MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
REMEDIATION AND REDEVELOPMENT DIVISION

LEAKING UNDERGROUND STORAGE TANK FINAL ASSESSMENT REPORT COVER SHEET

☒ **NEW** or ☐ **REVISED PER EGLE AUDIT**

INSTRUCTIONS: COMPLETION OF THIS REPORT WITH ALL APPLICABLE INFORMATION IS MANDATORY pursuant to Part 213, Section 324.21311a of the Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. **Check one of the boxes above to indicate whether this is a new or revised submittal.** Please provide the completed Final Assessment Report with the associated Table of Contents, Form EQP4007, within 365-days of discovery of a release to the appropriate RRD District Office.

SITE NAME: Former Woodward-Glynn Service Center		FACILITY ID NUMBER: 500005901	
STREET ADDRESS: 10201 Woodward Avenue			
CITY: Detroit	ZIP: 48202	COUNTY: Wayne	
DATE(S) RELEASE(S) DISCOVERED: January 1, 2014	CONFIRMED RELEASE NUMBER(S): C-0174-13		
O/O NAME: 10201 Woodward Limited Dividend Housing Association, LLC	O/O EMAIL ADDRESS: Vanfox@Mhthousing.net		
O/O STREET ADDRESS: 32500 Telegraph Road, Suite 100	CITY: Bingham Farms	STATE: MI	ZIP: 48025
CONTACT PERSON: T. Van Fox	PHONE: 248-833-0550	FAX: 248-833-0551	

Permission is given to EGLE to contact the Qualified Consultant: ☒**YES** ☐**NO**

FINAL ASSESSMENT REPORT INFORMATION: Answer All Questions (DO NOT LEAVE BLANKS)

1. Site Classification (1-5): 3 Previous Site Classification (1-4): Type of RBCA Evaluation: ☐ Tier I ☐ Tier II ☒ Tier III

2. Substance(s) released: ☒ Gasoline ☐ Diesel ☐ Ethanol: E-10 ☐ E-85 ☐ ☒ Other: And Stoddard Solvent

3. Has contamination migrated off-site above Tier 1 Residential RBSLs? ☒YES ☐NO
If YES, have off-site impacted parties been notified per Section 21309a(3) of Part 213? ☐YES ☒NO Same Owner

4. Predominant groundwater flow direction: No clear gradient Shallowest depth to groundwater: 4.5' perched and discontinuous

5. Is mobile NAPL present: Currently? ☐YES ☒NO Previously? ☐YES ☒NO
If present, was it recovered? ☐YES ☐NO If recoverable, total gallons recovered since last reported: to date:

6. Is migrating NAPL present: ☐YES ☒NO If yes, are actions being taken to stop the NAPL migration? ☐YES ☐NO

7. Since Last Report: cubic yards of soil remediated: 0 gallons of groundwater remediated: 0
Totals to date: cubic yards of soil remediated: gallons of groundwater remediated:

8. Have explosive hazards and/or acute vapor hazards been identified? ☐YES ☒NO

9. Drinking water supply affected? Currently: ☐YES ☒NO Previously: ☐YES ☒NO
Indicate type and # of wells affected: ☐ Private # ☐ Public Type II/III # ☐ Municipal #

10. Has the release affected surface water or wetlands? ☐YES ☒NO

11. Estimated distance and direction from point of release to nearest: Private well: Municipal well:
Surface water/wetland: Detroit River is approximately 4 miles south Is site within a wellhead protection zone? ☐YES ☒NO

12. Does the report include a request for: In–Situ injection? ☐YES ☒NO EGLE approval for GSI compliance? ☐YES ☒NO
Groundwater not in an aquifer determination? ☐YES ☒NO Institutional controls? ☐YES ☒NO

13. Does the report include a request for: approved VIAP SLs attached
Review and approval of 2020 VIAP SLs as SSTLs? ☐YES ☒NO**
Review and approval of SSTLs developed by the O/O in accordance with Part 201, Section 20120b? ☐YES ☐NO**
**EGLE review will be conducted within 90 days of EGLE receipt of the FAR, per Section 20120b

14. What type of corrective action is proposed for each contaminated media? (i.e., Air Sparge/Soil Vapor Extraction; Monitored Natural Attenuation; Multi-phase Extraction; Excavation; Institutional Controls; etc.): Excavation with VSR sampling

This Final Assessment Report (FAR), which was completed in accordance with Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA451, as amended, is submitted by:

SIGNATURE OF OWNER/OPERATOR (O/O)		
	T. Van Fox	9/16/22
O/O or AUTHORIZED REPRESENTATIVE SIGNATURE	PRINT NAME	DATE

SIGNATURE OF QUALIFIED UST CONSULTANT (QC)		
	Steven K. Guyot	9/16/22
QC SIGNATURE*	PRINT NAME	DATE
* By signing this form I certify that I meet the qualified underground storage tank consultant requirements identified in section 324.21325 of Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.		
ESGPW, LLC	18640 Mack Ave. No. 1029, Grosse Pointe, MI 48236	
QC COMPANY NAME	QC ADDRESS, CITY, STATE, ZIP	
734-649-9681		skguyot@gmail.com
QC PHONE	QC FAX NUMBER	QC Email ADDRESS

This form should be submitted to EGLE Remediation & Redevelopment Division District Office for the county in which the property is located, unless the response activity is related to a facility that is regulated by another EGLE Division. A district map is located at www.michigan.gov/EGLErrd. If regulated by another division, contact should be made with that division for information on where to submit the form and plan.

For information or assistance on this publication, please contact the (program), through EGLE Environmental Assistance Center at 800-662-9278. This publication is available in alternative formats upon request.

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This form and its contents are subject to the Freedom of Information Act and may be released to the public.

Instructions - Utilize the following Table Of Contents (TOC) to ensure that all information required by Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 213), is provided in the Final Assessment Report (FAR). RBCA is defined in Part 213 as the ASTM standards E 1739-95 (2010), E 2081-00 (2010), and E 2531-06. Information in these standards must be provided, as applicable per site conditions. The Department of Environmental Quality, Remediation and Redevelopment Division may request supporting documentation to the data and conclusions of the FAR, which may include information identified in the ASTM standards referenced above.

Complete the FAR Cover Sheet and pages 1 through 4 of this TOC. The order and format in which the information is provided is at the discretion of the qualified consultant preparing the FAR. Consecutively number each page of the report, including appendices. The TOC column labeled as "Page(s)" should be completed with the range of page numbers for each section. Information previously submitted to the Department may be referenced by specifying where it is located within the referenced document.

FINAL ASSESSMENT REPORT TABLE OF CONTENTS (TOC)	**PAGE(s)**
A. EXECUTIVE SUMMARY (Optional)	**NA**
Reference: ASTM E1739-95 (2010) 6.11.1	
B. SITE ASSESSMENT and RBCA REPORTING	**6-11**
1. Exposure point(s) (i.e., location of human and environmental receptors that could be impacted). 2. Locate potential exposure and transport pathways (i.e., ground water transport, vapor migration through soils and utilities, etc.). 3. Current or potential future use of the site and surrounding land, ground water, surface water, and sensitive habitats (as applicable). 4. Regional geological and hydrogeological characteristics (i.e., depth to ground water, aquifer thickness, flow direction, gradient, description of confining units, and ground water quality). 5. An evaluation of impacts to environmental receptors. 6. Records of past releases, potential sources areas, and historical site activities. 7. Identify Chemical(s) of Concern (CoC), location of sources of the CoC, and maximum concentrations of CoC in soil and ground water. 8. Provide a site description and a description of site-specific hydrogeologic conditions. 9. Provide the following maps (not aerial photographs): a. Site location and extended map showing local land use and water supply wells. b. Site plan view showing location of structures (i.e., ASTs, USTs, buried utilities, conduits, suspected and or confirmed sources of contamination, etc.). c. Site photos, if available. d. Ground water elevation. e. Geologic and hydrogeological cross sections. f. Dissolved plume map(s) of the CoC. Reference: Part 213, Section 21311a(a) and ASTM E1739-95 (2010), Section 6.2, and Section 6.11.12 thru 6.11.19	Table 1 Fig. 1-5 App B App C
C. TIER 1 EVALUATION	**NA**

1. Compare Site Conditions and data with Risk-Based Screening Levels (RBSL).
   a. Discuss all potential exposure scenario(s); primary and secondary sources; transportation mechanisms; relevant exposure pathways; receptors based upon current and anticipated future site use; considering the land use, use restrictions (if any), and the surrounding area and use.
   b. For all relevant exposure pathways determine if the RBSLs are appropriate for comparison.
   c. If relying on Risk-Based Screening Levels for the volatilization to indoor air pathway, indicate location of completed *"Checklist for Determining if Generic Volatilization to Indoor Air Inhalation Criteria Apply"*
   d. Discuss exposure scenarios where the CoC is above the RBSL .
   e. *ASTM Exposure Evaluation Flowchart, Figure 2*, may be used to characterize site sources and exposure pathways, identify receptors, and compare site conditions with RBSLs . Identifying all possible corrective action measures and select corrective actions to reduce the concentrations of, and or eliminate exposure to the CoC.

Reference: ASTM E1739-95 (2010), Section 6.5 thru 6.7

FINAL ASSESSMENT REPORT TOC Page 2 of 4	PAGE(s)
D. TIER II EVALUATION	**NA**
1. Provide all information and an explanation of the calculation of the Site-Specific Target Levels (SSTLs) generated for the site. a. IMPORTANT--If proposing use of the 2020 VIAP Screening Levels as SSTLs, indicate location of completed checklist provided in the 2013 Guidance Document for the Vapor Intrusion Pathway. 2. If relying upon alternative points of compliance, provide the reasoning and information supporting their selection. 3. Gather additional site assessment information to develop or identify corrective action goals, if warranted. 4. Complete a Tier II evaluation on potentially relevant exposure pathways. 5. Obtain site-specific hydrogeologic and geologic characteristics to aid in generation of the SSTLs. 6. Define the extent of CoC relative to the residential RBSL and/or SSTL, as appropriate. 7. Evaluate the changes in concentrations of CoC over time to determine if they are stable, increasing, and/or decreasing. 8. Determine the CoC measured at the point(s) of exposure. 9. Complete mathematical models to generate SSTLs based on the measured and predicted attenuation of the CoC away from the source area(s). 10. Compare the concentrations of the CoC at the point(s) of compliance to the RBSLs or SSTLs to determine if corrective action, interim remedial action or further tier evaluation should be implemented. Reference: Part 213, Section 21311a(b) and ASTM E1739-95 (2010), Section. 5.6, Section 6.2, Section 6.7 thru 6.7.3, and Section 6.8 thru 6.83	
E. TIER III EVALUATION	**3-8**
1. Provide all information and an explanation of the calculation of the Site-specific Target Levels (SSTLs) generated for the site. a. IMPORTANT--If the evaluation relies on the use of the 2020 VIAP Screening Levels as SSTLs for the VIAP, indicate location of completed checklist provided in the Volatilization to Indoor Air Pathway Screening Levels Assessment form (hyperlink). 2. Site-specific and surrounding area geological and hydrogeologic characteristics. 3. The extent of CoC relative to the residential RBSL and/or SSTL. 4. Changes in concentrations of CoC over time (stable, increasing, and decreasing). 5. CoC measured at point(s) of exposure. 6. Models: SSTLs developed using more sophisticated statistical and contaminant fate and transport analyses, using site-specific input parameters for direct and indirect exposure scenarios. 7. Identify the exposure scenarios where the measured concentrations of the CoC are above the SSTL at the point(s) of compliance. 8. Compare the target levels (residential RBSLs and/or SSTLs) to the concentrations of the CoC at the point(s) of compliance. Reference: Part 213, Section 21311a(b), and ASTM E1739-95 (2010), Section 6.7 thru 6.7.3, and Section 6.9 thru 6.9.2	**Table 2-3** **Fig 6** **App A** **App D**
F. CONCEPTUAL SITE MODEL(s) (CSM	**3-5**

1. **CSMs** - Provide a written and/or pictorial understanding of the site; conduct exposure pathway evaluations; detail the exposure pathways evaluated; determine if the exposure pathways are relevant or not relevant ; and identify possible corrective actions. **FOR MOST SITES A Light Nonaqueous Phase Liquid (LNAPL) CSM (LCSM) WILL BE REQUIRED IN PLACE OF A CSM SINCE A PETROLEUM RELEASE IS A LNAPL RELEASE.**	**Fig 7**

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F. <u>CONCEPTUAL SITE MODEL(s) (CSM)</u> – 2.a. LNAPL DISCOVERY continued	**2-8**

1. **LCSMs** - Describe the occurrence, composition, and physical properties of the LNAPL; as well as the geologic setting(s) where the LNAPL body is located and is used to determine the risks and potential corrective action; as well as the changes to the LNAPL body and/or footprint.

Table 2-3
Fig 3-7

   a. **LNAPL DISCOVERY**:
      i. Describe how and where the LNAPL was discovered/observed, in which well(s)/boring(s) and provide a site map of the LNAPL.
      ii. Describe the soil type and product type. If product type is unknown, describe the characteristics and what might be the product type.
      Describe the known/suspected source of LNAPL and identify on a map
      iii. Provide the LNAPL thickness and/or volume and the measured or estimated LNAPL saturation profile, including measurement methods and procedures.
      iv. List obvious nearby receptors, including basements, utilities, water wells, etc.
      v. Describe mobile and/or migrating (defined in Part 213) delineation activities completed to date and provide a site map showing known extent of LNAPL.
      vi. Delineate and depict, plan view and cross section, of the LNAPL body including the site boundaries, as well as the residual, mobile, and migrating LNAPL, as applicable.
   b. **LNAPL EVALUATION AND RECOVERY**:
      i. Describe all LNAPL recovery events (i.e., where and what was done, and duration).
      ii. Describe in detail the LNAPL recovery methods and procedures utilized, including if groundwater was also recovered and how the recovered LNAPL was differentiated from the recovered groundwater.
      iii. Complete a table (i.e., Example Table 1 in Appendix A) and discuss event-based and cumulative LNAPL, and groundwater volumes recovered.
      iv. Provide observations of LNAPL recharge rate(s) for each impacted well.
      v. If an LNAPL recovery test was performed, complete a table (i.e., Example Tables 2a and 2b in Appendix A) and include applicable figures. Describe the methods, procedures, calculations, results, and conclusions.
      vi. Describe how recovered LNAPL and groundwater were handled, including the disposal method and location.
      vii. Describe any and all risks posed by the LNAPL (i.e., expanding plumes, explosion hazards, vapor hazards, contact hazards, etc.).
      viii. Provide recommendations for future recovery of LNAPL and discuss the rationale for those activities.
   c. **FIGURES (not aerial photographs)**:
      i. Attach the following figures in order of discussion in the text. All figures must include a north arrow, scale, and legend. Approximate scales are not acceptable.
         1. Site Location Map.
         2. One or more Site Maps showing (as applicable).
            A. Structures.
            B. Boring and well locations (including drinking water wells on site).
            C. Suspected source(s) of LNAPL.
            D. Locations and depths of on-site buried utilities.
            E. All past and present petroleum storage tanks, piping, dispensers, and transfer areas.
            F. Extent of soil excavation.
            G. Horizontal and vertical extent of LNAPL and state/occurrence of LNAPL
      ii. Distinguish sequential elements of investigations by dates, symbols, etc. in the legend.
      iii. LNAPL recovery test graphs showing LNAPL thickness and volume versus time during the recharge phase (i.e., Example Table 2b data).
      iv. Trend analysis of mobile and/or migrating (as defined in Part 213) LNAPL vs Water Table elevation and select downgradient MWs dissolved contaminants vs. Water Table elevation to determine if the LNAPL is acting as a continuing source of groundwater contamination. Graphical representation is preferred.

Reference: CSMs: ASTM E2081-00(2010), Section 3.2.52; and LCSMs: ASTM 2531-06, Section 3.1.19; and Sections 6 and 7; and Part 213, Section 21307(2), Section 21307(3)(b), Section 21308a.(1)(E)*xv* through xviii(A – H), Section 21308a(2), Section 21309a(2)(a) and Section 21311a(1)(c)(*ii*).
See Example Tables in Appendix A

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G. SITE CLASSIFICATION 1. Classify site according to Michigan's site classification system which is based upon the Risk-based Corrective Action (RBCA) process. References: Part 213, Section 21314a; and ASTM E1739-95 (Reapproved 2010), Section 5.4 and Section 6.3	**6**
H. FEASIBILITY ANALYSIS 1. On-site and off-site corrective action alternatives to remediate contaminated soil and groundwater for each cleanup type above the applicable RBSL or applicable SSTL, including alternatives that permanently and significantly reduce the volume, toxicity, and mobility of the regulated substances, if above the applicable RBSL or applicable SSTL. The identified corrective action alternatives should only be those that are feasible based on the specific site conditions. 2. An analysis of the recoverability and whether the NAPL is mobile or migrating. 3. The costs associated with each corrective action alternative, including alternatives that permanently and significantly reduce the volume, toxicity, and mobility of the regulated substances that are above the applicable RBSL or applicable SSTL. 4. The effectiveness and feasibility of each corrective action alternative, in meeting cleanup criteria for contaminants that are above the applicable RBSL or applicable SSTL. 5. The time necessary to implement and complete each corrective action alternative. 6. The preferred corrective action alternative based upon all of the above. 7. An implementation schedule for completion of the corrective action. Reference: Part 213, Section 21311a(c)	**12-13**
I. CORRECTIVE ACTION PLAN (CAP) 1. Description of the corrective action to be implemented. 2. Analysis of indicator parameters to be used in evaluating the implementation. 3. Analysis of the recoverability of NAPL and whether NAPL is mobile or migrating. 4. Description of ambient air quality monitoring activities. 5. Operation and maintenance plan. 6. A monitoring plan including: a. Location of monitoring points. b. Environmental media to monitor, including, but not limited to, soil, air, water, soil gas, biota. c. Monitoring schedule. d. Monitoring methodology, including sample collection and other procedures. e. Substances to be monitored, with explanation of how they will be used. f. Lab methodology, lab name, method detection limits, practical quantitation levels. g. Quality control/quality assurance plan. h. Data presentation and evaluation plan. i. How monitoring data will be used to demonstrate effectiveness of corrective actions. j. Other elements required by the Department to determine the adequacy of the monitoring plan. 7. A schedule for implementation of the corrective action. 8. Financial assurance mechanism. Reference: Part 213, Section 21309a	**11-17** **Fig 8**
J. NOTICE OF CORRECTIVE ACTIONS, INSTITUTIONAL CONTROLS, RESTRICTIVE COVENANTS, ALTERNATIVE MECHANISMS, NOTICE OF LAND & USE RESTRICTIONS	

1. An explanation of land and use restrictions, or resource use restrictions, and how they will prevent or control unacceptable exposures.
2. Provide notice to the public directly impacted by the release above a residential RBSL and/or SSTL and the proposed corrective action.
   a. The notice shall include the name, address, and telephone number of a contact person.
   b. A copy of the notice and proof of providing the notice shall be submitted to the Department.

Reference: Part 213, Section 21310a

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Remediation and Redevelopment Division

LEAKING UNDERGROUND STORAGE TANK SITE CLASSIFICATION FORM

Check the applicable scenarios for each pathway based on adequate characterization and monitoring events.
Review the scenarios from left to right. The site classification is determined by the column farthest to the left for which ANY scenario was check marked.

