09:06 • (LCSD) R3946989-2 07/09/23 09:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.71	4.71	126	126	70.0-139			0.000	25
Methyl methacrylate	3.75	4.66	4.58	124	122	70.0-130			1.73	25
MTBE	3.75	4.52	4.40	121	117	70.0-130			2.69	25
Naphthalene	3.75	4.20	4.39	112	117	70.0-159			4.42	25
2-Propanol	3.75	4.66	4.56	124	122	70.0-139			2.17	25
Propene	3.75	4.65	4.59	124	122	64.0-144			1.30	25
Styrene	3.75	4.62	4.65	123	124	70.0-130			0.647	25
1,1,2,2-Tetrachloroethane	3.75	4.26	4.33	114	115	70.0-130			1.63	25
Tetrachloroethylene	3.75	4.37	4.23	117	113	70.0-130			3.26	25
Tetrahydrofuran	3.75	4.72	4.63	126	123	70.0-137			1.93	25
Toluene	3.75	4.57	4.45	122	119	70.0-130			2.66	25
1,2,4-Trichlorobenzene	3.75	4.02	4.17	107	111	70.0-160			3.66	25
1,1,1-Trichloroethane	3.75	4.35	4.32	116	115	70.0-130			0.692	25
1,1,2-Trichloroethane	3.75	4.47	4.32	119	115	70.0-130			3.41	25
Trichloroethylene	3.75	4.49	4.40	120	117	70.0-130			2.02	25
1,2,4-Trimethylbenzene	3.75	4.45	4.44	119	118	70.0-130			0.225	25
1,3,5-Trimethylbenzene	3.75	4.44	4.38	118	117	70.0-130			1.36	25
2,2,4-Trimethylpentane	3.75	4.64	4.62	124	123	70.0-130			0.432	25
Vinyl chloride	3.75	4.01	3.98	107	106	70.0-130			0.751	25
Vinyl Bromide	3.75	4.02	3.95	107	105	70.0-130			1.76	25
Vinyl acetate	3.75	4.29	4.35	114	116	70.0-130			1.39	25
m&p-Xylene	7.50	9.07	9.08	121	121	70.0-130			0.110	25
o-Xylene	3.75	4.43	4.51	118	120	70.0-130			1.79	25
1,1-Difluoroethane	3.75	4.58	4.52	122	121	70.0-130			1.32	25
(S) 1,4-Bromofluorobenzene				*97.5*	*98.4*	*60.0-140*				

Method Blank (MB)

(MB) R3947440-3 07/11/23 15:54

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Cyclohexane	U		0.0753	0.200
Propene	U		0.0932	1.25
2,2,4-Trimethylpentane	U		0.133	0.200
(S) 1,4-Bromofluorobenzene	*98.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3947440-1 07/11/23 14:39 • (LCSD) R3947440-2 07/11/23 15:17

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyclohexane	3.75	3.92	3.89	105	104	70.0-130			0.768	25
Propene	3.75	3.83	3.88	102	103	64.0-144			1.30	25
2,2,4-Trimethylpentane	3.75	4.02	3.92	107	105	70.0-130			2.52	25
(S) 1,4-Bromofluorobenzene				*98.1*	*98.8*	*60.0-140*				

Method Blank (MB)

(MB) R3946365-3 07/09/23 09:47

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Helium	U		0.0259	0.100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946365-1 07/09/23 09:36 • (LCSD) R3946365-2 07/09/23 09:43

Analyte	Spike Amount %	LCS Result %	LCSD Result %	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Helium	2.50	2.67	2.60	107	104	70.0-130			2.66	25

Method Blank (MB)

(MB) R3946390-3 07/09/23 13:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Oxygen	U		0.225	5.00
Carbon Monoxide	U		0.665	2.00
Carbon Dioxide	U		0.121	0.500
Methane	U		0.0584	0.400

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946390-1 07/09/23 12:51 • (LCSD) R3946390-2 07/09/23 12:56

Analyte	Spike Amount %	LCS Result %	LCSD Result %	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oxygen	20.0	20.9	20.8	105	104	70.0-130			0.480	20
Carbon Monoxide	2.50	2.42	2.40	96.8	96.0	70.0-130			0.830	20
Carbon Dioxide	2.50	2.43	2.41	97.2	96.4	70.0-130			0.826	20
Methane	2.00	1.96	1.94	98.0	97.0	70.0-130			1.03	20

Method Blank (MB)

(MB) R3946407-3 07/09/23 16:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Oxygen	U		0.225	5.00
Carbon Monoxide	U		0.665	2.00
Carbon Dioxide	U		0.121	0.500
Methane	U		0.0584	0.400

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3946407-1 07/09/23 16:03 • (LCSD) R3946407-2 07/09/23 16:10

Analyte	Spike Amount %	LCS Result %	LCSD Result %	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oxygen	20.0	21.4	20.8	107	104	70.0-130			2.84	20
Carbon Monoxide	2.50	2.48	2.40	99.2	96.0	70.0-130			3.28	20
Carbon Dioxide	2.50	2.50	2.43	100	97.2	70.0-130			2.84	20
Methane	2.00	2.04	1.96	102	98.0	70.0-130			4.00	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
AEI Consultants - CA

2500 Camino Diablo
Walnut Creek, CA 94597

Billing Information:
Accounts Payable- Jeremy Smith
2500 Camino Diabio
Walnut Creek, CA 94597

Report To:
Jeremy Smith

Email To:
jasmith@aeiconsultants.com

Project Description: Novin Development

City/State Collected: San Pablo

Please Circle: (PT) MT CT ET

Phone: **925-746-6000**

Client Project # **479677**

Lab Project # **AEICONWCCA-479677**

Collected by (print): Nick W.

Site/Facility ID #

P.O. # 339237

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Three Day
___ Next Day ___ Five Day
✓ Two Day

Date Results Needed: 7/10/23

Sample ID	Can #	Flow Cont. #	Collection Date	Collection Time	Canister Pressure/Vacuum Initial	Canister Pressure/Vacuum Final	Helium Summa + fixed gases	VOCs TO-15 Summa			Rem./Contaminant	Sample # (lab only)
SB-1	12614	021735	7/3/23	12:12	-27.0	-5.0	X	X				01
SB-2	24613	22497		10:59	-28.0	-5.0	X	X				02
SB-3	24033	21763		13:17	-27.0	-5.0	X	X				03
SB-4	21990	20843		11:26	-28.5	-5.0	X	X				04
SB-5	22920	20740		14:05	-29.0	-5.0	X	X				05
SB-6	10852	20837	↓	14:28	-23.5	-5.0	X	X				06

Analysis

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
12065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1633127
F102

Acctnum: AEICONWCCA
Template: T232662
Prelogin: P1007591
PM: 110 - Brian Ford
PB:
Shipped Via: FedEX Saver

Remarks:

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Tracking #	Hold #
	7/3/23	10:36		Date: Time:	Condition: (lab use only)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Date: Time:	COC Seal Intact: ___Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/7/23 Time: 0900	NCF:

Samples returned via: __ UPS __ FedEx __ Courier __ _____