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
RIDE Risk Category	**Existing or immediate exposure or threat** to human health, safety, welfare, environment, or sensitive environmental receptor.	☐	Based on the site risk-based corrective action conceptual site model (RBCA CSM) and migration of contaminants, **there is a potential for an exposure or threat** to human health, environment, or sensitive environmental receptors in the short term. For the purpose of classification, potential exposures or threats considered to be short term generally are **from the present to 2 years.**	☐	Based on the site RBCA CSM and migration of contaminants, **there is a potential for exposure or threat** to human health, safety, or welfare, or to the environment, or sensitive environmental receptors in the long term. For the purpose of classification, potential exposures or threats considered to be long term generally are **greater than 2 years.**	☐	There is **no short or long-term effect** to human health, safety or welfare or sensitive environmental receptors based on current conditions. An unacceptable exposure to contamination is not anticipated **based on implemented initial response actions and current uses.** This includes any implemented initial response actions employed to control current risks (e.g., vapor mitigation system), and corrective actions are underway that will achieve closure.	✓	There is **no short or long-term effect** to human health, safety or welfare or sensitive environmental receptors. An unacceptable risk from contamination is not anticipated **based on current and reasonably foreseeable land use**. All appropriate Part 213 corrective actions to close a LUST release are completed. This includes all appropriate restrictions and an approved Part 213 Closure Report.	☐

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
Evaluate Pathway in Relation to NAPL (see NAPL Guidance)	Presence of **migrating** non-aqueous phase liquid (**NAPL**). Presence of acute risks due to direct contact or inhalation exposures to **mobile or residual NAPL**. This includes contaminants with acute (short-term) exposures in contact with the structure (including foundation and footers).	☐	Presence of acute risks due to inhalation exposures from **mobile or residual NAPL** where contamination is not in contact with a structure	☐	Presence of long term (chronic risks) due to direct contact or inhalation from **mobile or residual NAPL.**	☑	Mobile and residual NAPL are not present. **Mobile and residual NAPL** is present and delineated, and risks are abated or managed.	☐	Mobile and residual NAPL are not present. NAPL is present and delineated, risks are abated or managed and reliable restrictions are in place for **potential future uses.**	☐
Fire and/or Explosion	Explosive **vapor** levels are **present in a residence or other structure.** Explosive **vapor** levels are **present in subsurface utility system(s)**. *NOTE: Explosive levels are present when **vapor** concentrations are at or greater than 10 percent of the Lower Explosive Limit (LEL) for any regulated substance or a mixture of regulated substances.*	☐	There is the potential for explosive vapor levels to accumulate in a residence, other structure, or utility systems. A potential for explosive conditions exists when **soil gas** concentrations are at or greater than 10 percent of the LEL and/or **groundwater** concentrations are greater than Flammability and Explosivity Screening Levels (FESLs).	☐	**Soil gas** concentrations are less than 10 percent of the LEL and/or **groundwater** concentrations are lower than FESLs and unlikely to become potentially flammable or explosive.	☐	No flammable or explosive vapor concentrations are present.	☐	No flammable or explosive vapor concentrations are present.	☐

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
Drinking Water Ingestion	A public or private potable water supply well, or public surface water intake or public water supply line exceeds drinking water risk-based screening levels (RBSLs) or is immediately threatened. A potable water supply is "immediately threatened" if contaminants are documented in the drinking water but below drinking water RBSL's (or) no contaminants have yet been documented in the drinking water but contamination of the potable water supply is expected at any time due to the proximity of the well or surface water intake to groundwater or surface water contaminated above drinking water RBSLs.	☐	A **non-potable water supply well** exceeds drinking water RBSLs or is immediately threatened, e.g., irrigation wells, non-contact cooling water, stab wells for filling pools or other outside uses, etc.	☐	A **non-potable well supply** does not exceed drinking water RBSLs or is not immediately threatened.	☐	Groundwater contamination is groundwater not in an aquifer. There is no **groundwater** contamination that exceeds drinking water RBSLs. There are no **current groundwater uses** for drinking water **or other uses that may have a long-term** effect on human health, safety, or welfare.	✓	Groundwater contamination is not in an aquifer. There is no **groundwater** contamination that exceeds drinking water RBSLs. There are no **current groundwater uses** for drinking water **or other uses that may have a long-term** effect on human health, safety, or welfare, and **potential future uses** are reliably restricted.	☐
			Groundwater contamination exceeds drinking water RBSLs and a public or private potable water supply well that is producing from the contaminated aquifer, is located within two years groundwater travel time from the known extent of contaminants of concern.	☐	**Soil** is contaminated above the leaching to groundwater RBSLs, or **groundwater** is contaminated above drinking water RBSLs, and potable wells producing from the contaminated aquifer are located more than two years groundwater travel time from the known extent of the contaminants of concern.	☐				
			Groundwater contamination exceeds drinking water RBSLs and public or private potable water supply wells, producing from a different interval of the aquifer, are located within two years groundwater travel time from the known extent of contaminants of concern.	☐	**Groundwater** contamination exceeds drinking water RBSLs and non-potable water supply wells, producing from a different interval of the aquifer, are located within the known extent of the contaminants of concern.	☐				

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
Direct Contact *(If RBSLs are not applicable, develop SSTLs.)*	*Evaluate applicability of RBSLs in relation to NAPL in the entire soil column. If RBSLs are not applicable, develop site-specific target levels (SSTLs).* Contaminant concentrations in surficial **soils** (0-12 inches) exceed direct contact RBSLs (if applicable) or SSTLs..	☐	*Evaluate applicability of RBSLs in relation to NAPL in the entire soil column.* **Soil** contamination that could typically be encountered by the public or by landscaping activities (generally at ≤ 3 feet below ground surface) exceeds the direct contact RBSLs (if applicable) or SSTLs.	☐	*Evaluate applicability of RBSLs in relation to NAPL in the entire soil column.* **Soil** contamination at > 3 feet below ground surface exceeds the direct contact RBSLs (if applicable) or SSTLs.	✓	*Evaluate applicability of RBSLs in relation to NAPL in the entire soil column.* **Soil** contamination does not exceed direct contact RBSLs (if applicable) or SSTLs; **Soil** contamination is adequately covered and managed for **current uses**.	☐	*Evaluate applicability of RBSLs in relation to NAPL in the entire soil column.* **Soil** contamination does not exceed direct contact RBSLs (if applicable) or SSTLs; **Soil** contamination is adequately covered and restrictions to maintain the cover are in place.	☐
Inhalation **(see *EGLE Guidance Document for the Vapor Intrusion Pathway*)** *(If RBSLs are not applicable, develop SSTLs.)*	*RBSLs are not applicable for comparison to analytical results for acute (short-term) risk compounds. Acute (short-term) risk compounds are listed in Addendum 1 of **EGLE Guidance Document for the Vapor Intrusion Pathway*** Concentrations of **soil gas** that could cause existing or immediate exposures are at levels above Time-Sensitive Media Specific Recommended Interim Action Screening Levels (TS MSSLs). TS MSSLs can be viewed at EGLE Guidance Document for The Vapor Intrusion Pathway, Appendix D.3.	☐	*Evaluate applicability of RBSLs (reference "Appendix C.1 Checklist for Determining if Generic VIAIC Apply" **EGLE Guidance Document for the Vapor Intrusion Pathway**).* *RBSLs are not applicable for comparison to analytical results for acute (short-term) risk compounds. Acute (short-term) risk compounds are listed in the EGLE Guidance Document for The Vapor Intrusion Pathway, Addendum 1.* *If RBSLs are not applicable, a site-specific evaluation is necessary, including developing SSTLs.*	☐	*Evaluate applicability of RBSLs (reference "Appendix C.1 Checklist for Determining if Generic VIAIC Apply" **EGLE Guidance Document for the Vapor Intrusion Pathway**).* *If RBSLs are not applicable, a site-specific evaluation is necessary, including developing SSTLs.* Concentrations of contaminants in **soil or groundwater** above RBSLs or SSTLs that may pose a chronic health risk are present.	☐	No long-term threat to human health, safety and welfare is present based on any of the following: Volatile contaminants are not present. **Soil, groundwater, and soil gas** concentrations do not exceed acute or chronic RBSLs or SSTLs Representative **soil gas** concentrations demonstrate compliance. The vapor source is defined, there are no structures within the lateral inclusion zone. A vapor mitigation system has been installed and proven to be operating effectively.	✓	No long-term threat to human health, safety and welfare is present based on any of the following: Volatile contaminants are not present. **Soil, groundwater, and soil gas** concentrations do not exceed acute or chronic RBSLs or SSTLs. Representative **soil gas** concentrations demonstrate compliance. The vapor source is defined, there are no structures within the lateral inclusion zone, and restrictions for future structures are in place.	☐

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
Inhalation (cont.)	Concentrations in **soil gas** immediately adjacent to or directly beneath an occupied structure exceed the acute SSTLs. Concentrations in **soil, NAPL or groundwater** in contact with a structure (including foundation and footers) exceed acute SSTLs.		Concentrations in **soil or groundwater** not in contact with a structure (including foundation and footers) exceed acute SSTLs, or concentrations in **soil gas** within the lateral inclusion zone exceed acute SSTLs. Concentrations of **soil gas** that may pose a chronic health risk are present immediately adjacent to or directly beneath an occupied structure.		**Soil gas** concentrations not i mmediately adjacent to or directly beneath an occupied structure within the lateral inclusion zone exceed chronic SSTLs.					
	NAPL or **groundwater** contamination above acute SSTLs is present in a sump at concentrations above acute SSTLs.	☐	**Groundwater** contamination is present in a sump or is in contact with a structure (including foundation and footers) at concentrations above chronic SSTLs.	☐	**NAPL** or **groundwater** contamination is not in a sump or in contact with a structure (including foundation and footers).	☐	**NAPL** or **groundwater** contamination is not present in a sump or not in contact with a structure (including foundation and footers).	✓	**NAPL** or **groundwater** contamination is not present in a sump or not in contact with a structure (including foundation and footers).	☐
	Concentrations of **vapors** that cause existing or immediate exposures are at levels above MIOSHA PELs and/or STELs within the utilities or in subsurface utility corridor or construction trenches.	☐	Concentrations of **vapors** are present within the utilities or in subsurface utility corridor or construction trenches above SSTLs.	☐	Concentrations of **vapors** detected within the utilities or in subsurface utility corridor or construction trenches below SSTLs, but additional sampling required to verify concentrations.	☐	No **vapors** present within the utilities or in subsurface utility corridor or construction trenches.	☐	No **vapors** present within the utilities or in subsurface utility corridor or construction trenches.	☐

	General Scenario: Class 1		General Scenario: Class 2		General Scenario: Class 3		General Scenario: Class 4		General Scenario: Class 5	
Soil Inhalation (Ambient Air)	Concentrations of acute toxicants are present **in ambient air** that exceed time sensitive acceptable air concentrations and can potentially result in an unacceptable exposure to human receptors via the particulate soil inhalation and volatile soil inhalation pathways.	☐	**Soil** contamination present in soil ≤3 feet below the ground surface exceeds the chronic particulate soil inhalation criteria (PSIC RBSL).	☐	**Soil** contamination at > 3 feet below ground surface exceeds chronic PSIC RBSLs or exceeds chronic volatile soil inhalation criteria (VSIC) RBSL at any depth.	☐	**Soil** contamination does not exceed acute or chronic VSIC or PSIC RBSLs. Soil contamination that exceeds acute or chronic VSIC or PSIC RBSLs is adequately covered.	☑	**Soil** contamination does not exceed acute or chronic VSIC or PSIC RBSLs, or contamination is adequately covered and restrictions to maintain the cover are in place	☐
Ground-water Surface Water Interface (GSI)	Contaminated **groundwater** is discharging to a surface water body above the Water Quality Standards - Final Acute Values (FAV) or resulting in visible NAPL film or sheen present on surface water.	☐	The **groundwater** contaminant plume exceeds GSI RBSLs, and the leading edge of the contaminated groundwater plume is located within two years groundwater travel time of a surface water body, or the plume is entering a storm sewer and the contamination will reach the outfall of the storm sewer within two years travel time.	☐	The **groundwater** contaminant plume exceeds GSI RBSLs, and the leading edge of the contaminated groundwater plume is located more than two years groundwater travel time from a surface water body, or the plume is entering a storm sewer and the contamination will reach the outfall of the storm sewer in more than two years.	☐	**Groundwater** contamination is reasonably not expected to vent to surface waters. **Groundwater** contamination does not exceed GSI RBSLs. **Groundwater** contamination does not exceed mixing zone-based GSI screening levels established by EGLE.	☑	**Groundwater** contamination is reasonably not expected to vent to surface waters. **Groundwater** contamination does not exceed GSI RBSLs. **Groundwater** contamination does not exceed mixing zone-based GSI screening levels established by EGLE.	☐
Sensitive Environ-mental Receptors	A sensitive habitat or sensitive resource (e.g., sport fish, economically important species, threatened or endangered species, wetland, etc.) may be exposed to contaminated **media** or measurable or observable harm may occur.	☐	The leading edge of the **groundwater** contaminant plume is located within two years groundwater travel time distance of a sensitive habitat or resources (e.g., sport fish, economically important species, threatened or endangered species, wetlands, etc.).	☐	The leading edge of the **groundwater** contamination is located more than two years groundwater travel time from a sensitive habitat or resources (e.g., sport fish, economically important species, threatened or endangered species, wetlands, etc.).	☐	No sensitive habitat or resources exist on or near the site.	☑	No sensitive habitat or resources exist on or near the site.	☐

NOTE: If RBSLs are not applicable for comparison to analytical results, then SSTLs must be developed.

Comments:

Acronyms:

ASTM – ASTM International
CSM - Conceptual Site Model
EGLE – Department of Environment, Great Lakes, and Energy
FAVs – Part 31 Water Quality Standards Aquatic Life Values Final Acute Values
FESLs - Flammability and Explosivity Screening Levels
GSI – Groundwater-Surface Water Interface
NAPL - Non-Aqueous Phase Liquids
MIOSHA – Michigan Occupational Safety and Health Administration
MIOSHA PELs – Permissible Exposure Limits
MIOSHA STELs – Short Term Exposure Limit
NAPL - Non-aqueous Phase Liquid – 21303(a)
Part 213 - Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended
PSIC – Particulate Soil Inhalation Criteria
RBCA - ASTM Risk-Based Corrective Action (documents are referenced in Section 21303(g) of Part 213)
RBSL – Risk-Based Screening Level – 21303(k)
SSTL – Site-Specific Target Levels
TS MSSLs - Time-Sensitive Media Specific Recommended Interim Action Screening Levels
VIAIC - Volatilization to Indoor Air Inhalation Criteria
VSIC – Volatile Soil Inhalation Criteria

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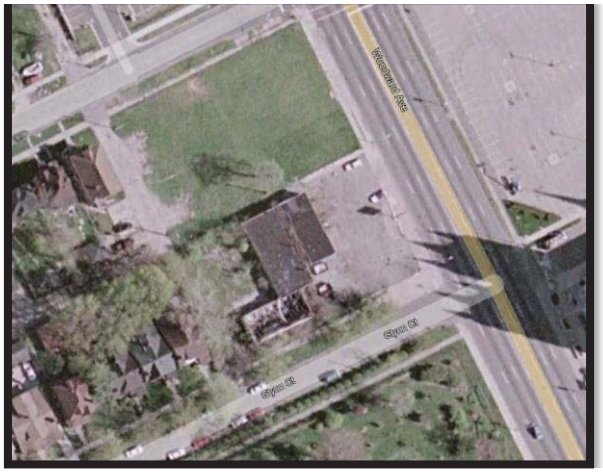
FINAL DRAFT

FINAL ASSESSMENT REPORT

10201 Woodward Avenue
City of Detroit
Wayne County, Michigan 48202

Facility ID: 500005901
Confirmed Release: C-0174-13



FINAL ASSESSMENT REPORT

10201 Woodward Avenue
City of Detroit
Wayne County, Michigan, 48202

Facility ID: 500005901
Confirmed Release: C-0174-13

September 16, 2022

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1.0 INTRODUCTION

10201 Woodward Limited Dividend Housing Association LLC (WLDHA) has completed a Final Assessment Report (FAR) pursuant to Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 451 of 1994, as amended (NREPA) to address the open confirmed release (C-0174-13) at the vacant parcel located at 10201 Woodward Avenue, City of Detroit, Wayne County, Michigan (hereinafter, the Site). As defined, the release at 10201 Woodward Avenue extends onto the adjacent properties, which are also leaking underground storage tanks (LUST) sites with open confirmed releases: 10227 Woodward Avenue and 30 Glynn Court, Detroit, Wayne County. Historical records indicate that the releases from former underground storage tanks located at these three LUST sites have encroached onto one another. The contaminants of concern (COCs) are the same or similar across all three LUST Sites and the release on each appear to be commingled; the extent of one release cannot be differentiated from the source of the others. For these reasons, the data from the three LUST Sites are presented together in this FAR.

2.0 SITE DESCRIPTION

2.1 SITE AND VICINITY GENERAL CHARACTERISTICS

The Site is located on the west side of Woodward Avenue, approximately 4 miles north of the downtown area of Detroit, Michigan, as depicted on the Site Location Map (Figure 1). Figure 2 is a plan of the Site illustrating the locations of former buildings, utilities, roads, the former UST cavity, and other pertinent features. The closest surface water feature to the Site is the Detroit River located approximately 4 miles to the south. The Site is adjoined to the north, east, south, and west by vacant parcels.

2.2 CURRENT AND POTENTIAL FUTURE USE OF THE SITE

The Site is currently vacant land. Future plans for the parcel include combining the 10201 Woodward Avenue property with the 10227 Woodward Avenue and 30 Glynn Court properties along with 39 Calvert and 10235 Woodward Avenue properties into a single property and constructing a mixed use residential and commercial building.

3.0 SUMMARY OF CORRECTIVE ACTION ACTIVITES PERFORMED

3.1 INITIAL RESPONSE ACTIONS

An Initial Assessment Report was not submitted to the EGLE, therefore, details concerning the Initial Response Actions completed at the Site are included in this FAR.

A confirmed release was reported by Ms. Beth Vens, for the Michigan Department of Environmental Quality (predecessor to EGLE) on January 1, 2014. The release was based on laboratory analytical data for soil samples collected from the Site in November 2007. The cause of the release is listed as unknown on the confirmed release report.

The following table lists the USTs formerly located at the Site as listed on the confirmed release.

Former Underground Storage Tanks			
Tank ID	**Tank Type & Status**	**Capacity (U.S. Gallons)**	**Substance Stored**
1	Unknown - Removed from Ground	6,000	Unknown
2	Unknown - Removed from Ground	8,000	Unknown
3	Unknown - Removed from Ground	8,000	Unknown
4	Unknown - Removed from Ground	1,000	Unknown

3.2 SITE CHARACTERIZATION ACTIVITIES

The initial site characterization activities are detailed in the 2007 Baseline Environmental Assessment (BEA) submitted to EGLE by ASTI Environmental on December 20, 2007. The site history as indicated in the ASTI Reports:

The northwestern portion of the Site was developed with a dry cleaner from at least 1915 until the 1960s. A gasoline service station was constructed in the northwestern portion of the Site during the 1960s and was

shuttered by 1982. The location of the USTs, vent pipes, or dispensers are not shown on the fire insurance map. An aerial photograph depicts, what appears to be, a fuel dispenser east of the former station on the Site (location of SB-40). The eastern portion of the Site was developed with various commercial and/or residential buildings from at least 1915 until the 1960s.

Site Characterization Activities:

EGLE completed Triage services at the Site on April 28, 2014. As detailed in the May 9, 2014, Soil and Materials Engineers Inc (SME) report, ten soil borings were competed at the Site along with a ground penetrating radar (GPR) and electromagnetic (EM) survey. Four of the soil borings were installed in the northwestern portion of the Site and six were installed on the southwestern portion of the Site, in the location of the former UST system. The GPR and EM survey indicated no anomalies indicative of USTs on the Site. Laboratory analytical data from the Triage services indicated that secondary impact remained in the sandy soil at the Site in the area of the former USTs and in the northeast corner.

The recently completed site characterization activities have focused on the installation of soil borings and groundwater monitoring wells to define the horizontal and vertical extent of light non-aqueous phase liquid (LNAPL) and soil and groundwater contamination at the Site. Soil boring and well construction logs are included in Appendix B. Figure 3 is a site plan illustrating the locations of soil borings, wells, and other sample locations. Figure 4 presents the detected contaminants and concentrations and Figures 5A through Figure 5E are cross sections through the extent of contamination; the contamination from releases at the LUST Sites identified as 10227 Woodward Avenue and 30 Glynn Court, cannot be defined separately from the extent of contamination associated with the confirmed release at 10201 Woodward Avenue.

4.0 CONCEPTUAL SITE MODEL AND RBCA EVALUATION

The data collected during the corrective actions and site characterization activities was used to develop a LNAPL Conceptual Site Model per ASTM E 2531-06 E1 and Part 213 of the Natural Resources and Environmental Protection Act (NREPA) standard guidelines for Non-Aqueous Phase Liquid Characterization, Remediation, and Management for Petroleum Releases.

4.1 LNAPL Conceptual Site Model

4.1.1 LNAPL Conceptual Site Model Discussion

Measured gasoline range organic (GRO) concentrations exceeding the screening level of 250 parts per million (ppm), as cited in the EGLE LNAPL Guidance Document, is a positive indicator of the existence of residual LNAPL within the soil matrix. Measured diesel range organics (DRO) concentrations exceeding the screening level of 20 parts per million (ppm), as cited in the EGLE LNAPL Guidance Document, is a positive indicator of the existence of residual LNAPL within the soil matrix. Analysis of soil samples for GRO at 30 Glynn Court, 10201 and 10227 Woodward Avenue indicate that residual LNAPL is present within the soils at the Site. Analysis of soil samples for DRO at 30 Glynn Street, 10201 and 10227 Woodward Avenue indicate that residual LNAPL is present within the soils at the Site.

As presented on Table 3, soil samples collected from the Site were analyzed for DRO and GRO. The LNAPL Conceptual Site Model (LNAPL-CSM) is depicted on Figure 7.

Groundwater monitoring wells MW-1, MW-2, and MW-7 were installed on the 10201 Woodward Avenue property, which were installed with a group of wells (MW-3 through MW-6) on the adjoining LUST Site (30 Glynn Court) and properties 39 Calvert Street and 10235 Woodward Avenue to the north. These seven groundwater monitor wells were installed to determine if groundwater was present at the 10201 Woodward Avenue property and or on any of the adjoining properties.

Limited water was observed in monitoring wells MW-1, MW-2, and MW-7, installed on the Site. The most recent static water levels were measured on July 1, 2021. The measurements indicate an average depth to water (if present) of ~4.5 feet bgs; however, the depth to water ranged from ~3 feet bgs to ~7 feet bgs. The water elevations collected on July 1, 2021, indicate that there is no clear groundwater gradient.

Based on this information, the general hydrogeologic setting of the area, and information from other nearby investigations, it can be concluded the groundwater is perched and discontinuous and meets the conditions of groundwater not in an aquifer (Operational Memorandum No. 11).

The soils at the Site generally consist of a sandy material that overlays a native dry clay material. The depth to clay at the site ranges from ~2 feet bgs to ~16 feet bgs depending on the presence of the non-native sand that has been placed on the Site as fill material and/or from historical excavations on the Site. In addition, there were other materials observed in boring logs, such as coal, bricks, asphalt, wood, etc. These materials are believed to be associated with the former development and uses of the property and surrounding areas. Further, historical sources (Sanborn maps, aerial photographs, city records) indicate that there were historically several other commercial and residential structures on the Site and adjoining parcels. This information indicates that the upper 8-10 feet of soil (depending on the location of foundations and basements) was historically disturbed and/or filled.

4.1.2 Assessment of the Applicability of RBSLs

The presence of LNAPL (residual, mobile or migrating) at certain GRO and or DRO concentrations negates comparison to the soil RBSLs for relevant pathways to evaluate risk; pathways such as, soil direct contact (GRO>900 parts per million (ppm and DRO > 1050 ppm), soil volatilization to indoor air pathway (VIAP) (GRO>350 ppm and DRO >500 ppm), and, in some cases, volatile soil inhalation (VSI) in the presence of mobile or migrating LNAPL.

Detected GRO and DRO concentrations in soil samples collected from across the Site exceed their respective LNAPL screening levels and, by definition, residual LNAPL is present within these soils.

No mobile LNAPL has been observed in the monitoring well on the Site or in the monitoring wells located on the adjoining parcels.

The presence of groundwater at depths shallower than 3 meters below ground surface negates comparison to the groundwater RBSLs for the VIAP.

As provided under Section 5.6 of the RBCA standard, a Tier 3 evaluation is necessary. A Tier 3 evaluation provides for the development of site-specific target levels (SSTLs) and or alternate points of compliance. SSTLs for the VIAP were requested from EGLE and are used for comparison to the site characterization data to evaluate the risk through the VIAP.

4.2 Risk-Based Corrective Action (RBCA) Evaluation

4.2.1 Method and Discussion

A RBCA evaluation was conducted for the Site, in accordance with the ASTM International (ASTM) Standard Practice E 1739-95 (Reapproved 2015). This RBCA evaluation is considered a Tier 3 Evaluation utilizing the most recent characterization information and data for the Site.

4.2.2 Identification of Contamination in Media

The sections below provide narrative documenting contamination in the groundwater and soil media. Figures and Tables presenting this information are referenced as appropriate.

Groundwater Contamination

As noted above, the groundwater observed at 10201 Woodward Avenue is perched and discontinuous. The analytical results for groundwater collected from MW-7 on July 1, 2021, indicated the presence of various VOCs that exceed the residential SSTLs for the VIAP for shallow groundwater slab-on-grade building foundation as provided by EGLE on December 15, 2021, for the following: benzene; ethylbenzene; isopropylbenzene; naphthalene; n-propylbenzene; 1,2,3-trimethylbenzene; 1,2,4-trimethylbenzene; and 1,3,5-trimethybenezene. These were the highest detections at the Site benzene – 16 ug/L, n-butylbenzene – 30 ug/L; sec-butylbenzene – 17 ug/L; ethylbenzene – 79 ug/L; isopropylbenzene – 30 ug/L; naphthalene – 60 ug/L; n-propylbenzene – 59 ug/L; 1,2,3-trimethylbenzene – 133 ug/L; 1,2,4-trimethylbenzene – 331 ug/L; 1,3,5-trimethylbenzene – 63 ug/L; total xylenes – 60 ug/L; and lead – 5 ug/L.

The laboratory analytical results for the groundwater samples collected from adjoining parcels are presented on Table 2.

LNAPL and Soil Contamination – 10201 Woodward Avenue

Soil borings were advanced with soil samples collected and analyzed to adequately define the extent of residual LNAPL and soil contamination to the residential SSTLs for soil for the VIAP. Additional soil samples were collected from soil borings on the adjoining parcels (39 Calvert, 10227 Woodward, and 30 Glynn Court) as necessary to fully delineate the extent of the soil contamination. The most recent soil samples collected in 2021 indicate the vertical extent of soil contamination in the area of the former building has been delineated to a depth of approximately ~12 feet bgs. The results of the verification soil sampling completed in 2002 (sample F11) indicates that contamination in the area of the former UST excavation may extend to a depth of ~16 feet bgs.

As presented on Table 3 and Figures 4, current laboratory analytical data indicate that previous corrective actions conducted at the Site (removal of USTs and limited contaminated soil removal) did not result in the complete remediation of soils; and contaminated soils remain in the area of the former UST excavation and beneath the former building.

The investigations have identified that soil contamination at the Site is commingled with soil contamination associated with the confirmed releases at the 10227 Woodward Avenue and 30 Glynn Court Properties.

Commingled LNAPL and Soil Contamination – Defining the Horizontal Extent

Soil sample intervals were screened using a Photoionization Detector (PID) during the drilling at the Site. The PID reading observed at each soil interval is noted on the boring logs included in Appendix B. The highest PID detection of 515.1 parts per million (ppm) was noted in soils collected from SB-24 at ~8 feet bgs. SB-24 was installed along the southern edge of the former UST Excavation at 30 Glynn Court. Other borings in the area of the former

USTs and building (SB-18 and SB-38) excavation at 30 Glynn Court also had elevated PID detections. The depth of these PID detections corresponds to the approximate depth of the former excavation. No PID detections were observed in soil borings completed outside of the excavation area (SB-25, SB-26, SB-29, and SB-30).

Oil-In-Soil tests kits were utilized during the site investigations as a screening tool. Results of the Oil-In-Soil test kits are noted on the boring logs included in Appendix B. Oil-In-Soil test kits indicating the presence of petroleum >500 ppm were collected from samples at location of borings SB-24, SB-36, SB-38 (30 Glynn Court within area of former USTs and building between 4 and 8 feet bgs), and MW-7 (10201 Woodward Avenue). The positive test kits also coincided with areas were DRO and GRO were detected above 20 ppm and 250 ppm respectively. Oil-In-Soil test kits were also completed on soils from areas that did not have other field indications of petroleum contamination (elevated PID detections, staining, odor, etc.). Oil-In-Soil test Kits completed on samples from these borings (MW-2, MW-3, SB-12, SB-17, SB-25, SB-26, SB-27, SB-28, SB-29, SB-39, and SB-41) did not indicate petroleum was present >500 ppm.

Laboratory analytical indicates that GRO was detected at concentrations >250 ppm across the three LUST Sites in samples collected from SB-10, SB-19, SB-20, SB-22, SB-37, SB-38, MW-7) and SB-21. DRO was detected >20 ppm in multiple locations at the Site in samples collected from the three LUST Sites. It is to be noted the GRO was below the method detection limit or below 250 ppm in several samples collected from soil borings where coal, asphalt, slag, or other fill material was observed within the soil matrix.

The horizontal extent of the soil contamination associated strictly with the release at 10201 Woodward Avenue cannot be determined because the contamination is commingled with contamination in soil due to confirmed releases at the two adjoining LUST Sites and extends onto portions of the properties identified as 39 Calvert Street and 10235 Woodward Avenue both adjacent to the north of 10227 Woodward and 30 Glynn Court.

However, the full horizontal extent of the commingled soil contamination has been defined. Refer to Figure 4.

As presented on Table 3 and on Figure 4, there are exceedances of the applicable residential RBSLs and SSTLs in soil at the Site. These soils will be addressed per the corrective action plan (CAP).

1. Relevant Exposure Pathways

The following paragraphs provide discussion for each of the potentially relevant exposure pathways:

- Drinking Water and Drinking Water Protection
- Groundwater Surface Water Interface and Groundwater Surface Water Interface Protection
- Soil and Groundwater Volatilization to Indoor Air
- Particulate Soil Inhalation
- Volatile Soil Inhalation (Ambient Air)
- Direct Contact

Drinking Water and Drinking Water Protection

As identified above, it has been determined that the groundwater present at the Site is discontinuous and perched and qualifies as groundwater not in an aquifer.

- Not a relevant pathway.

Groundwater Surface Water Interface and Groundwater Surface Water Interface Protection

For the Site that is the subject of this FAR, not only is there no continuous source of groundwater, but the sanitary and storm sewers are combined.

- Not a relevant pathway.

Soil and Groundwater Volatilization to Indoor Air

The VIAP is relevant due to the presence of VOCs in soil and groundwater at the Site. Further, the measured concentrations of the regulated substances in the soil and groundwater and the presence of residual LNAPL represent a continuing source of vapors. As stated above, the presence of residual LNAPL at the Site precludes comparison to RBSLs for soil for the VIAP. The presence of groundwater at depths shallower than three meters bgs precludes comparison to the RBSLs for groundwater for the VIAP. Therefore, at the request of the submitter EGLE developed SSTLs for the VIAP and these SSTLs are utilized for comparison to the detected contaminant concentrations in groundwater and soil at the Site. Tables 2 and 3 compare the detected groundwater and soil concentrations respectively, to the SSTLs. There are currently no structures at the Site (property). However, WLDHA (the submitter of the FAR) proposes to construct a mixed use residential and commercial building at the Site

- Pathway is relevant. Corrective actions are necessary to adequately address the VIAP for any future structures – refer to the CAP - Section 5.0.

Particulate Soil Inhalation

This pathway is relevant for all land uses and the RBSLs are applicable to all soil depths. Based on the investigations conducted to date, the source area is approximately 0.8-acre in size. The RBSLs were modified by a factor of 0.87 due to this source area size and compared to detected concentrations.

No regulated substances were detected at concentrations exceeding their Particulate Soil Inhalation RBSLs.

- Pathway is relevant, the RBSLs are applicable and contaminant concentrations do not exceed the applicable residential RBSLs. No corrective actions are necessary.

Volatile Soil Inhalation (Ambient Air)

This pathway is relevant for all land uses and the RBSLs are applicable to all soil depths. Based on the investigations conducted to date, the source area is approximately 0.8-acre in size. The

generic RBSLs were modified by a factor of 0.87 due to this source area size and compared to detected concentrations.

No regulated substances were detected at concentrations exceeding the Infinite Source Volatile Soil Inhalation RBSLs for the Site.

- Pathway is relevant, the RBSLs are applicable and contaminant concentrations do not exceed the applicable residential RBSLs. No corrective actions are necessary.

Direct Contact

The EGLE-RRD LNAPL Guidance Document states that the presence of mobile, migrating, and/or residual LNAPL in soil violates the assumptions used to develop the Soil Direct Contact RBSLs and by definition a direct contact exposure risk exists where mobile and/or residual LNAPL is known or otherwise assumed to be present. Soil investigation activities completed to date have identified the presence of GRO and DRO in soils at concentrations that exceed the applicable LNAPL direct contact screening levels (GRO > 900 ppm and DRO > 1,050 ppm). Residual LNAPL contamination has been detected in the following soil samples SB 10(8.5'-9.0'), SB 22(7.5'-8.0'), SB38(3.5'-4.0') and SB39(7.0'-7.5') collected from the 10201 Woodward Avenue parcel. GRO above the 900 ppm screening level was detected in soil samples SB10(8.5'-9.0') and SB38(3.5'-4.0'), while DRO above the 1,050 ppm screening level was detected in samples SB22(7.5'-8.0'), SB38(3.5'-4.0') and SB39(7.0'-7.5'). GRO was detected at the same concentration of 1,700 ppm in samples SB10(8.5'-9.0') and SB38(3.5'-4.0'). DRO was detected in samples SB 22(7.5'-8.0'), SB38(3.5'-4.0') and SB39(7.0'-7.5') at 1,079 ppm, 1,700 ppm, and 1,440 ppm, respectively.

- Pathway is relevant and the RBSLs are not applicable. Corrective actions are necessary to address risks associated with this exposure pathway – refer to the CAP - Section 5.0.

4.3 Site Classification

The Site has been classified in accordance with EGLE RRD Leaking Underground Storage Tank Site Classification Form EQP 4469 (Rev 02/2022). Based on current site conditions, there is no

residual LNAPL in soils shallower than 3' bgs; therefore, the site classification is General Scenario Class 3.

5.0 CORRECTIVE ACTION PLAN

Residual LNAPL is present above the GRO and DRO screening levels and contaminants in soil and groundwater are present at the Site at concentrations above the applicable residential RBSLs and SSTLs. The extent of residual LNAPL and soil contamination is defined beyond the bounds of the 10201 Woodward Avenue property boundaries to the adjoining LUST sites.

Due to the proposed future development of the Site as mixed use residential and commercial, WLDHA's remedial goal is to achieve an unrestricted residential closure. Due to the existing site conditions, site geology, and time constraints associated with redevelopment of the 10201 Woodward Avenue and adjacent Woodward Avenue and Glynn Court properties, only one corrective alternative was considered to reliably and effectively achieve WLDHA's remedial goal of an unrestricted residential closure under Part 213.

5.1 SELECTED CORRECTIVE ACTION ALTERNATIVE

The selected corrective action consists of the excavation of the contaminated soil, with transportation and disposal of the excavated material at a licensed Type II landfill. As depicted on Figure 8, the dimensions of LNAPL and soil contamination on the 10201 Woodward Avenue property cannot be differentiated from the LNAPL and contamination from releases at the 10227 Woodward Avenue and 30 Glynn Court LUST sites extends onto portions of the properties identified as 39 Calvert Street and 10235 Woodward Avenue both adjacent to the north of 10227 Woodward and 30 Glynn Court. The proposed corrective action plan will effectively be conducted across all three of LUST properties with the goal to achieve closure of all three confirmed releases. These activities will be completed in two stages of excavation moving south to north. This will allow for greater portions of the excavation to remain open while the VSR sampling and resulting analytical data is received and evaluated. Figure 8 illustrates the dimensions of the proposed excavation area at the Site. The area depicted on this figure has

been enlarged slightly and "squared-off." The former alleyways along Glynn Court (the west adjoining property) and to the west may also be included in the area to be excavated. It is expected that soils will be removed, and the excavation sampled in a progressive manner so that the excavation can be completed within the south and north sections. Demonstrated clean, engineered backfill will be emplaced and compacted according to engineer's specifications. The progressive nature of the excavation, sampling, and backfill will allow for remediation (and sampling) to proceed following the receipt of laboratory data. The vertical extent of the excavation as depicted is based on the current soil data. Additional field observations and screening will be used to guide excavation and sampling/laboratory testing will be performed during the corrective action activities to ensure all contaminated soils are removed. The excavation on the 10201 Woodward Avenue LUST Site will be completed together with corrective actions on the adjoining Woodward Avenue and Glynn Court LUST Sites. In other words, although there were three separate confirmed releases, there will essentially be only one excavation area that will span across,onto, and beyond the bounds of all 3 of the LUST properties. Soil removal will continue until verification sampling demonstrates the soils that remain on the floor and sidewalls are below the applicable residential RBSLs all relevant pathways and the unrestricted residential VIAP SSTLs for soil.

Field personnel will utilize field indications (PID readings, staining, odor, etc.) and or discretionary laboratory analyses to determine if and where further excavation is needed. PID Readings are not generally an indicator for PNAs or some chlorinated VOCs. Therefore, we will also utilize the site characterization data (depths and locations) for sampling to verify the contamination has been removed. The final extent of the excavation, however, will be determined based on the laboratory analytical results of verification soil samples collected from the floor and sidewalls of the excavation.

5.2 Verification of Remediation Sampling

Results of the site characterization indicated the soils at the Site generally consist of a sandy material that overlays a native dry clay material. The depth to clay at the site ranges from ~2 feet

bgs to ~16 feet bgs depending on the presence of the non-native sand that has been placed on the Site as fill material and/or from historic excavations on the Site. Additionally, historical information indicates that the upper 8-10 feet of soil (depending on the location of foundations and basements) was historically disturbed and/or filled.

The total remediation area is ~0.78-acre and it is planned that the excavation will be sampled using bias sampling methods outlined in the S3TM document. Although it may entail a greater number of samples, it is believed that a bias-based sampling strategy will provide a more-comprehensive dataset to determine that corrective actions are complete and that no contaminants remain at concentrations above the most-restrictive applicable residential RBSLs or SSTLs. Bias sampling will easily allow for additional samples to be collected in areas and at depths to address variability in subsurface materials and concentrations. Further, the bias-based approach can be easily modified if the excavation requires enlargement to remove all of the contaminated soils.

Results of assessment as outlined in this document indicate the “initial excavation” will remove the south half of essentially all the material to a depth of 12-16 feet across the Site as outlined on Figure 8 (across all of the subject property parcels). The second excavation will remove the remainder of the contaminated soils across the 3 Sites (30 Glynn Court, 10201 Woodward and 10227 Woodward Avenue) and soils from portions of the 39 Calvert Street and 10235 Woodward Avenue properties to the north of 10227 Woodward Avenue and 30 Glynn Court. Excavation of contaminated soils (vertically and horizontally) will continue until all remaining soils are at or below the applicable unrestricted residential RBSLs and SSTLs.

Verification of soil remediation (VSR) sampling will be conducted during these two remedial action excavations in accordance the biased sampling approach per the EGLE “Sampling Strategies and Statistics Training Materials for Part 201 Evaluations (S3TM) Cleanup Criteria” publication dated August 2002.

In accordance with the S3TM, field screening of the walls and floors of the excavation based on likely source depths, visual/olfactory evidence of impact, vertical profiling, and PID (or appropriate means and methods) readings will be conducted and relied upon to demonstrate that the areas with the highest potential for contamination are sampled. The screening will be documented and serve as the basis or justification for the selected samples/locations from the excavation floor and sidewalls. Biased sampling strategies will incorporate all pertinent biases, including 1) source areas, 2) stained/olfactory soils, 3) preferential pathways for contaminant migration, 4) changes in soil characteristics such as sand/clay interfaces and fractures in clay and 5) soil types and characteristics.

The VSR samples will document the removal of contaminated soils to below applicable residential RBSLs and SSTLs. Sections of the excavation may remain open until laboratory analytical results are available and it is verified all contamination above the applicable residential RBSLs, residential SSTLs, and GRO and DRO screening levels have been removed. If laboratory analytical data indicates any exceedances of the RBSLs, SSTLs, DRO or GRO at a sample location, then further soil will be removed in that area. This methodology could result in multiple rounds of sampling; however, the final result will be the removal of all contaminated soil.

Excavation activities will cease following the receipt of analytical results from VSR samples collected from the excavation that document the removal of the contaminated soils to below applicable residential RBSLs and SSTLs for the VIAP.

5.3 Dewatering (if needed)

Some water has been observed at two of the three LUST properties and the properties to the north at 10235 Woodward and 39 Calvert Street, particularly after heavy rainfall; however, overall, the groundwater observed at the Site is perched and discontinuous. Depending on the amount of water that accumulates in the excavation and the weather conditions during the excavation period, a dewatering system may be utilized to remove water from the excavation.

Water will be pumped from the excavation to a frac tank. Water in the frac tank will be profiled and either discharged to the City of Detroit sewer or disposed offsite. Any discharge to the City of Detroit sewer will require prior approval by the city. If a permit is granted any water discharged to the City sewers will be done in accordance with the permit requirements, which may include treating the groundwater utilizing carbon filtration prior to discharge and the collection of effluent water samples for analysis of VOCs, PNAs and lead. Effluent samples will be collected on a weekly basis (or more frequently as needed) while dewatering (if needed) is completed.

5.4 Ambient Air Monitoring

Periodic ambient air measurements will be made throughout each day until excavation activities are completed. These checks will include: general weather observations; measurement of wind speed and direction; and ambient air PID measurements in the excavation area and downwind perimeter.

5.5 LNAPL Monitoring and Management

Mobile LNAPL has not been observed at the Site; however, field personnel will monitor for any mobile LNAPL that may accumulate in the excavation. LNAPL that accumulates in the excavation will be removed utilizing absorbent pads. If large quantities of LNAPL are observed, then a vac truck will be utilized to remove the LNAPL. If LNAPL is present, it may also accumulate in the frac tank if dewatering is needed. The water in the frac tank will be monitored for the presence of LNAPL. If LNAPL is observed within the frac tank, then the LNAPL will be removed utilizing absorbent booms and/or a vac truck. Any LNAPL removed from the site will be properly disposed.

6.0 SCHEDULE FOR CORRECTIVE ACTION PLAN IMPLEMENTATION

It is anticipated that the proposed corrective actions will be implemented concurrent with the initiation of site development, which is scheduled to begin upon EGLE review and approval of the FAR/CAP.

The City of Detroit and the Great Lakes Water Authority have been contacted regarding the options for water discharge during excavation activities. Follow-up communications will be made as the project progresses. MDOT and the local streets department will be notified regarding the work along Woodward and Glynn Ct. Appropriate construction and building permit applications will be completed by WLDHA (or its contractors).

It is expected that the soil excavation and disposal activities will be completed over a period of one-two months (depending on weather conditions, the need for dewatering, and the time for sampling/results to be completed). Mobilization and site access/security will be completed before any actions are initiated.

In accordance with the statute, EGLE will be notified of corrective action activities.

A Closure Report is anticipated to be prepared and submitted to EGLE upon the completion of the proposed corrective action plan.

TABLES

Table 1 – Soil Boring and Monitor Well Location Table
Table 2 – Summary of Groundwater Data
Table 3 – Summary of Soil Data

TABLE 1 (PAGE 1 of 2)
SOIL BORING AND MONITOR WELL LOCATION TABLE

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
30 GLYNN CT, 10201 WOODWARD and 10227 WOODWARD
DETROIT, MICHIGAN

Location ID	Easting	Northing	Ending Depth	Property Address
SB-1	2030.8665	867.4517	12.00	39 Calvert St
SB-4	2092.0286	945.7025	12.00	10235 Woodward
SB-5	2194.3428	896.7861	12.00	10201 Woodward
SB-6	2214.7523	856.6806	12.00	10201 Woodward
SB-7	2160.9357	814.7071	12.00	10201 Woodward
SB-8	2099.7927	859.8904	8.00	30 Glynn Ct
SB-9	2132.9269	854.3115	12.00	10201 Woodward
SB-10	2138.9912	882.0824	9.00	10201 Woodward
SB-11	2150.5539	905.5715	12.00	10227 Woodward
SB-12	2125.0318	746.9804	8.00	30 Glynn Ct
SB-13	2109.2621	899.5805	24.00	10227 Woodward
SB-14	2116.9603	895.9858	20.00	10227 Woodward
SB-15	2129.1055	949.3555	20.00	10235 Woodward
SB-16	2089.0616	866.5149	16.00	39 Calvert St
SB-17	2084.8438	841.5343	16.00	30 Glynn Ct
SB-18	2109.5424	848.1794	16.00	30 Glynn Ct
SB-19	2144.0570	858.2667	16.00	10201 Woodward
SB-20	2146.4231	886.7188	16.00	10201 Woodward
SB-21	2100.1872	886.4028	20.00	39 Calvert St
SB-22	2156.1703	837.3282	20.00	10201 Woodward
SB-23	2204.9509	825.2231	16.00	10201 Woodward
SB-24	2110.0088	782.3645	20.00	30 Glynn Ct
SB-25	2088.2704	739.9468	20.00	30 Glynn Ct
SB-26	2070.3950	772.8768	20.00	30 Glynn Ct
SB-27	2052.7162	811.8093	16.00	30 Glynn Ct
SB-28	2075.9662	861.6074	16.00	30 Glynn Ct
SB-29	2041.9124	802.6487	12.00	30 Glynn Ct
SB-30	2122.1221	758.8087	20.00	30 Glynn Ct
SB-31	2189.8912	800.3586	16.00	10201 Woodward
SB-32	2213.4630	859.9025	16.00	10201 Woodward
SB-33	2198.7306	901.4524	16.00	10201 Woodward
SB-34	2176.8330	943.1058	12.00	10227 Woodward
SB-35	2079.2345	813.7723	20.00	30 Glynn Ct
SB-36	2097.8955	813.4451	20.00	30 Glynn Ct
SB-37	2127.5024	816.0479	20.00	30 Glynn Ct
SB-38	2140.2946	798.6732	12.00	30 Glynn Ct
SB-39	2155.0167	775.9644	12.00	30 Glynn Ct
SB-40	2201.9298	839.8871	16.00	10201 Woodward
SB-41	2053.7039	851.7925	12.00	39 Calvert St

TABLE 1 (PAGE 2 of 2)
SOIL BORING AND MONITOR WELL LOCATION TABLE

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
30 GLYNN CT, 10201 WOODWARD and 10227 WOODWARD
DETROIT, MICHIGAN

Location ID	Easting	Northing	Ending Depth	Property Address
MW-1	2236.5200	806.3670	12.00	10201 Woodward
MW-2	2168.9415	768.2480	8.00	10201 Woodward
MW-3	2036.1726	812.9279	12.00	30 Glynn Ct
MW-4	2157.9799	979.2648	12.00	10235 Woodward
SB-2/MW-5	2042.2464	902.4159	12.00	39 Calvert St
SB-3/MW-6	2019.8070	919.4374	12.00	39 Calvert St
MW-7	2116.2726	869.3990	12.00	10201 Woodward
TSB-1	2074.8780	914.5287	12.00	39 Calvert St
TSB-2	2099.4614	920.8213	14.00	10227 Woodward
TSB-3	2084.2395	896.5975	12.00	39 Calvert St
TSB-4	2081.4034	889.8330	20.00	39 Calvert St
TSB-5	2107.8922	902.8173	20.00	10227 Woodward
TSB-6	2111.0919	897.5177	20.00	39 Calvert St
TSB-7	2126.2577	904.8651	16.00	10227 Woodward
TSB-8	2095.6154	880.4036	20.00	39 Calvert St
TSB-9	2105.7373	891.0993	20.00	10227 Woodward
TSB-10	2116.9603	895.9858	10.00	10227 Woodward
TSB-10A	2122.4958	898.3006	20.00	10227 Woodward
ETSB-1	2133.6203	889.0644	15.00	10201 Woodward
ETSB-2	2136.8767	882.3609	16.00	10201 Woodward
ETSB-3	2148.6764	893.8557	16.00	10201 Woodward
ETSB-4	2141.0956	875.1152	16.00	10201 Woodward
ETSB-5	2179.5375	831.9016	16.00	10201 Woodward
ETSB-6	2171.2678	820.9043	16.00	10201 Woodward
ETSB-7	2180.1763	822.4565	16.00	10201 Woodward
ETSB-8	2186.0630	827.5865	16.00	10201 Woodward
ETSB-9	2192.4583	829.8848	18.00	10201 Woodward
ETSB-10	2186.7397	819.9327	16.00	10201 Woodward
GP-1	2146.9269	951.3536	--	10235 Woodward
GP-2	2165.6013	913.5768	--	10227 Woodward
GP-3	2192.8616	853.3948	--	10201 Woodward
GP-4	2213.6929	816.8701	8.00	10201 Woodward
GP-5	2170.9137	795.0999	12.00	10201 Woodward
GP-6	2131.6677	779.6160	--	30 Glynn Ct
GP-7	2115.9618	850.1661	--	30 Glynn Ct
GP-8	2139.5557	865.5391	--	10201 Woodward

TABLE 2 - (PAGE 1 OF 2)
SUMMARY OF GROUNDWATER DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
30 GLYNN CT, 10201 WOODWARD and 10227 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	Site-Specific Target Levels*	Results (µg/L), Sampling Locations, and Dates					
		Residential	June 2021 - KECK Consulting					
		SSTLs for slab-on-grade (µg/L)	MW-1	MW-2	MW-4	MW-5	MW-6	MW-7
			7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021
Volatile Organic Compounds								
Benzene	71432	1.0 ca	<1	<1	<1	<1	<1	**16**
n-Butylbenzene	104518	44 nc	<1	<1	<1	<1	<1	**30**
sec-Butylbenzene	135988	270 nc	<1	<1	<1	**2**	**3**	**17**
Ethylbenzene	100414	2.8 ca	<1	<1	<1	<1	<1	**79**
p-Isopropyltoluene	99876	--	<5	<5	<5	<5	<5	<30
Isopropylbenzene	98828	0.60 (M) ca	<5	<5	<5	<5	<5	**30**
Naphthalene	91203	4.2 (M) ca	<5	<5	<5	<5	<5	**60**
n-Propylbenzene	103651	43 (DD) dev	<1	<1	<1	<1	<1	**59**
1,2,3-Trimethylbenzene	526738	43 (JT) nc	<1	<1	<1	<1	<1	**133**
1,2,4-Trimethylbenzene	95636	25 (JT) nc	<1	<1	<1	<1	<1	**331**
1,3,5-Trimethylbenzene	108678	18 (JT) nc	<1	<1	<1	<1	<1	**63**
Total Xylene	1330207	75 (J) nc	<3	<3	<3	<3	<3	**60**
Polynuclear Aromatic Hydrocarbon								
PNAs	--	--	BDL	BDL	BDL	BDL	BDL	NA
Metals								
Lead	7439921	--	<3	<3	**5**	<3	<3	NA
Mercury	7439978	0.088 nc	<0.2	<0.2	<0.2	<0.2	<0.2	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below detection limits
-- = No SSTLs established
NA - Not Analyzed or Not Available
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SSTSLs.

TABLE 2 - (PAGE 2 OF 2)
SUMMARY OF GROUNDWATER DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
30 GLYNN CT, 10201 WOODWARD and 10227 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	Site-Specific Target Levels*	Results (µg/L), Sampling Locations, and Dates				
		Residential	April 2014 - EGLE Triage				
		SSTLs Groundwater for slab-on-grade (µg/L)	TSB1-GW	TSB3-GW	TSB7-GW	TSB10-GW	DUP1-GW
			4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014
Volatile Organic Compounds							
Benzene	71432	1.0 ca	<1.0	<1.0	**3.5**	<1.0	<1.0
n-Butylbenzene	104518	44 nc	<1.0	<1.0	**4.8**	**2.6**	<1.0
sec-Butylbenzene	135988	270 nc	**4.0**	**2.8**	**6.8**	**2.4**	**3.9**
Ethylbenzene	100414	2.8 ca	<1.0	<1.0	<1.0	**2.9**	<1.0
p-Isopropyltoluene	99876	--	<1.0	<1.0	**1.5**	**2.2**	<1.0
Isopropylbenzene	98828	0.60 (M) ca	**2.8**	**0.95**	**11**	**5.4**	**2.8**
Naphthalene	91203	4.2 (M) ca	<5.0	<5.0	<5.0	<5.0	<5.0
n-Propylbenzene	103651	43 (DD) dev	<1.0	<1.0	**15**	**7.7**	<1.0
1,2,3-Trimethylbenzene	526738	43 (JT) nc	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	95636	25 (JT) nc	<1.0	<1.0	**1.7**	**42**	<1.0
1,3,5-Trimethylbenzene	108678	18 (JT) nc	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylene	1330207	75 (J) nc	<3.0	<3.0	<3.0	<3.0	<3.0
Polynuclear Aromatic Hydrocarbon							
PNAs	--	--	NA	NA	NA	NA	NA
Metals							
Lead	7439921	--	NA	NA	NA	NA	NA
Mercury	7439978	0.088 nc	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Targe
BDL - Below detection limits
-- = No SSTLs established
NA - Not Analyzed or Not Available
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIA
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Men

TABLE 3 - (PAGE 1 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Results (µg/Kg), Sampling Locations, and Dates																
					June 2021 - KECK Consulting																
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Soil (slab-on-grade) SSTLs (µg/Kg)	SB-1 (5-6')	SB-2 (6.3-7')	SB-2 (11.5-12')	SB-3 (7-7.5')	SB-3 (11.5-12')	SB-4 (5-5.4)	SB-5 (11.5-12')	SB-6 (6-6.5')	SB-6 (11.5-12')	SB-7 (11.5-12')	SB-8 (11.5-12')	SB-9 (11-11.5')	SB-10 (8.5-9')	SB-11 (11.5-12')	MW-3 (4-6')	MW-7 (6-6.5')	MW-7 (11.5-12')
					6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021	6/28/2021
Volatile Organic Compounds																					
Benzene	71432	**1.80E+05**	11,310	1.7 (M)	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	<60	**510**	<70	<60	<60	<70	**700**
Toluene	108883	**5.0E+7 (C)**	2,436,000	3,700 nc	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	<60	<60	<70	<60	<60	<70	<100
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	12 (M) ca	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**1,130**	<60	**140**	<60	<60	<70	**3,000**
Isopropylbenzene	98828	**2.5E+7 (C)**	1,479,000	9,900 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**1,200**	<300	**7,000**	<300	<300	<300	**1,400**
n-Propylbenezene	103651	**2.5E+06**	ID	1,800 (DD)	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**3,460**	<60	**16,000**	<60	<60	**250**	**3,500**
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	100 (JT) nc	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**5,330**	<60	**1,390**	<60	<60	<70	**3,800**
tert-Butylbenzene	98066	**2.5E+06**	ID	0.64 (M)	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	<60	<60	**470**	<60	<60	<70	<100
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	150 (JT)	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**8,050**	<60	**8,620**	<60	<60	**250**	**18,300**
sec-Butylbenzene	135988	**2.5E+06**	ID	3,800 nc	<60	**460**	<70	**310**	<60	<60	<60	<60	<70	<60	**1,730**	<60	**13,000**	<60	<60	**420**	**1,700**
p-Isopropyltoluene	99876	--	--	--	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	**1,500**	<100	**2,100**	<100	<100	<100	**1,400**
1,2,3-Trimethylbenzene	52673	--	--	--	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**5,900**	<60	**1,460**	<60	<60	**100**	**8,500**
n-Butylbenzene	104518	**2.5E+06**	ID	560 nc	<60	<70	<70	<70	<60	<60	<60	<60	<70	<60	**4,190**	<60	**20,000**	<60	<60	**600**	**3,100**
Naphthalene	91203	**1.60E+7**	261,000	67 (M)	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,700**	<300	<300	<300	**1,400**
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	1,700 nc	<100	<100	<100	<170	<100	<100	<100	<100	<100	<100	<100	<100	**800**	<100	<100	<100	**900**
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	280 (J)	<160	<170	<170	<170	<160	<160	<160	<160	<170	<160	**1,070**	<160	**530**	<160	<160	<170	**2,600**
Cyclohexane	110827	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon																					
Acenaphthene	83329	**4.1E+7**	70,470,000	2.1E+05	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208968	**1.60E+06**	1,914,000	DATA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Anthracene	120127	**2.30E+8**	1,218,000,000	1.3E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(a)anthracene	56553	**20,000**	NLV	1.6E+05 (MM)	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**300**	<300	<300	<300	<300
Benzo(a)pyrene	50328	**2,000**	NLV	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**300**	<300
Benzo(b)fluoranthene	205992	**20,000**	ID	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**500**	<300	<300	**600**	<300
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**600**	<300	<300	**700**	<300
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Chrysene	218019	**2.00E+06**	ID	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**300**	<300	<300	**300**	<300
Dibenzo(ah)anthracene	53703	**2,000**	NLV	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206440	**4.60E+7**	870,000,000	--	<300	<300	<300	<300	<300	<300	<300	**400**	<300	<300	<300	<300	**700**	<300	<300	**400**	<300
Fluorene	86737	**2.70E+7**	113,100,000	4.7E+05	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Naphthalene	91203	**1.60E+7**	261,000	67 (M)	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**1,400**	<300	<300	<300	**1,500**
Phenanthrene	85018	**1.60E+06**	139,200	1,700	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**500**	<300	<300	<300	<300
Pyrene	129000	**2.90E+7**	565,500,000	2.5E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**700**	<300	<300	**400**	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**500**	<300	<300	<300	**1,000**
1-Methylnaphthalene	90120	--	--	--	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**400**	<300	<300	<300	**400**
Metals																					
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	22(M)	<50	<50	<50	<50	<50	<50	<50	**60**	<50	<50	<50	<50	<50	<50	<50	**333**	<50
Lead	7439-92-1	**400,000**	NLV	--	**1,680**	**4,030**	**16,900**	**2,700**	**5,610**	**2,350**	**7,310**	**50,000**	**7,470**	**4,310**	**6,710**	**6,640**	**15,600**	**6,550**	**2,260**	**97,000**	**6,900**
Total Petroleum Hydrocarbons																					
Diesel Range Organics	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10,000**	**144,000**	**21,000**	**810,000**	**28,000**	NA	**345,000**	**186,000**
Gasoline Range Organics	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6,000	**191,000**	<6,000	**1,700,000**	<6,000	NA	**198,000**	**260,000**

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201 Generic Criteria and Screening Levels.
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SSTSLs.

TABLE 3 - (PAGE 2 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels*	Results (µg/Kg), Sampling Locations, and Dates																
		Ambient Air			Residential	August 2021 - KECK Consulting																
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	SB-13 (19.5-20')	SB-14 (15.5-16')	SB-14 (19.5-20')	SB-15 (6-6.5')	SB-15 (14.5-15')	SB-15 (19.5-20')	SB-16 (6.5-7')	SB-16 (15.5-16')	SB-17 (6.5-7')	SB-17 (15.5-16')	SB-18 (6.5-7')	SB-18 (15.5-16')	SB-19 (9.5-10.5')	SB-19 (19.5-20')	SB-20 (10.5-11')	SB-20 (11.5-12')	SB-20 (15.5-16')
						8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021
Volatile Organic Compounds																						
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<60	<60	<60	<70	<60	<60	<60	<60	<60	<60	<700	<60	<80	<60	<70	<60	<60
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<60	<60	<60	<70	<60	<60	<60	<60	<60	<60	<700	<60	<80	<60	<70	<60	<60
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<60	<60	<60	<70	<60	<60	**210**	<60	<60	<60	<120	<60	<80	<60	<70	<60	<60
Isopropylbenzene	98828	**2.5E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<300	<300	<300	<300	<300	<300	**2,000**	<300	<300	<300	**3,300**	<300	**1,200**	<300	<300	<300	<300
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<60	<60	<60	<70	<60	<60	**5,840**	<60	<60	<60	**9,170**	<60	**3,400**	<60	<70	<60	<60
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<60	<60	<60	<70	<60	<60	**540**	<60	<60	<60	<70	<60	<80	<60	<70	<60	<60
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<60	<60	<60	<70	<60	<60	<150	<60	<60	<60	**110**	<60	<80	<60	<70	<60	<60
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<60	<60	<60	<70	<60	<60	**3,670**	<60	<60	<60	<70	<60	**150**	<60	<70	<60	<60
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	<60	<60	<60	<70	<60	<60	**3,760**	<60	<60	<60	**5,570**	<60	**1,880**	<60	<70	<60	<60
p-Isopropyltoluene	99876	--	--	--	--	<100	<100	<100	<100	<100	<100	**2,000**	<100	<100	<100	**800**	<100	<200	<100	<100	<100	<100
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<60	<60	<60	<70	<60	<60	**11,580**	<60	<60	<60	<70	<60	**80**	<60	<70	<60	<60
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<60	<60	<60	<70	<60	<60	**7,360**	<60	<60	<60	**10,700**	<60	**3,690**	<60	<70	<60	<60
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	<300	<300	**1,100**	<300	<300	<300	**5,700**	<300	**2,700**	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<100	<100	<100	<100	<100	<100	**300**	<100	<100	<100	**1,500**	<100	**1,000**	<100	<100	<100	<100
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<160	<160	<160	<170	<160	<160	<160	<160	<160	<160	<170	<160	<280	<160	<170	<160	<160
Cyclohexane	110827	--	--	--	320 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon																						
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,000**	<300	<300
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**800**	<300	<300
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**4,400**	<300	<300
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**10,500**	<300	<300
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**7,700**	<300	<300
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**15,900**	<300	<300
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**17,700**	<300	<300
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,800**	<300	<300
Chrysene	218019	**2.00E+06**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**10,100**	<300	<300
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**400**	<300	<300
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**28,900**	<300	<300
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,300**	<300	<300
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,700**	<300	<300
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	<300	<300	**600**	<300	<300	<300	**2,700**	<300	**1,400**	<300	**700**	<300	<300
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**17,600**	<300	<300
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**25,200**	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**900**	<300	**500**	<300	**500**	<300	<300
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9,680**	NA	**5,270**	**7,080**	NA	NA	NA
Total Petroleum Hydrocarbons																						
Diesel Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**75,000**	NA	**294,000**	NA	**26,000**
Gasoline Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**223,000**	NA	**71,000**	NA	<6,000

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SSTLs

TABLE 3 - (PAGE 3 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels*	Results (µg/Kg), Sampling Locations, and Dates														
		Ambient Air			Residential	August 2021 - KECK Consulting														
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	SB-21 (6-6.5')	SB-21 (15.5-16')	SB-21 (19.5-20')	SB-22 (7.5-8')	SB-22 (15.5-16')	SB-23 (11.5-12')	SB-24 (7.5-8')	SB-24 (11.5-12')	SB-24 (17-17.5')	SB-25 (4.9-5.2')	SB-25 (11.5-12')	SB-25 (16.5-17')	SB-26 (6.5-7')	SB-26 (11.5-12')	SB-26 (19-20')
						8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/25/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021
Volatile Organic Compounds																				
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<70	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<70	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<70	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<300	<300	<300	<400	<300	<300	**900**	<300	<300	<300	<300	<300	<300	<300	<300
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<70	<60	<60	**590**	<60	<60	**1,220**	<60	<60	<60	<60	<60	<60	<60	<60
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<70	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<70	<60	<60	**180**	<60	<60	**150**	<60	<60	<60	<60	<60	<60	<60	<60
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	**200**	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	<70	<60	<60	**4,020**	<60	<60	**3,050**	<60	<60	<60	<60	<60	<60	<60	<60
p-Isopropyltoluene	99876	--	--	--	--	<100	<100	<100	<100	<100	<100	**300**	<100	<100	<100	<100	<100	<100	<100	<100
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<70	<60	<60	<70	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<70	<60	<60	**2,080**	<60	<60	**1,670**	<60	<60	<60	<60	<60	<60	<60	<60
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<400	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<170	<160	<160	<170	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160
Cyclohexane	110827	--	--	--	320 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon																				
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	<300	<300	<300	**300**	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Chrysene	218019	**2.00E+06**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	<300	<300	<300	**500**	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	<300	<300	<300	**500**	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	**2,700**	**6,100**	**5,990**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																				
Diesel Range Organics	--	--	--	--	--	**97,000**	**27,000**	NA	**1,079,000**	**22,000**	NA	**551,000**	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	**96,000**	<6,000	NA	**230,000**	<6,000	NA	**201,000**	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SST

TABLE 3 - (PAGE 4 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates															
		Ambient Air			Residential	August 2021 - KECK Consulting															
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	SB-27 (4.9-5.2')	SB-27 (6.5-7')	SB-27 (15.5-16')	SB-28 (6.5-7')	SB-29 (4.9-5.2')	SB-29 (6.5-7')	SB-30 (3.5-4')	SB-31 (6-7')	SB-31 (10-10.5')	SB-31 (11.5-12')	SB-32 (15.5-16')	SB-33 (6-6.5')	SB-33 (15.5-16')	SB-34 (3.5-4')	SB-34 (11.5-12')	SB-34 (15.5-16')
						8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/27/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021
Volatile Organic Compounds																					
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<80	<60	<60	<60	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<80	<60	<60	<60	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<80	<60	<60	<60	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<400	<300	<300	**600**	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<80	**300**	<60	**870**	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<80	**70**	<60	<60	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<80	<60	<60	**120**	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<80	**620**	<60	<60	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	**200**	**320**	<60	**2,560**	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
p-Isopropyltoluene	99876	--	--	--	--	<200	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<80	**80**	<60	**90**	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<740	**290**	<60	**3,390**	<60	<60	<70	<60	<60	<60	<60	<50	<60	<60	<60	<60
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<400	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<200	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<280	<160	<160	<160	<160	<160	<170	<160	<160	<160	<160	<150	<160	<160	<160	<160
Cyclohexane	110827	--	--	--	320 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon																					
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	<300	<300	<300	<300	<300	<300	<300	**800**	<300	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	<300	<300	<300	<300	<300	<300	<300	**1,100**	<300	<300	<300	<300	<300	<300	<300	<300
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	<300	<300	<300	<300	<300	<300	<300	**3,600**	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	<300	<300	<300	<300	<300	<300	<300	**9,200**	<300	<300	<300	<300	<300	**600**	<300	<300
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	<300	<300	<300	<300	<300	<300	<300	**7,800**	<300	<300	<300	<300	<300	**500**	<300	<300
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	**15,700**	<300	<300	<300	<300	<300	**900**	<300	<300
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	**17,400**	<300	<300	<300	<300	<300	**900**	<300	<300
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	<300	<300	<300	<300	<300	<300	<300	**3,000**	<300	<300	<300	<300	<300	**300**	<300	<300
Chrysene	218019	**2.00E+06**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	**10,600**	<300	<300	<300	<300	<300	**600**	<300	<300
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	**600**	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	<300	<300	<300	<300	<300	<300	<300	**26,000**	<300	<300	<300	<300	<300	**1,200**	<300	<300
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	<300	<300	<300	<300	<300	<300	<300	**1,500**	<300	<300	<300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	**2,900**	<300	<300	<300	<300	<300	<300	<300	<300
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	<300	<300	<300	**1,500**	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	**21,900**	<300	<300	<300	<300	<300	**600**	<300	<300
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	<300	<300	<300	<300	<300	<300	<300	**20,500**	<300	<300	<300	<300	<300	**1,000**	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	**600**	<300	<300	<300	<300	<300	<300	<300	<300
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	NA	NA	NA	**29,700**	**6,640**	**7,010**	**6,150**	**7,170**	**6,930**	NA	NA	NA
Total Petroleum Hydrocarbons																					
Diesel Range Organics	--	--	--	--	--	**375,000**	**38,000**	NA	NA	**36,000**	NA	NA	**17,000**	**16,000**	NA	NA	**6,000**	**22,000**	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	**550,000**	**145,000**	NA	NA	<6,000	NA	NA	<6,000	<6,000	NA	NA	<5,000	<6,000	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SST

TABLE 3 - (PAGE 5 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates												
		Ambient Air			Residential	August 2021 - KECK Consulting												
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	SB-35 (6.5-7')	SB-35 (17-17.5')	SB-36 (6.2-6.7')	SB-36 (11.5-12')	SB-37 (7-7.5')	SB-37 (11.5-12')	SB-38 (3.5-4')	SB-38 (6-6.5')	SB-38 (11.5-12')	SB-39 (3.5-4')	SB-39 (7-7.5')	SB-40 (7.5-8')	SB-40 (10-11')
						8/26/2021	8/26/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021	8/27/2021
Volatile Organic Compounds																		
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<60	<60	<60	<60	<60	<60	<70	<60	<60	<60	<70	<60	<70
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<60	<60	<60	<60	<60	<60	<70	<60	<60	<60	<70	<60	<70
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<60	<60	**100**	<60	**1,210**	<60	<70	<60	<60	<60	<70	<60	<70
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<300	<300	**700**	<300	**2,100**	<300	**2,300**	**1,700**	<300	<300	<300	<300	<300
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<60	<60	**2,070**	<60	**6,110**	<60	**5,190**	**2,620**	<60	<60	<70	<60	<70
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<60	<60	**730**	<60	<60	<60	<70	<60	<60	<60	<70	<60	<70
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<60	<60	<130	<60	**110**	<60	**380**	**80**	<60	<60	<70	<60	<70
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<60	<60	**3,520**	<60	<60	<60	<70	**320**	<60	<60	<70	<60	<70
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	<60	<60	**2,050**	<60	**3,890**	<60	**12,970**	**1,970**	<60	<60	<70	<60	<70
p-Isopropyltoluene	99876	--	--	--	--	<100	<100	**700**	<100	**700**	<100	<100	**200**	<100	<100	<100	<100	<100
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<60	<60	**1,440**	<60	**7,780**	<60	<70	<60	<60	<60	<70	<60	<70
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<60	<60	**2,600**	<60	**5,150**	<60	**6,670**	**1,550**	<60	<60	<70	<60	<70
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	**600**	<300	<300	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<160	<160	<160	<160	**100**	<160	<170	<160	<160	<160	<170	<160	<170
Cyclohexane	110827	--	--	--	320 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon																		
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**500**	<300	<300
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	**300**	<300	<300	<300	<300	<300	<300
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Chrysene	218019	**2.00E+06**	ID	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**500**	<300	<300
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	<300	<300	<300	<300	<300	<300	**500**	<300	<300	<300	<300	<300	<300
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**300**	<300	<300
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<300	<300	<300	<300	**400**	<300	<300	<300	<300	<300	**600**	<300	<300
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	<300	<300	<300	<300	<300	<300	**400**	<300	<300	<300	**1,500**	<300	<300
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	<300	<300	<300	<300	<300	<300	**500**	<300	<300	<300	<300	<300	<300
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	**2,300**	<300	<300
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																		
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	**4,830**	**6,950**	**21,400**	**7,000**	NA	**3,500**	NA	**23,600**	**4,960**
Total Petroleum Hydrocarbons																		
Diesel Range Organics	--	--	--	--	--	NA	NA	**208,000**	NA	NA	NA	**1,700,000**	NA	**140,000**	<4,000	**1,444,000**	NA	NA
Gasoline Range Organics	--	--	--	--	--	NA	NA	**470,000**	NA	NA	NA	**3,000,000**	NA	<6,000	<6,000	<7,000	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SST

TABLE 3 - (PAGE 6 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates								
		Ambient Air			Residential	November 2020 - ESGPW								
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	GP1 (9.5-10.0)	GP2 (9.5-10.0)	GP3 (7.5-8.0)	GP3 (11.5-12.0)	GP4 (5.5-6.0)	GP5 (9.5-10.0)	GP6 (6.5-7.0)	GP7 (11.5-12.0)	GP8 (11.5-12.0)
						10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020
Volatile Organic Compounds														
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<80	<60	<60	<70	<50	<60	<60	<600	<70
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<80	<60	<60	<70	<50	<60	<60	<600	<70
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<80	<60	<60	<70	<50	<60	<60	**2,600**	<70
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<400	<300	**400**	<300	<300	<300	<300	<3,000	**2,700**
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<80	<60	**2,300**	**500**	<50	<60	<60	**6,800**	**9,720**
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<80	<60	<60	<70	<50	<60	<60	**11,600**	<70
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<80	<60	<60	<70	<50	<60	<60	<600	**330**
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<80	<60	<60	<70	<50	<60	<60	**39,600**	<70
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	<80	<60	**710**	**90**	<50	<60	<60	**3,900**	**11,380**
p-Isopropyltoluene	99876	--	--	--	--	<200	<100	<100	<100	<100	<100	<100	**4,000**	<100
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<80	<60	<60	<70	<50	<60	<60	**17,700**	<70
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<80	<60	**2,740**	**290**	<50	<60	<60	**7,900**	**13,570**
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<400	<300	**5,400**	**2,100**	<300	<300	<300	**4,000**	<400
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<200	<100	**12,500**	**2,600**	<100	<100	<100	**1,000**	<100
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<280	<160	<160	<170	<150	<160	<160	<1,600	<170
Cyclohexane	110827	--	--	--	320 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbon														
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218019	**2.00E+06**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals														
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	**148**	**457**	<50	<50	<50	**132**	<50	<50	<50
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons														
Diesel Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
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TABLE 3 - (PAGE 7 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates												
		Ambient Air			Residential	April 2014 - EGLE Triage - 10227 Woodward												
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	TSB1 (6-6.5)	TSB2 (6.5-7)	TSB2 (8-8.5)	TSB3 (6-6.5)	TSB4 (19.5-20)	TSB5 (15-15.5)	TSB6 (19.5-20)	TSB7 (10.5-11)	TSB8 (19.5-20)	TSB9 (19.5-20)	TSB10 (11.5-12)	TSB10 (13.5-14)	TSB10 (15.5-16)
						4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014	4/29/2014
Volatile Organic Compounds																		
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<85	<81	<61	<66	<63	<1,500	<62	<81	<61	<64	<1,300	<530	**94**
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<85	<81	<61	<66	<63	<1,500	<62	<81	<61	<64	<1,300	<530	<65
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<85	<81	<61	<66	<63	**9,300**	<62	**370**	<61	<64	**2,600**	<530	**460**
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	<85	<81	<61	**110**	<62	**32,000**	<62	**680**	<61	<64	**9,900**	**3,100**	**310**
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	<85	<81	<61	<66	<63	**88,000**	<62	**1,200**	<61	<64	**27,000**	**9,100**	**740**
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<85	<81	<61	<66	<63	**74,000**	<62	**190**	<61	<64	**28,000**	<530	**120**
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<85	<81	<61	**78**	<63	<1,500	<62	<81	<61	<64	<1,300	<530	<65
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<85	<81	<61	<66	<63	**160,000**	<62	**1,300**	<61	<64	**76,000**	**650**	**3,600**
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	<85	<81	**190**	**1,200**	<63	**24,000**	<62	**710**	<61	<64	**11,000**	**4,000**	**510**
p-Isopropyltoluene	99876	--	--	--	--	<85	<81	<61	<66	<63	**21,000**	<62	**200**	<61	<64	**9,600**	<530	**410**
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<85	<81	<61	<66	<63	<1,500	<62	**270**	<61	<64	<1,300	<530	**520**
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<85	<81	<61	<66	<63	**32,000**	<62	**750**	<61	<64	**15,000**	**5,700**	**820**
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<420	<400	<310	<330	<320	<7,700	<310	<410	<310	<320	<6,600	<2,600	**430**
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<420	<400	<310	<330	<320	<7,700	<310	<410	<310	<320	<6,600	<2,600	<320
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<255	<241	<181	<196	<193	**3,200**	<182	**180**	<181	<194	<4,000	<1,630	**2,050**
Cyclohexane	110827	--	--	--	320 (M) nc	<420	<400	<310	<330	<320	<7,700	<310	<410	<310	<320	<6.600	<2,600	<320
Polynuclear Aromatic Hydrocarbon																		
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218019	**2.00E+06**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																		
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																		
Diesel Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
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TABLE 3 - (PAGE 8 OF 9)
SUMMARY OF SOIL DATA

10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates											
		Ambient Air			Residential	April 2014 - EGLE Triage - 10201 Woodward											
		Direct Contact Criteria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)**	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	ETSB1 (8-8.5')	ETSB1 (12-12.5')	ETSB2 (8-8.5')	ETSB3 (7.5-8')	ETSB4 (10-10.5')	ETSB5 (8-8.5')	ETSB5 (10-10.5')	ETSB6 (6.5-7')	ETSB7 (6.5-7')	ETSB8 (7-7.5')	ETSB9 (10-10.5')	ETSB10 (9-9.5')
						4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014
Volatile Organic Compounds																	
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	<290	**2,800**	**340**	<76	**320**	<74	<69	<75	<66	<62	<71	<76
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	<290	**130**	<290	<76	<64	<74	**78**	<75	<66	<62	<71	<76
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	<290	**1,600**	**880**	<76	**2,600**	<74	<69	<75	**73**	<62	**79**	<76
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	**2,400**	**560**	**4,900**	<76	**2,700**	<74	**170**	<75	<66	<62	**1,800**	**190**
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	**9,400**	**940**	**13,000**	<76	**6,800**	<74	**600**	<75	<66	<62	**11,000**	**960**
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	<290	**210**	<290	<76	**8,800**	<74	<69	<75	<66	<62	<71	<76
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	<290	<65	<290	<76	<64	<74	<69	<75	<66	<62	<71	<76
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	<290	**2,700**	**1,800**	<76	**37,000**	<74	<69	<75	**68**	**84**	<71	<76
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	**7,800**	**390**	**9,400**	<76	**3,300**	<74	**210**	<75	<66	<62	**2,800**	**360**
p-Isopropyltoluene	99876	--	--	--	--	<290	<65	<290	<76	**3,100**	<74	<69	<75	<66	<62	**130**	<76
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	<290	**1,200**	**890**	<76	**12,000**	<74	<69	<75	<66	<62	**96**	<76
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	<290	**440**	**12,000**	<76	**5,600**	<74	**410**	<75	<66	<62	**7,600**	**1,300**
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	<1,500	<320	**1,600**	<380	**3,000**	<370	<340	<380	<330	<310	**430**	<380
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	<1,500	<320	<1,400	<380	**1,300**	<370	<340	<380	<330	<310	**530**	**1,100**
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	<880	**2,700**	**650**	<226	**2,740**	<224	<209	<225	**170**	<182	<241	<226
Cyclohexane	110827	--	--	--	320 (M) nc	<1,500	**3,200**	**2,400**	<380	**970**	<370	<340	<380	<330	<310	<360	<380
Polynuclear Aromatic Hydrocarbon																	
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218019	**2.00E+06**	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																	
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																	
Diesel Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SST

TABLE 3 - (PAGE 9 OF 9)
SUMMARY OF SOIL DATA

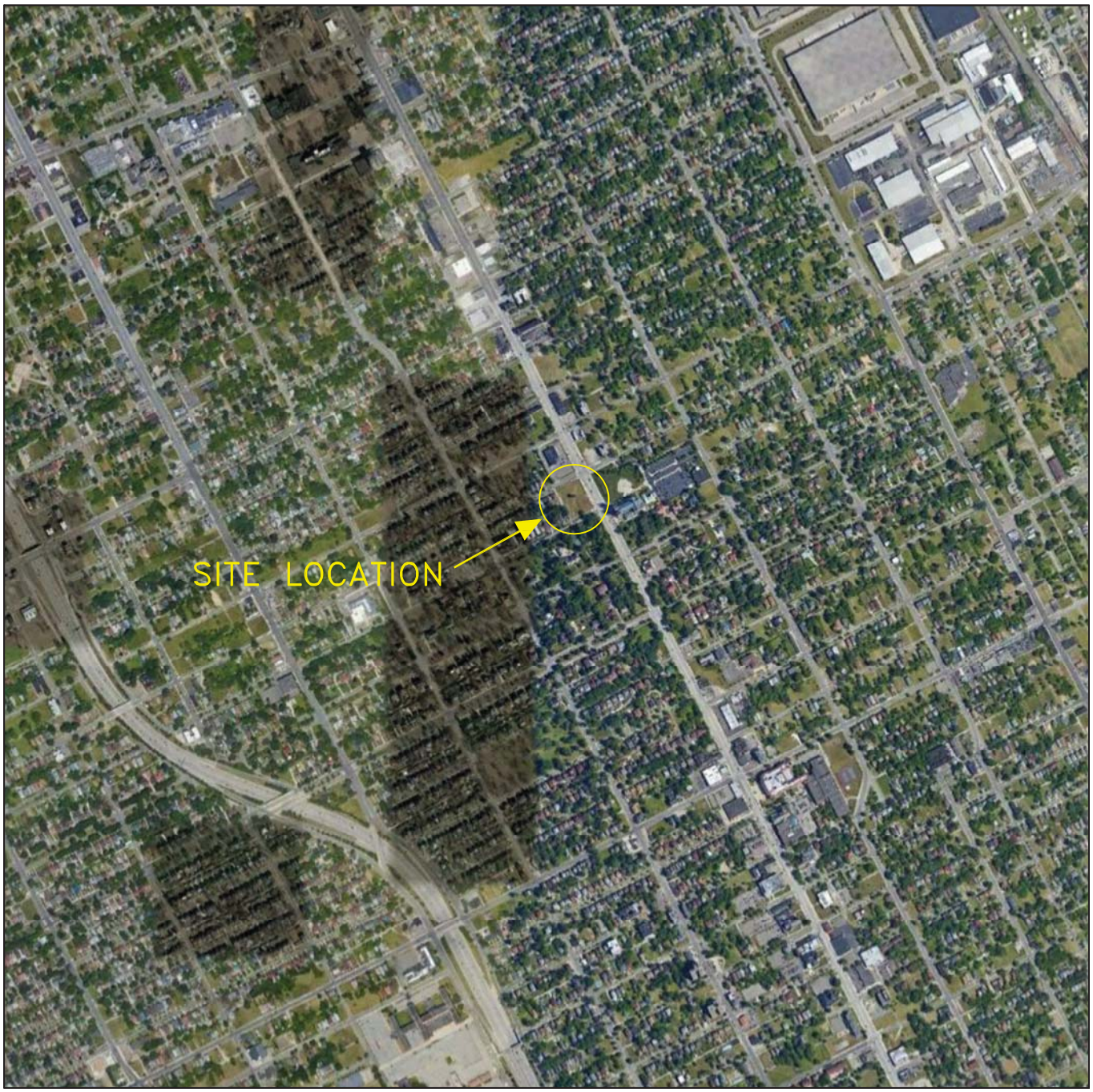
10201 WOODWARD LIMITED DIVIDENDS HOUSING ASSOCIATION LLC
10201 WOODWARD
DETROIT, MICHIGAN

Parameters	Chemical Abstract Service Number	EGLE Part 213 Risked Based Screening Levels (RBSLs), December 30, 2013			Site-Specific Screening Levels* for VIAP	Results (µg/Kg), Sampling Locations, and Dates											
		Ambient Air			Residential	December 2002 - 30 Glynn Court - Excavation											
		Direct Contact Crietria (µg/Kg)	Infinite Source Volatile Soil Inhallation RBSLs (µg/Kg)**	Particulate Soil Inhalation RBSLs (µg/Kg)	Soil SSTLs for slab-on-grade (µg/Kg)	F1 (~5')	F2 (~5')	F3 (~5')	F4 (~5')	F5 (UNK)	F6 (UNK)	F7 (~5')	F8 (~5')	F9 (~5')	F10 (~5')	F11 (~16')	W1 (~8')
						12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/13/2002	12/13/2002
Volatile Organic Compounds																	
Benzene	71432	**1.80E+05**	11,310	380,000,000	1.7 (M) ca	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Toluene	108883	**5.0E+7 (C)**	2,436,000	27,000,000,000	3,700 nc	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	100414	**2.2E+7 (C)**	626,400	10,000,000,000	12 (M) ca	ND	ND	**840**	**820**	**700**	**1,400**	**240**	**80**	ND	<58	<58	<58
Isopropylbenzene	98828	**2.2E+7 (C)**	1,479,000	5,800,000,000	3.8 (M) ca	ND	**7,800**	**1,200**	**5,700**	**2,200**	**2,300**	**390**	**590**	ND	<58	<58	**75**
n-Propylbenezene	103651	**2.5E+06**	ID	1,300,000,000	1,800 (DD) dev	**2,800**	**22,000**	**2,700**	**18,000**	**5,600**	**5,800**	**720**	**180**	ND	**790**	**64**	**260**
1,3,5-Trimethylbenzene	108678	**3.2E+7 (C)**	13,920,000	82,000,000,000	100 (JT) nc	**14,000**	**3,700**	**1,600**	**31,000**	**3,300**	**6,800**	**320**	ND	ND	<58	**270**	**400**
tert-Butylbenzene	98066	**2.5E+06**	ID	670,000,000	0.64 (M) nc	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	95636	**3.2E+7 (C)**	18,270,000	82,000,000,000	150 (JT) nc	**40,000**	**150,000**	**8,000**	**97,000**	**11,000**	**14,000**	**1,600**	**270**	ND	**610**	**790**	**12,000**
sec-Butylbenzene	135988	**2.5E+06**	ID	400,000,000	3,800 nc	**2,900**	**17,000**	**1,700**	**15,000**	**3,000**	**4,400**	**370**	**2,000**	ND	**1,000**	<58	**170**
p-Isopropyltoluene	99876	--	--	--	--	**4,000**	**17,000**	**990**	**11,000**	**1,200**	**2,500**	**180**	**120**	ND	<58	**91**	<58
1,2,3-Trimethylbenzene	52673	--	--	--	270 (JT) nc	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	104518	**2.5E+06**	ID	2,000,000,000	560 (nc)	ND	**30,000**	**2,600**	**22,000**	**3,500**	**6,900**	**420**	**2,800**	**90**	**780**	<58	<58
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	**3,000**	ND	**540**	ND	**740**	**960**	ND	**1,200**	ND	<290	<290	<290
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Xylenes	1330207	**4.1E+8 (C)**	40,020,000	290,000,000,000	280 (J) nc	ND	ND	**350**	**3,340**	**510**	**1,090**	**86**	ND	ND	<178	<178	<178
Cyclohexane	110827	--	--	--	320 (M) nc	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Polynuclear Aromatic Hydrocarbon																	
Acenaphthene	83329	**4.1E+7**	70,470,000	14,000,000,000	210,000 nc	NA	NA	NA	NA	NA	NA	NA	NA	NA	<120	<120	<110
Acenaphthylene	208968	**1.60E+06**	1,914,000	2,300,000,000	DATA	**360**	**750**	**220**	**1,400**	ND	ND	ND	ND	ND	<120	<120	<110
Anthracene	120127	**2.30E+8**	1,218,000,000	67,000,000,000	13,000,000 nc	ND	**560**	ND	ND	ND	ND	ND	ND	ND	<120	<120	<110
Benzo(a)anthracene	56553	**20,000**	NLV	ID	160,000 (MM) mut	**130**	ND	ND	ND	ND	ND	ND	**140**	**180**	**330**	**200**	<110
Benzo(a)pyrene	50328	**2,000**	NLV	1,500,000	NA	**370**	ND	ND	ND	ND	ND	ND	ND	ND	<230	**410**	<230
Benzo(b)fluoranthene	205992	**20,000**	ID	ID	NA	**2,000**	230	ND	ND	ND	ND	ND	ND	ND	**410**	<230	<230
Benzo(k)fluoranthene	207089	**2.00E+05**	NLV	ID	NA	**150**	ND	ND	ND	ND	ND	ND	ND	ND	**320**	<230	<230
Benzo(ghi)perylene	191242	**2.50E+06**	NLV	800,000,000	NA	**460**	ND	ND	ND	ND	ND	ND	ND	ND	**280**	<230	<230
Chrysene	218019	**2.00E+06**	ID	ID	NA	**360**	ND	ND	ND	ND	ND	ND	ND	ND	**340**	**200**	<110
Dibenzo(ah)anthracene	53703	**2,000**	NLV	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206440	**4.60E+7**	870,000,000	9,300,000,000	NA	**2,900**	**950**	ND	**10,000**	ND	ND	ND	**340**	**490**	**700**	**330**	<110
Fluorene	86737	**2.70E+7**	113,100,000	9,300,000,000	470,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	<120	<120	<110
Indeno(1,2,3-cd)pyrene	193395	**20,000**	NLV	ID	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**280**	<230	<230
Naphthalene	91203	**1.60E+7**	261,000	200,000,000	67 (M) ca	ND	ND	ND	ND	**250**	**660**	ND	**360**	ND	<120	<120	<110
Phenanthrene	85018	**1.60E+06**	139,200	6,700,000	1,700 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	**260**	**310**	<110
Pyrene	129000	**2.90E+7**	565,500,000	6,700,000,000	25,000,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	**680**	**420**	<110
2-Methylnaphthalene	91576	**8.10E+06**	1,305,000	670,000,000	1,700 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	<290	<290	<280
1-Methylnaphthalene	90120	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																	
Mercury (Total)	7439-97-6	**1.60E+05**	41,760	48,000	22 (M) nc	**70**	ND	ND	ND	ND	ND	ND	ND	**140**	**140**	**50**	**50**
Lead	7439-92-1	**400,000**	NLV	100,000,000	NA	**12,000**	**6,000**	**8,000**	**8,000**	**7,000**	**7,000**	**8,000**	**6,000**	**7,000**	**17,000**	**9,000**	**10,000**
Total Petroleum Hydrocarbons																	
Diesel Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold indicates detection
Yellow highlight indicates detections above Residential Site-Specific Target Levels (SSTLs)
BDL - Below applicable laboratory detection limit
-- = No RBSLs or SSTL established by EGLE
NA - Not analyzed or RBLS or SSTL or value is not available
Refer to R 299.49 Footnotes for Risked Based Screening Levels Table for definitions of footnotes and abbreviations associated with EGLE Part 201
* = Site-Specific Target Levels for volatilization to indoor air parthway (VIAP) provided by EGLE in December 15, 2021 Memo.
Refer to December 15, 2021 Site-Specific Target Levels for VIAP EGLE Memo for definitions of footnotes and abbreviations assoicated with the SST

FIGURES

Figure 1 – Site Location Map
Figure 2 – Base Map and Site Plan
Figure 3 – Borings, Wells, and Sample Locations
Figure 4 – Soil Quality
Figure 5A – Cross Section A-A'
Figure 5B – Cross Section B-B '-
Figure 5C – Cross Section C-C'
Figure 5D – Cross Section D-D'
Figure 5E – Cross Section E-E'
Figure 6 – RBCA – Exposure Evaluation Flow Chart
Figure 7 – LNAPL Conceptual Site Model
Figure 8 – Proposed Area of Corrective Action Activities and Extent of Excavation



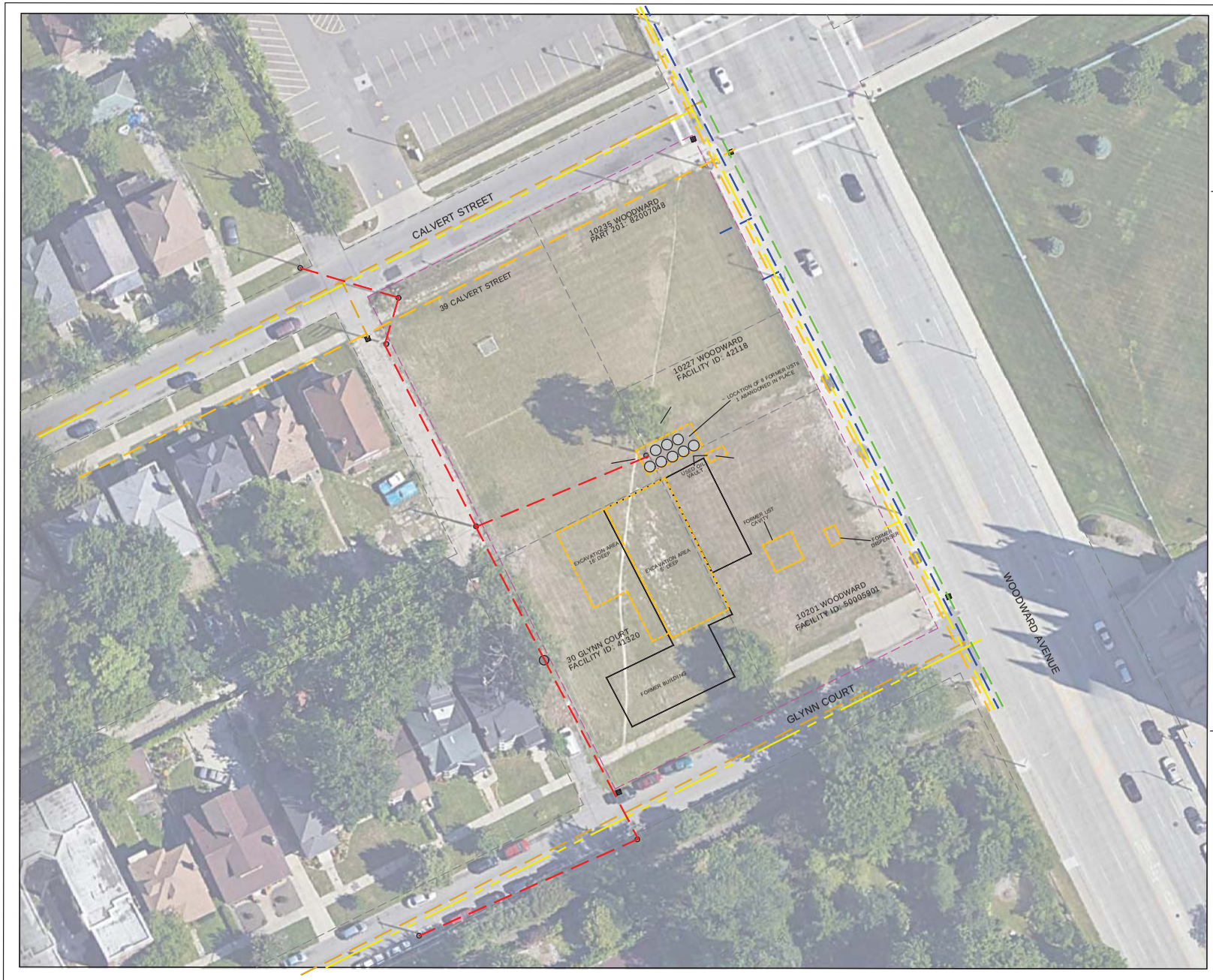
One inch equals approximately 700 feet

Wayne County MI

FIGURE 1
SITE LOCATION MAP

10201 & 10227 WOODWARD
AND 30 GLYNN COURT
WAYNE COUNTY
CITY OF DETROIT, MICHIGAN

Adapted from Google Earth, 2017



N

0 50 100

APPROXIMATE SCALE

FIGURE 2

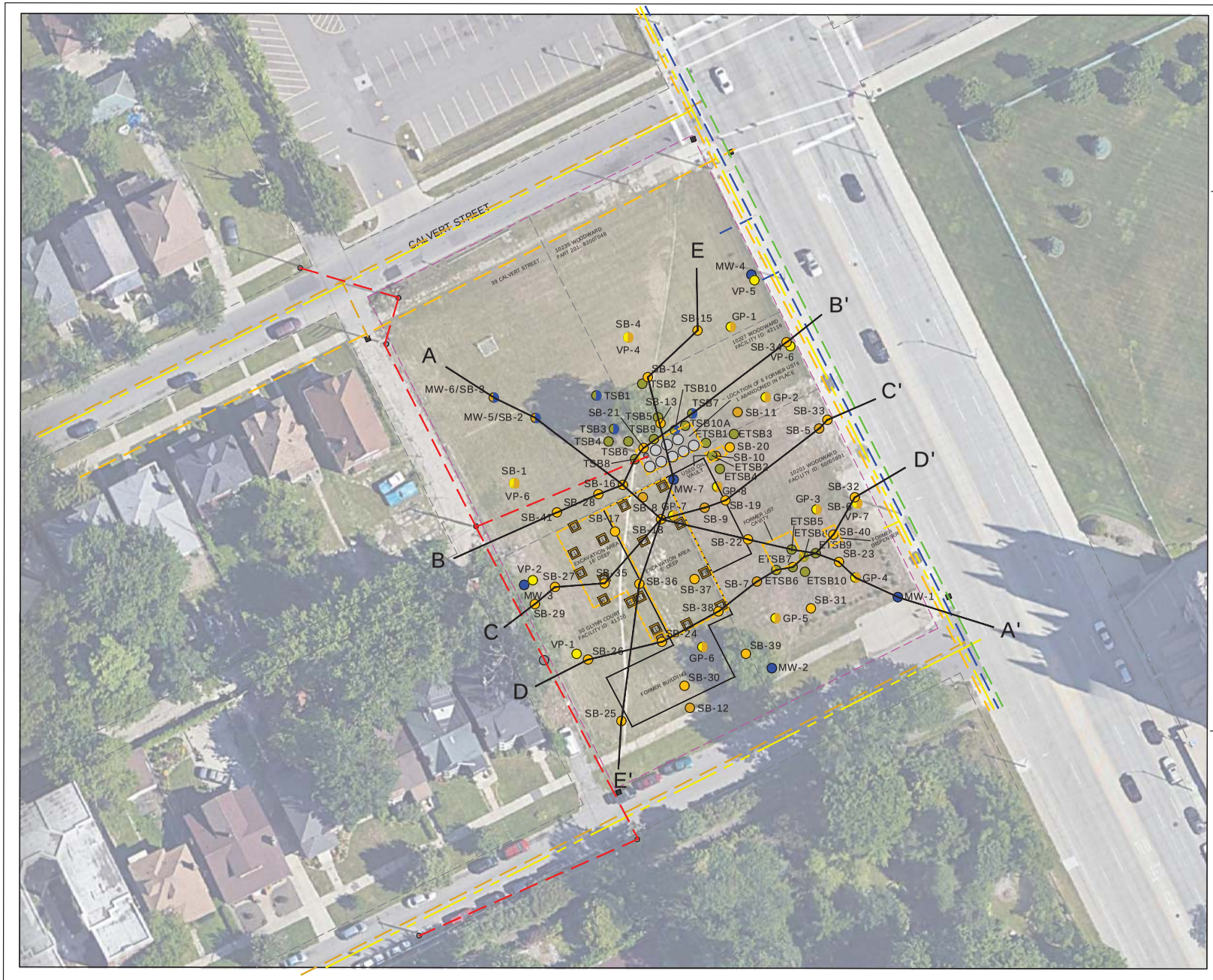
LEGEND

- NATURAL GAS UTILITY
- TELECOM UTILITY
- OVERHEAD ELECTRICAL UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER

FIGURE 2
BASE MAP AND SITE PLAN

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

0 50 100

APPROXIMATE SCALE

FIGURE 3

LEGEND

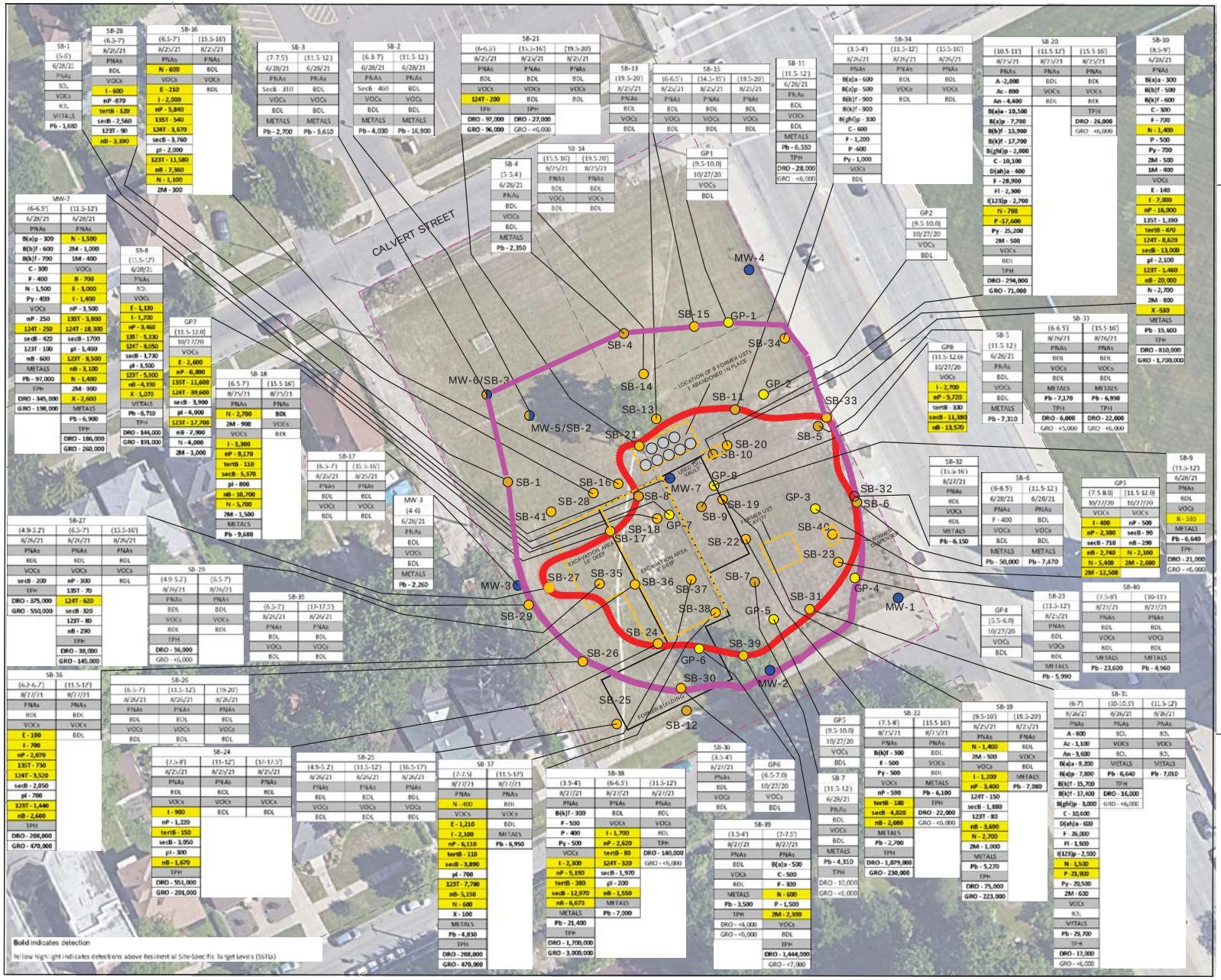
- MONITOR WELL LOCATION
- SOIL BORING LOCATION
- SOIL VAPOR PROBE LOCATION
- TRIAGE SOIL BORING LOCATION
- TRIAGE TEMP WELL LOCATION
- EXCAVATION VERIFICATION SAMPLES
- NATURAL GAS UTILITY
- TELECOM UTILITY
- OVERHEAD ELECTRICAL UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- HYDROGEOLOGIC CROSS SECTION

FIGURE 3

BORINGS, WELLS AND SAMPLE LOCATIONS

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

0 50 100

APPROXIMATE SCALE

FIGURE 4

LEGEND

- MONITOR WELL LOCATION
- SOIL BORING LOCATION
- TRIAGE SOIL BORING LOCATION
- EXTENT OF SOIL CONTAMINATION
- EXTENT OF RESIDUAL NAPL

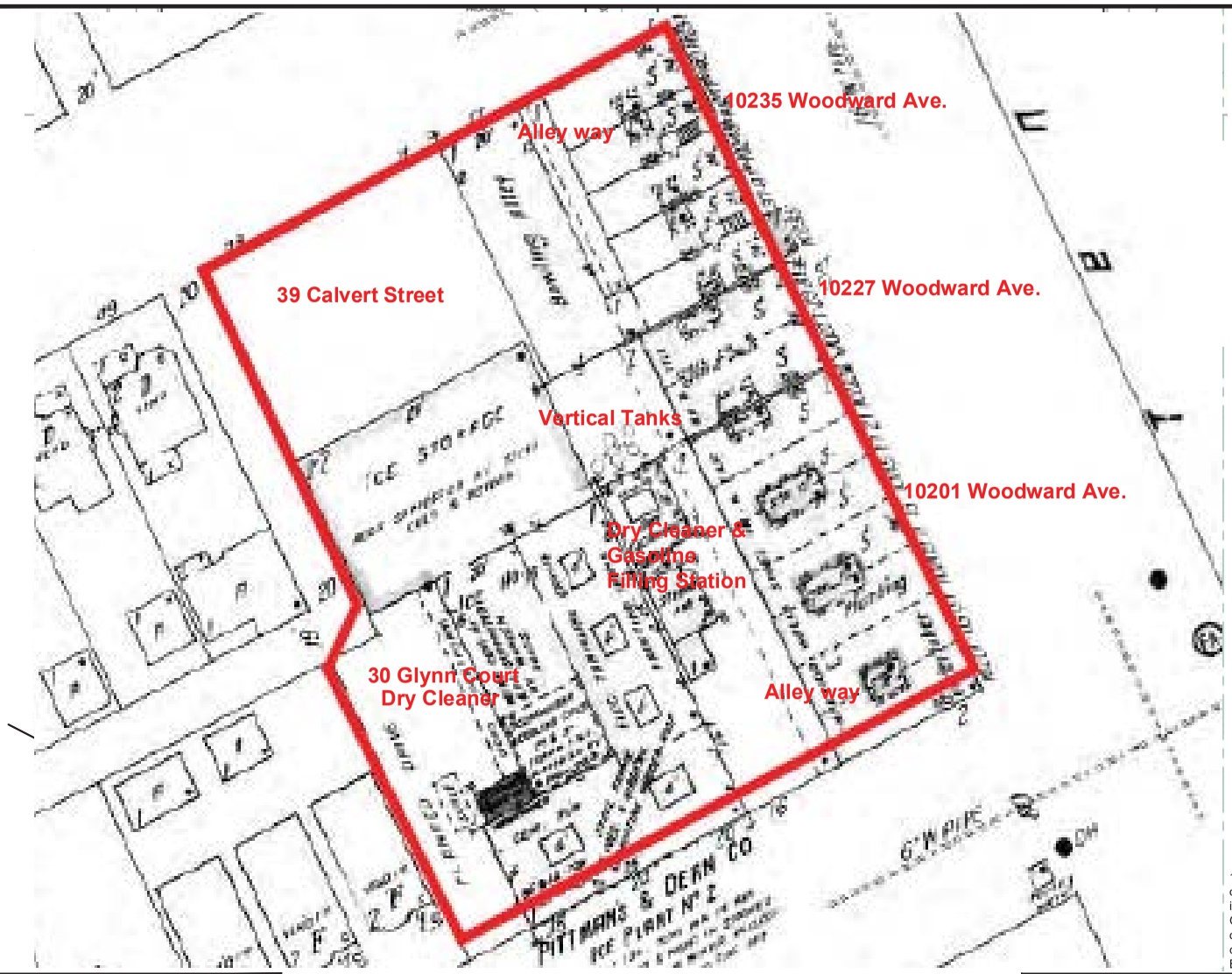
SB-10	Boring ID
(8.5-9)	Sample Interval
6/28/21	Sample Date
PNAs	Polynuclear Aromatic Hydrocarbon
B(a)a	Benzo(a)anthracene
B(a)p	Benzo(a)pyrene
B(b)f	Benzo(b)fluoranthene
B(k)f	Benzo(k)fluoranthene
C	Chrysene
F	Fluoranthene
N	Naphthalene
P	Phenanthrene
Py	Pyrene
2M	2-Methylnaphthalene
1M	1-Methylnaphthalene
BDL	Below Detection Limit
VOCs	Volatile Organic Compounds
B	Benzene
E	Ethylbenzene
I	Isopropylbenzene
nP	n-Propylbenzene
135T	1,3,5-Trimethylbenzene
tertB	tert-Butylbenzene
124T	1,2,4-Trimethylbenzene
secB	sec-Butylbenzene
pI	p-Isopropyltoluene
123T	1,2,3-Trimethylbenzene
nB	n-Butylbenzene
N	Naphthalene
2M	2-Methylnaphthalene
X	Total Xylenes
Cy	Cyclohexane
METALS	Metals
Pb	Lead
TPH	Total Petroleum Hydrocarbons
DRO	Diesel Range Organics
GRO	Gasoline Range Organics

FIGURE 4

SOIL DATA, EXTENT OF SOIL CONTAMINATION & EXTENT OF LNAPL

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



10' 30'

LEGEND

10227 Woodward Tanks are shown in the center of the diagram with the10201 dry cleaner building immediately below, and the former ice plant at 30 Glynn Court. The ice plant would later become a dry cleaner facility and the 10201 Woodward cleaner would later become a filling station. Buildings fronting Woodward are across an alley.

ESGW

ENVIRONMENTAL SERVICES
18640 MACK AVENUE NO. 1029
GROSSE POINTE WOODS, MICHIGAN 48236

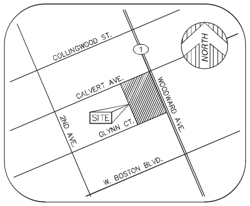
10201 Woodward Limited Dividend Housing Association, LLC

DATE: SEPTEMBER 2022
JOB NO.: 21-028

FIGURE 4A -1925 Sanborn Property Map

of the 10201 and 10227 WOODWARD AVE and 30 GLYNN CT

DETROIT, MICHIGAN



VICINITY MAP
(NOT TO SCALE)

PARKING
NO MARKED PARKING ON SITE.

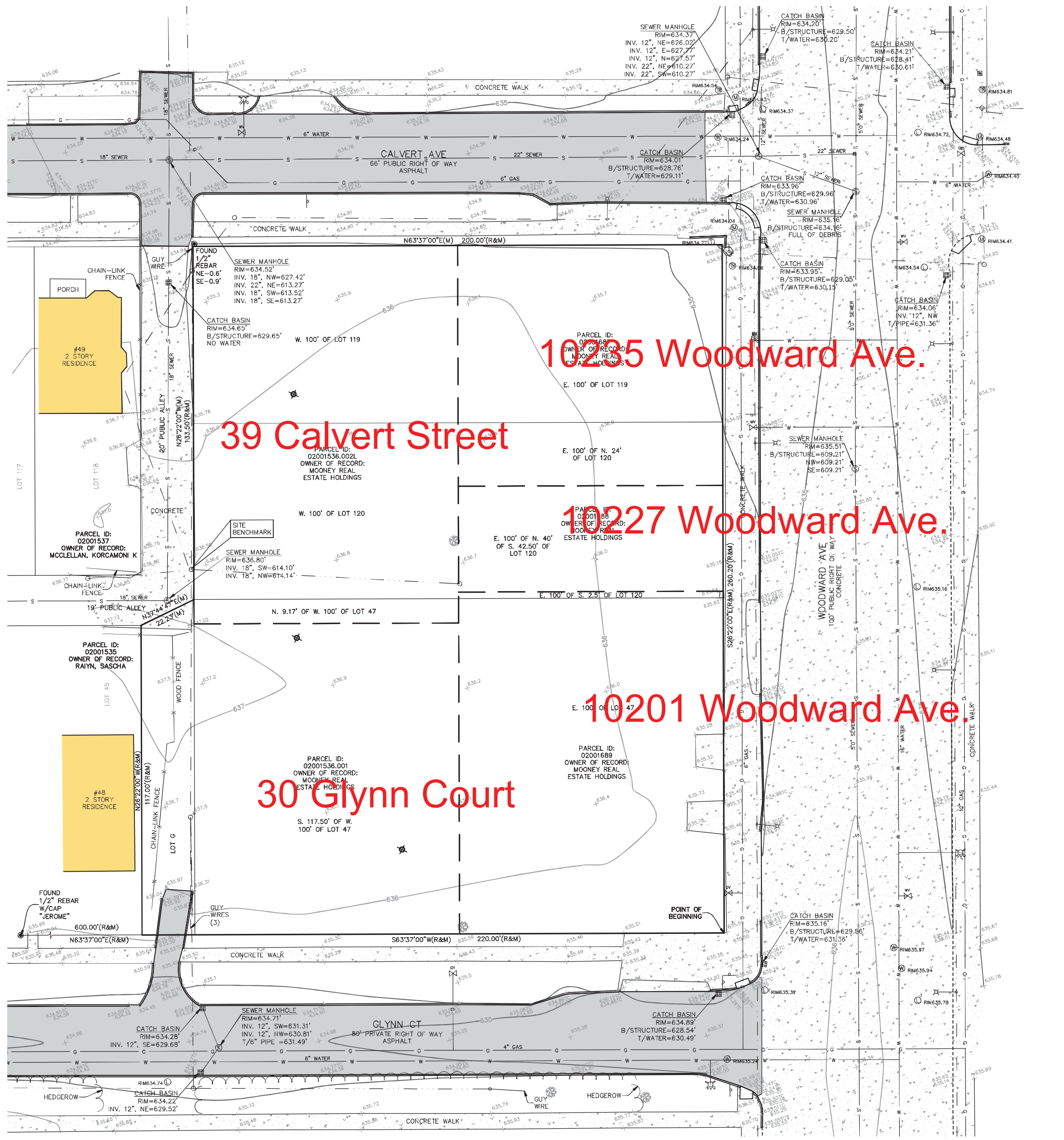
PARCEL AREA
54,477± SQUARE FEET = 1.25± ACRES

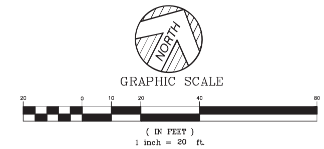
BASIS OF BEARING
NORTH 26°22'00" WEST, BEING THE WESTERLY RIGHT OF WAY OF WOODWARD AVE. AS PLATTED.

BENCHMARK
SITE BENCHMARK
MAG NAIL IN NE FACE OF UTILITY POLE.
ELEVATION = 638.26' (NAVD 88 DATUM)

LEGEND
(R&M) RECORD AND MEASURED DIMENSION
(R) RECORD DIMENSION
(M) MEASURED DIMENSION

- FOUND MONUMENT (AS NOTED)
- RECORD AND MEASURED DIMENSION
- RECORD DIMENSION
- MEASURED DIMENSION
- GROUND ELEVATION
- UTILITY POLE
- GAS VALVE
- LIGHT POLE WITH STREET LAMP
- PUBLIC LIGHTING MANHOLE
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- TRAFFIC SIGNAL CONTROL BOX
- SANITARY MANHOLE
- HAND HOLE
- SQUARE CATCH BASIN
- FIRE HYDRANT
- WATER GATE MANHOLE
- WATER VALVE
- UNKNOWN MANHOLE
- SINGLE POST SIGN
- SOIL BORING
- DECIDUOUS TREE (AS NOTED)
- PARCEL BOUNDARY LINE
- PLATTED LOT LINE
- BUILDING
- CONCRETE CURB
- RAISED CONCRETE
- EDGE OF CONCRETE (CONC.)
- EDGE OF ASPHALT (ASPH.)
- FENCE (AS NOTED)
- TREE / BRUSH LINE (AS NOTED)
- OVERHEAD UTILITY LINE
- GAS LINE
- SEWER LINE
- WATER LINE
- MINOR CONTOUR LINE
- MAJOR CONTOUR LINE
- BUILDING AREA
- ASPHALT
- CONCRETE





PROPERTY DESCRIPTION
COMMITMENT NO. 704268
10201 WOODWARD 4% LIMITED DIVIDEND HOUSING ASSOCIATION, LLC
(4% APPLICATION)

THE LAND SITUATED IN THE CITY OF DETROIT, COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

LOTS 119 AND 120, VOIGT PARK SUBDIVISION, AS RECORDED IN LIBER 22, PAGE 94 OF PLATS, WAYNE COUNTY RECORDS. ALSO, LOTS 47 AND "G", ATKINSON'S SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 82 OF PLATS, WAYNE COUNTY RECORDS.

ROOM NUMBERS: 301, 302, 303, 305, 307, 308, 311, 313, 315, 317, 319, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 4TH FLOOR HALLWAY NORTH–SOUTH, 4TH FLOOR HALLWAY EAST–WEST, 4TH FLOOR SOUTH–EAST STAIRWELL, 4TH FLOOR HALLWAY STAIRWELL NORTH–WEST.

COMMITMENT NO. 704268a
10201 WOODWARD LIMITED DIVIDEND HOUSING ASSOCIATION, LLC
(9% APPLICATION)

THE LAND SITUATED IN THE CITY OF DETROIT, COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

LOTS 119 AND 120, VOIGT PARK SUBDIVISION, AS RECORDED IN LIBER 22, PAGE 94 OF PLATS, WAYNE COUNTY RECORDS. ALSO, LOTS 47 AND "G", ATKINSON'S SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 82 OF PLATS, WAYNE COUNTY RECORDS.

ROOM NUMBERS: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 1ST FLOOR HALLWAY EAST–WEST, 1ST FLOOR HALLWAY NORTH–SOUTH, 1ST FLOOR STAIRWELL SOUTH–EAST, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 2ND FLOOR HALLWAY EAST–WEST, 2ND FLOOR HALLWAY NORTH–SOUTH, 2ND FLOOR STAIRWELL SOUTH–EAST, 2ND FLOOR STAIRWELL NORTH–WEST, 304, 306, 309, 310, 312, 314, 316, 318, 3RD FLOOR HALLWAY EAST–WEST, 3RD FLOOR HALLWAY NORTH–SOUTH, 3RD FLOOR STAIRWELL SOUTH–EAST, 3RD FLOOR STAIRWELL NORTH–WEST.

COMMITMENT NO. 704268b
10201 WOODWARD MM, LLC (COMMERCIAL AND MM ENTITY)

THE LAND SITUATED IN THE CITY OF DETROIT, COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

LOTS 119 AND 120, VOIGT PARK SUBDIVISION, AS RECORDED IN LIBER 22, PAGE 94 OF PLATS, WAYNE COUNTY RECORDS. ALSO, LOTS 47 AND "G", ATKINSON'S SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 82 OF PLATS, WAYNE COUNTY RECORDS.

ROOM NUMBERS: 117, 118, 1ST FLOOR STAIRWELL NORTH–WEST.

COMBINED PROPERTY DESCRIPTION
LAND SITUATED IN THE CITY OF DETROIT, COUNTY OF WAYNE, STATE OF MICHIGAN, DESCRIBED AS:

LOTS 199 AND 120, VOIGT PARK SUBDIVISION, AS RECORDED IN LIBER 22, PAGE 94 OF PLATS, WAYNE COUNTY RECORDS. ALSO LOTS 47 AND "G", ATKINSON'S SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 82 OF PLATS, WAYNE COUNTY RECORDS. BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 47, ALSO BEING THE INTERSECTION OF THE SOUTHWESTERLY RIGHT OF WAY LINE OF WOODWARD AVENUE WITH THE NORTHWESTERLY RIGHT OF WAY LINE OF GLYNN COURT; THENCE ALONG SAID NORTHWESTERLY RIGHT OF WAY LINE, ALSO BEING THE SOUTHEASTERLY LINE OF SAID LOT 47 AND SAID LOT "G", SOUTH 63 DEGREES 37 MINUTES 00 SECONDS WEST, 220.00 FEET TO THE SOUTHWEST CORNER OF SAID LOT "G"; THENCE ALONG THE SOUTHWESTERLY LINE OF SAID LOT "G", NORTH 26 DEGREES 22 MINUTES 00 SECONDS WEST, 117.00 FEET TO THE NORTHWEST CORNER OF SAID LOT "G"; THENCE ALONG THE NORTHWESTERLY LINE OF SAID LOT "G", NORTH 37 DEGREES 44 MINUTES 47 SECONDS EAST, 22.23 FEET TO THE NORTHEAST CORNER OF LOT "G", SAID POINT ALSO BEING THE SOUTHWEST CORNER OF SAID LOT 120; THENCE ALONG THE SOUTHWESTERLY LINE OF SAID LOT 120 AND SAID LOT 119, NORTH 26 DEGREES 22 MINUTES 00 SECONDS WEST, 133.50 FEET TO THE NORTHWEST CORNER OF SAID LOT 119, ALSO BEING A POINT ON THE SOUTHEASTERLY RIGHT OF WAY LINE OF CALVERT AVENUE; THENCE ALONG SAID SOUTHEASTERLY RIGHT OF WAY LINE, ALSO BEING THE NORTHWESTERLY LINE OF SAID LOT 19, NORTH 63 DEGREES 37 MINUTES 00 SECONDS EAST, 200.00 FEET TO THE NORTHEAST CORNER OF SAID LOT 119, ALSO BEING A POINT ON THE SOUTHWESTERLY RIGHT OF WAY LINE OF WOODWARD AVENUE; THENCE ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE, ALSO BEING THE NORTHEASTERLY LINE OF SAID LOTS 119, 120, AND 47, SOUTH 26 DEGREES 22 MINUTES 00 SECONDS EAST, 260.20 FEET TO THE POINT OF BEGINNING. CONTAINING 54,477 SQUARE FEET OR 1.25 ACRES MORE OR LESS.

TITLE REPORT NOTE
ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE CINNAIRE TITLE SERVICES, LLC COMMITMENT Nos. 704268a, 704268b, AND 704268 DATED AUGUST 01, 2020, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

NO SPECIFIC EASEMENTS LISTED.

SURVEYOR'S NOTE
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

SURVEYOR'S CERTIFICATION
TO MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY; 10201 WOODWARD 4% LIMITED DIVIDEND HOUSING ASSOCIATION, LLC (4% APPLICATION); 10201 WOODWARD LIMITED DIVIDEND HOUSING ASSOCIATION, LLC (9% APPLICATION); 10201 WOODWARD MM, LLC (COMMERCIAL AND MM ENTITY); CINNAIRE TITLE SERVICES, LLC; AND OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDED ITEMS 2, 4, 5, 7A, 8, 9, AND 11 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 24, 2020.

DATE OF PLAT OR MAP: AUGUST 26, 2020

ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSycko@kemtec-survey.com

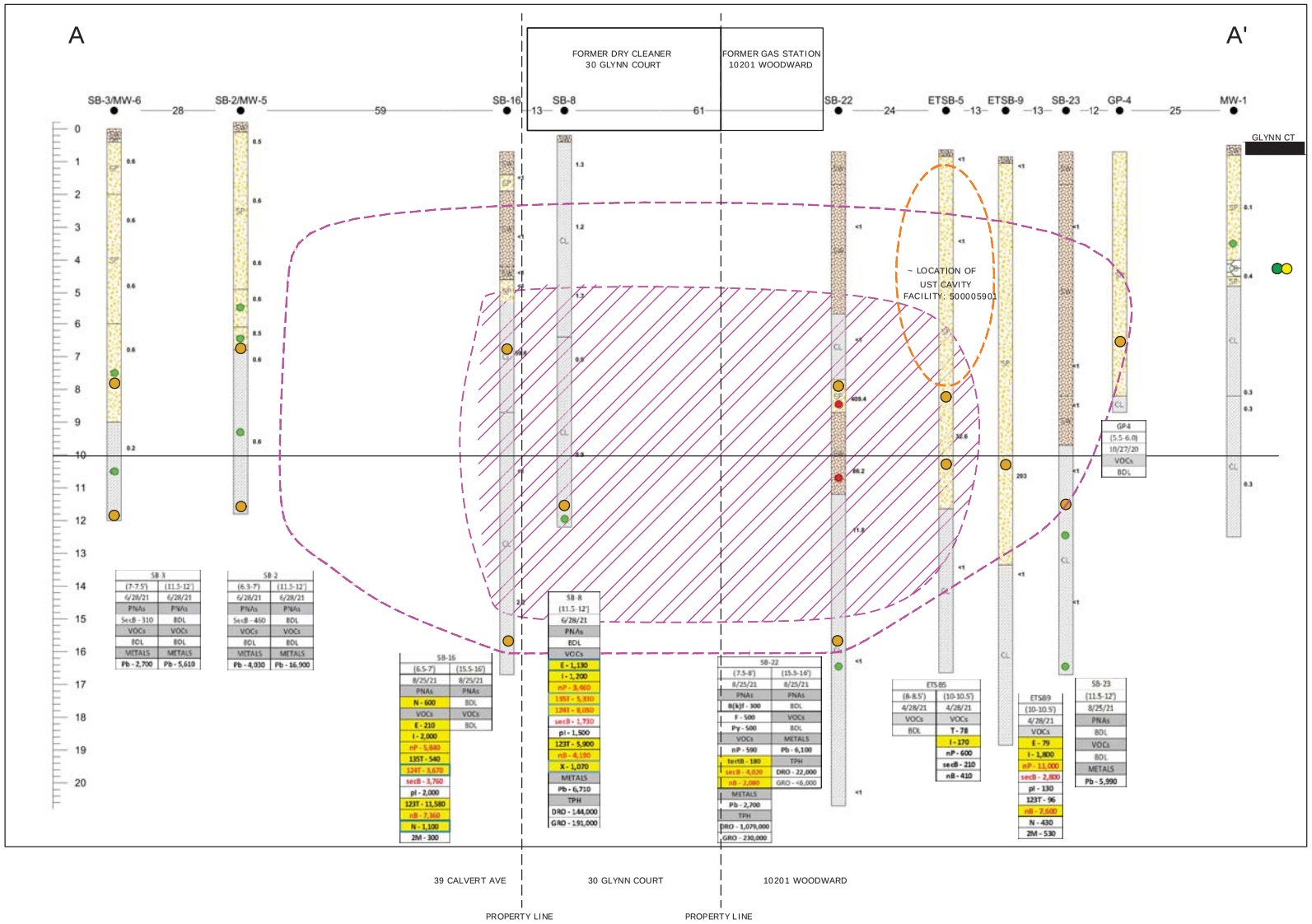
KEM-TEC
A GROUP OF COMPANIES
PROFESSIONAL ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES
Eastpointe (800) 295.7222
Detroit (313) 758.0677
Ann Arbor (734) 994.0888
Grand Blanc (888) 694.0001
www.kemtecagroupofcompanies.com

ALTA / NSPS LAND TITLE SURVEY
PREPARED FOR: MHT HOUSING, INC.
10201 WOODWARD AVE., DETROIT, MICHIGAN,
PART OF 1/4 SECTION 36,
10,000 ACRE TRACT

REVISION	DATE	BY	DESCRIPTION
2	06/07/22	MRJ	ADDED COMBINED PROPERTY DESCRIPTION
1	08/27/20	JDM	REVISED PER ADDITIONAL TITLE WORK

DRAWN BY: JDM/MRJ 08/26/20
CHECKED BY: ATS 08/26/20
DATE: AUGUST 26, 2020
PROJECT NO: 20-01809 SCALE: 1" = 20'

4B
1 OF 1 SHEETS



N

NOT TO SCALE

FIGURE 5A

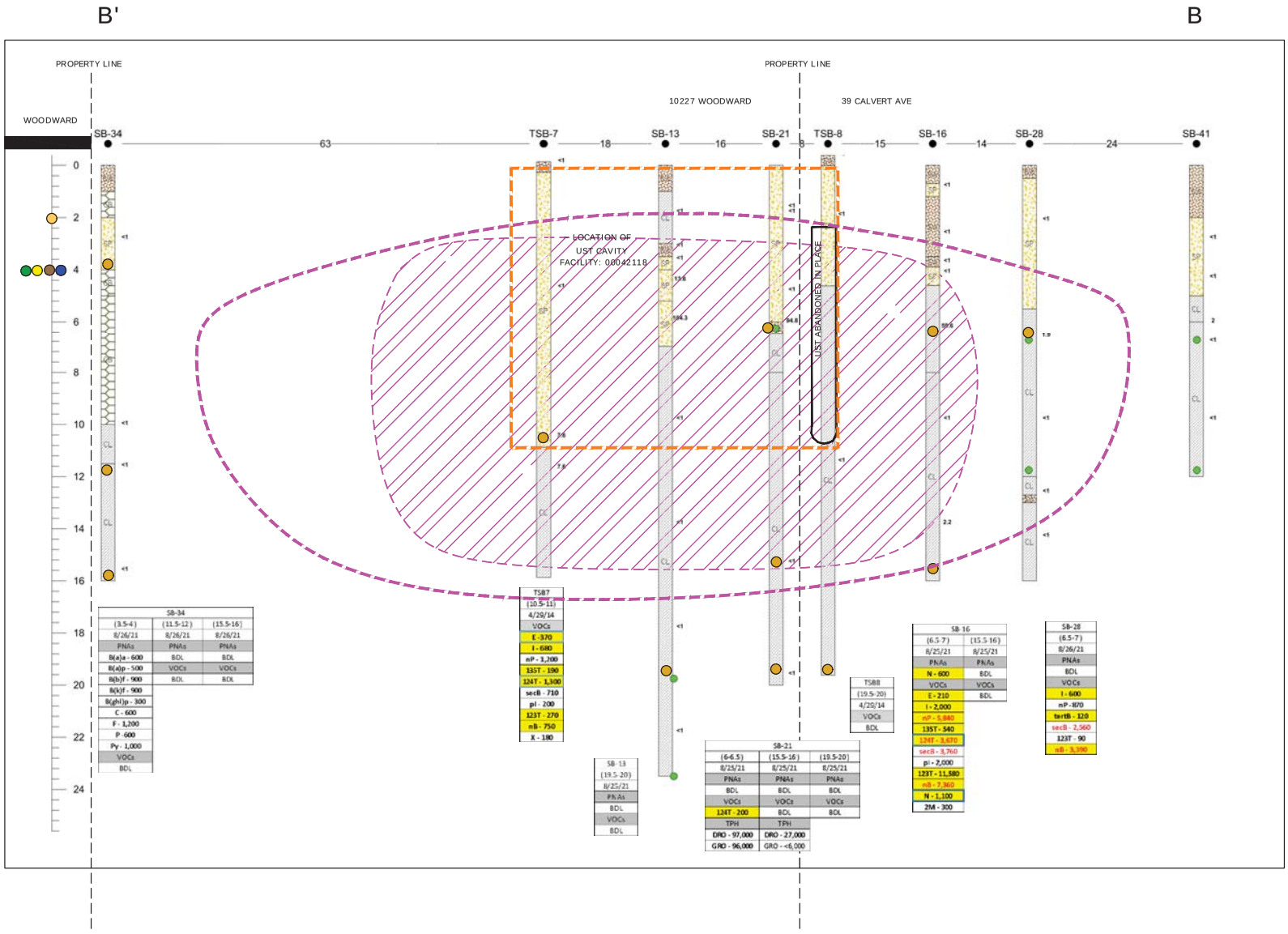
LEGEND

- OIL-IN-SOIL TEST KIT - <500 ppm
- OIL-IN-SOIL TEST KIT - >500 ppm
- SOIL SAMPLE LOCATION
- <1 - PID DETECTION
- ~ EXTENT OF SOIL CONTAMINATION
- ~ EXTENT OF RESIDUAL NAPL
- TELECOM UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- GAS UTILITY

FIGURE 5A
CROSS SECTION A to A'

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

NOT TO SCALE

FIGURE 5B

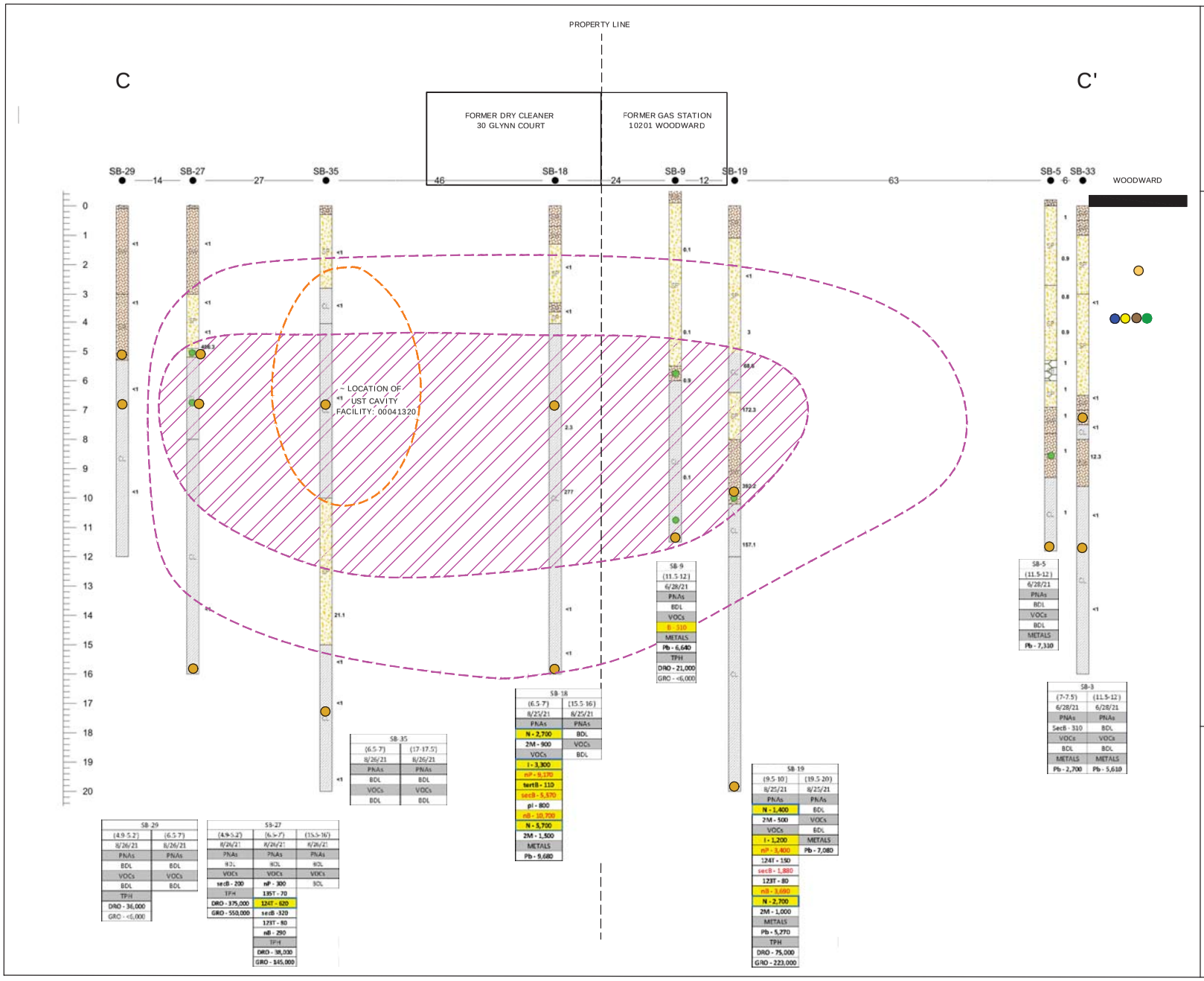
LEGEND

- OIL-IN-SOIL TEST KIT - <500 ppm
- OIL-IN-SOIL TEST KIT - >500 ppm
- SOIL SAMPLE LOCATION
- <1 - PID DETECTION
- ~ EXTENT OF SOIL CONTAMINATION
- ~ EXTENT OF RESIDUAL NAPL
- TELECOM UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- GAS UTILITY

FIGURE 5B
CROSS SECTION B to B'

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

NOT TO SCALE

FIGURE 5C

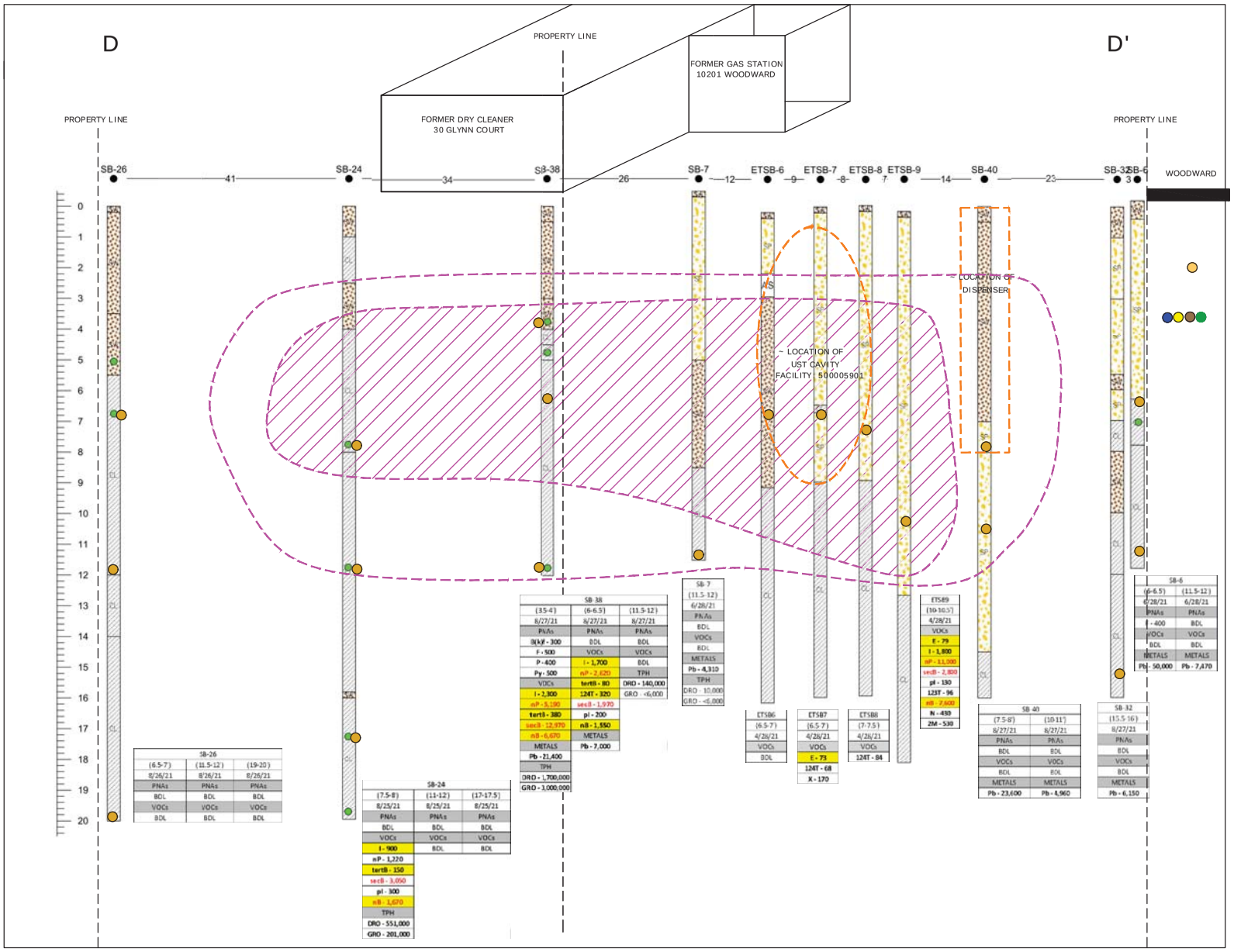
LEGEND

- OIL-IN-SOIL TEST KIT - <500 ppm
- OIL-IN-SOIL TEST KIT - >500 ppm
- SOIL SAMPLE LOCATION
- <1 - PID DETECTION
- ~ EXTENT OF SOIL CONTAMINATION
- ~ EXTENT OF RESIDUAL NAPL
- TELECOM UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- GAS UTILITY

FIGURE 5C
CROSS SECTION C to C'

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

NOT TO SCALE

FIGURE 5D

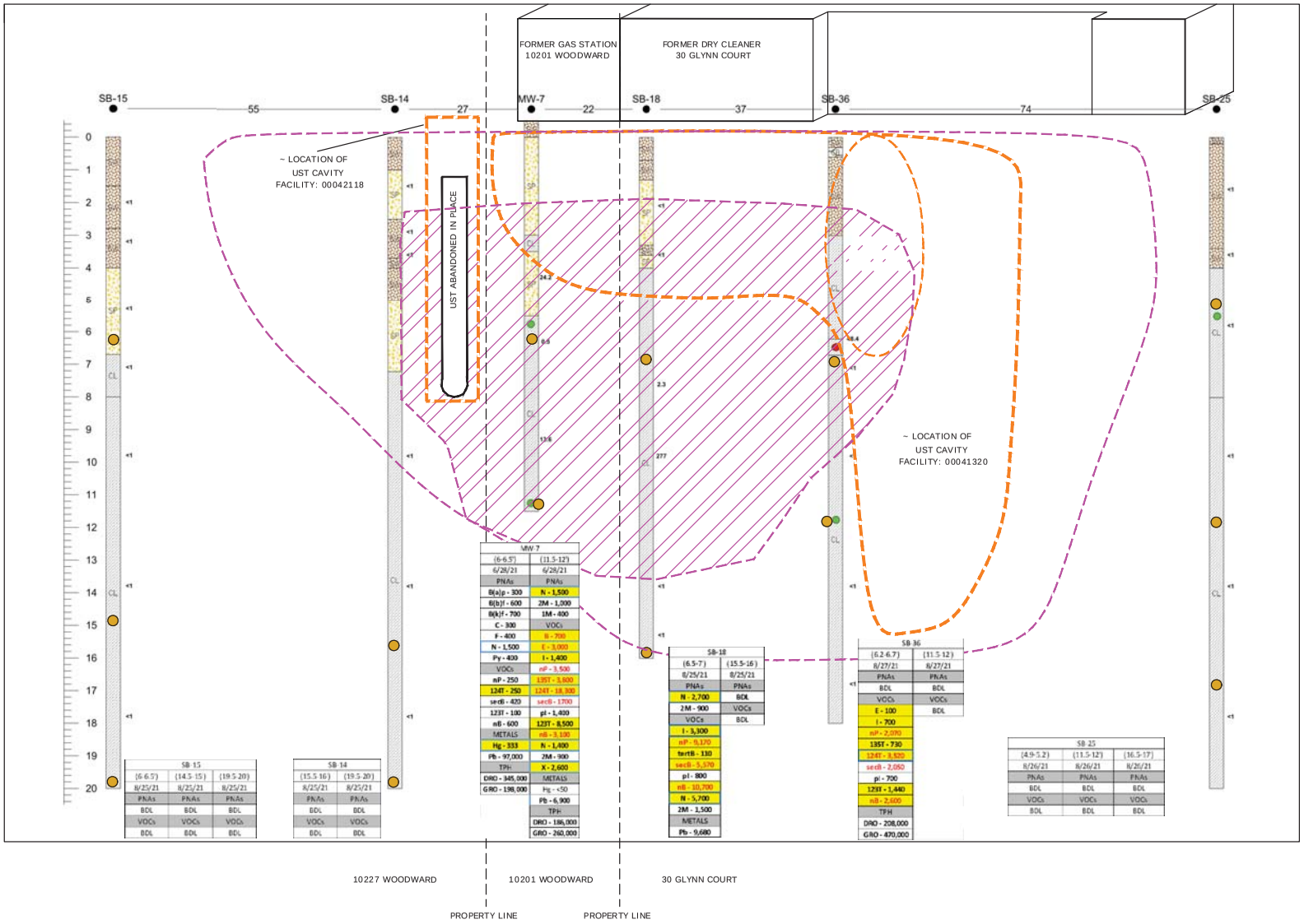
LEGEND

- OIL-IN-SOIL TEST KIT - <500 ppm
- OIL-IN-SOIL TEST KIT - >500 ppm
- SOIL SAMPLE LOCATION
- <1 - PID DETECTION
- ~ EXTENT OF SOIL CONTAMINATION
- ~ EXTENT OF RESIDUAL NAPL
- TELECOM UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- GAS UTILITY

FIGURE 5D
CROSS SECTION D to D'

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



SB-15		
(6-6.5')	(14.5-15)	(19.5-20)
8/25/21	8/25/21	8/25/21
PNAs	PNAs	PNAs
BDL	BDL	BDL
VOCs	VOCs	VOCs
BDL	BDL	BDL

SB-14	
(15.5-16)	(19.5-20)
8/25/21	8/25/21
PNAs	PNAs
BDL	BDL
VOCs	VOCs
BDL	BDL

MW-7	
(6-6.5')	(11.5-12')
6/28/21	6/28/21
PNAs	PNAs
B(a)p - 300	N - 1,500
B(b)f - 600	2M - 1,000
B(k)f - 700	1M - 400
C - 300	VOCs
F - 400	B - 700
N - 1,500	E - 3,000
Py - 400	I - 1,400
VOCs	nP - 3,500
nP - 250	135T - 3,800
124T - 250	124T - 18,300
secB - 420	secB - 1700
123T - 100	pI - 1,400
nB - 600	123T - 8,500
METALS	nB - 3,100
Hg - 333	N - 1,400
Pb - 97,000	2M - 900
TPH	X - 2,600
DRO - 345,000	METALS
GRO - 198,000	Hg - <50
	Pb - 6,900
	TPH
	DRO - 186,000
	GRO - 260,000

SB-18	
(6.5-7)	(15.5-16)
8/25/21	8/25/21
PNAs	PNAs
N - 2,700	BDL
2M - 900	VOCs
VOCs	BDL
I - 3,300	
nP - 6,170	
tertB - 130	
secB - 5,570	
pI - 800	
nB - 10,700	
N - 5,700	
2M - 1,500	
METALS	
Pb - 9,680	

SB-36	
(6.2-6.7)	(11.5-12)
8/27/21	8/27/21
PNAs	PNAs
BDL	BDL
VOCs	VOCs
E - 100	BDL
I - 700	
nP - 2,070	
135T - 730	
124T - 3,520	
secB - 2,050	
pI - 700	
123T - 1,440	
nB - 2,400	
TPH	
DRO - 208,000	
GRO - 470,000	

SB-25		
(4.9-5.2)	(11.5-12')	(16.5-17)
8/26/21	8/26/21	8/26/21
PNAs	PNAs	PNAs
BDL	BDL	BDL
VOCs	VOCs	VOCs
BDL	BDL	BDL

N

NOT TO SCALE

FIGURE 5E

LEGEND

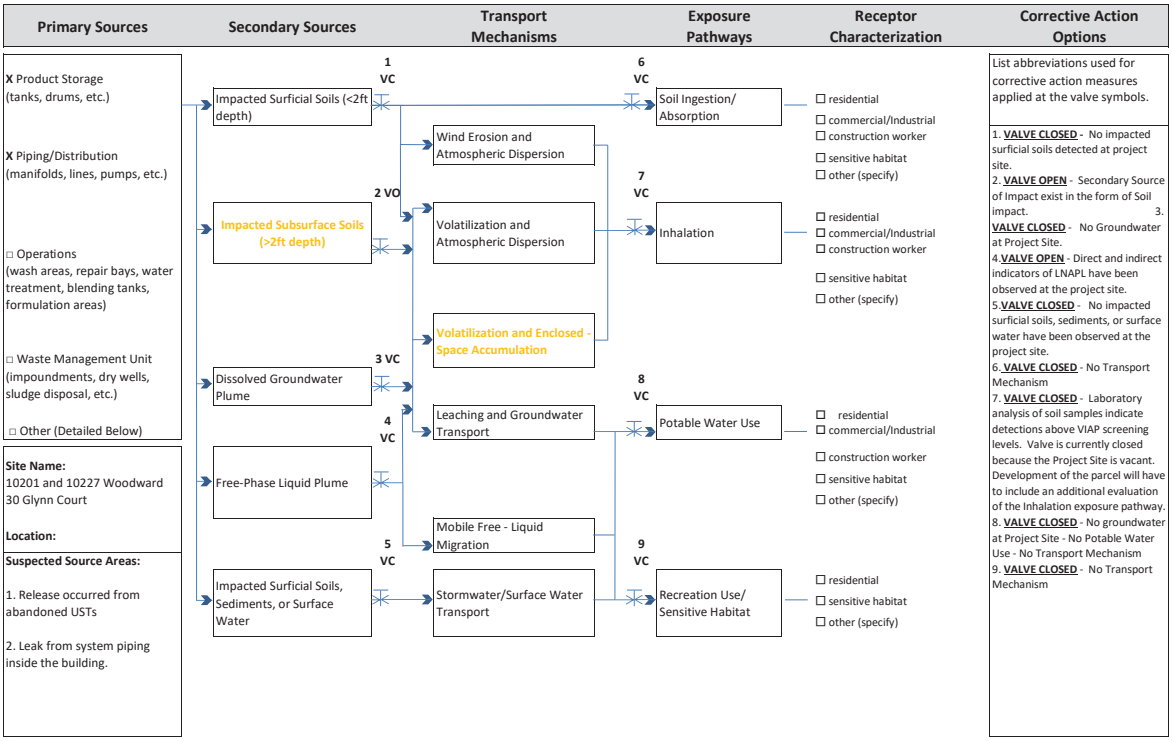
- OIL-IN-SOIL TEST KIT - <500 ppm
- OIL-IN-SOIL TEST KIT - >500 ppm
- SOIL SAMPLE LOCATION
- <1 - PID DETECTION
- ~ EXTENT OF SOIL CONTAMINATION
- ~ EXTENT OF RESIDUAL NAPL
- TELECOM UTILITY
- SEWER UTILITY
- WATER UTILITY
- STORM SEWER
- GAS UTILITY

FIGURE 5E
CROSS SECTION E to E'

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK

FIGURE 6
RBCA - EXPOSURE EVALUATION FLOW CHART
(ASTM-1739-95(2015))
10201 and 10227 Woodard and 30 Glynn Court (C-0174-13, C-0117-08, and C-0053-03)
EVALUATION DATE: 10/15/21



Primary Source

The suspected source of the release was from the former USTs and associated distribution piping from the abandoned USTs at the Project Site. The USTs at the Project Site were utilized by a former Dry Cleaning operation located at 30 Glynn Court and 10201 Woodward. USTs were also present on the 10201 Woodward parcel associated with a former gasoline station that operated on the parcel following the closure of the dry cleaner.

Secondary Source

An area of soil impact exists in the vicinity of the former UST and building excavation.

The current laboratory analytical data indicate the chemicals of concern (COC) for the Project Site in soils consist of benzene, ethylbenzene, isopropylbenzene, n-propylbenezene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropyltoluene, 1,2,3-trimethylbenzene, n-butylbenzene, naphthalene, 2-methylnaphthalene, total xylenes, benzo(a)pyrene, and phenanthrene.

Impacted Surficial Soils (<2ft depth) -
The soil impact detected above RDWPC was observed >2' bgs.

Impacted Subsurface Soils (>2ft depth) -
The remaining soil impacts located in the vicinity of the former USTs located on the parcels and in the area of the former dry cleaning buildings that were located at 30 Glynn Court and 10201 Woodward.

Dissolved Groundwater Plume -
There is no groundwater at the Project Site.

Free - Phase Liquid Plume -
No mobile non-aqueous phase liquid (NAPL) has been observed at the Project Site. The Free-Liquid Migration Transport Mechanism is not currently applicable to the project site. Current soil quality data, indicates a potential presence of residual LNAPL in the soils in the area of the former USTs and building.

Impacted Surficial Soils, Sediments, or Surface Water -
Remaining soil impact is located >2feet bgs. The project site is currently a vacant grass field, there are no storm drains present on the Project Site. Stormwater infiltrates the ground surface. The closest surface water body is the Detroit River located ~4 miles to the south.

Transport Mechanisms

Wind Erosion and Atmospheric Dispersion -
Based upon the current depth of the Secondary Source of soil impact, the Wind Erosion and Atmospheric Dispersion Transport Mechanism is not applicable to the project site.

Volatilization and Atmospheric Dispersion -
Concentrations of COCs detected in soil at the Project Site are below the MDEQ-VSIC. There is no groundwater at the Project Site. The Volatilization and Atmospheric Dispersion Transport Mechanism is not applicable to the Project Site

Volatilization and Enclosed - Space Accumulation -
Concentrations of COCs in soil were have been detected above the Michigan VIAP Screening Levels; however, there is no building on the Property. The Volatilization and Enclosed Space Accumulation Transport Mechanism is currently not applicable to the Project Site. It would be applicable if a building was present on the Project Site.

Leaching and Groundwater Transport -
Laboratory analytical data indicates the Secondary Source of impact remaining in the soil are above the current RDWPC; however, there is no groundwater at the Project Site. Therefore, the Leaching and Groundwater Transport Mechanism is not applicable to the Project Site

Mobile Free - Liquid Migration -
KECK has not observed indicators of mobile LNAPL at the project site. KECK has observed some indicators of residual LNAPL in some areas of the Project Site. Therefore, the Mobile Free-Liquid Migration Transport Mechanism is not applicable to the project site.

Stormwater/Surface Water Transport -
For the Stormwater/Surface Water Transport Mechanism to be applicable, impacted surficial soils and/or impacted surface water would need to be present at the project site. The remaining soil impact detected above RDPC was observed >3 feet bgs.

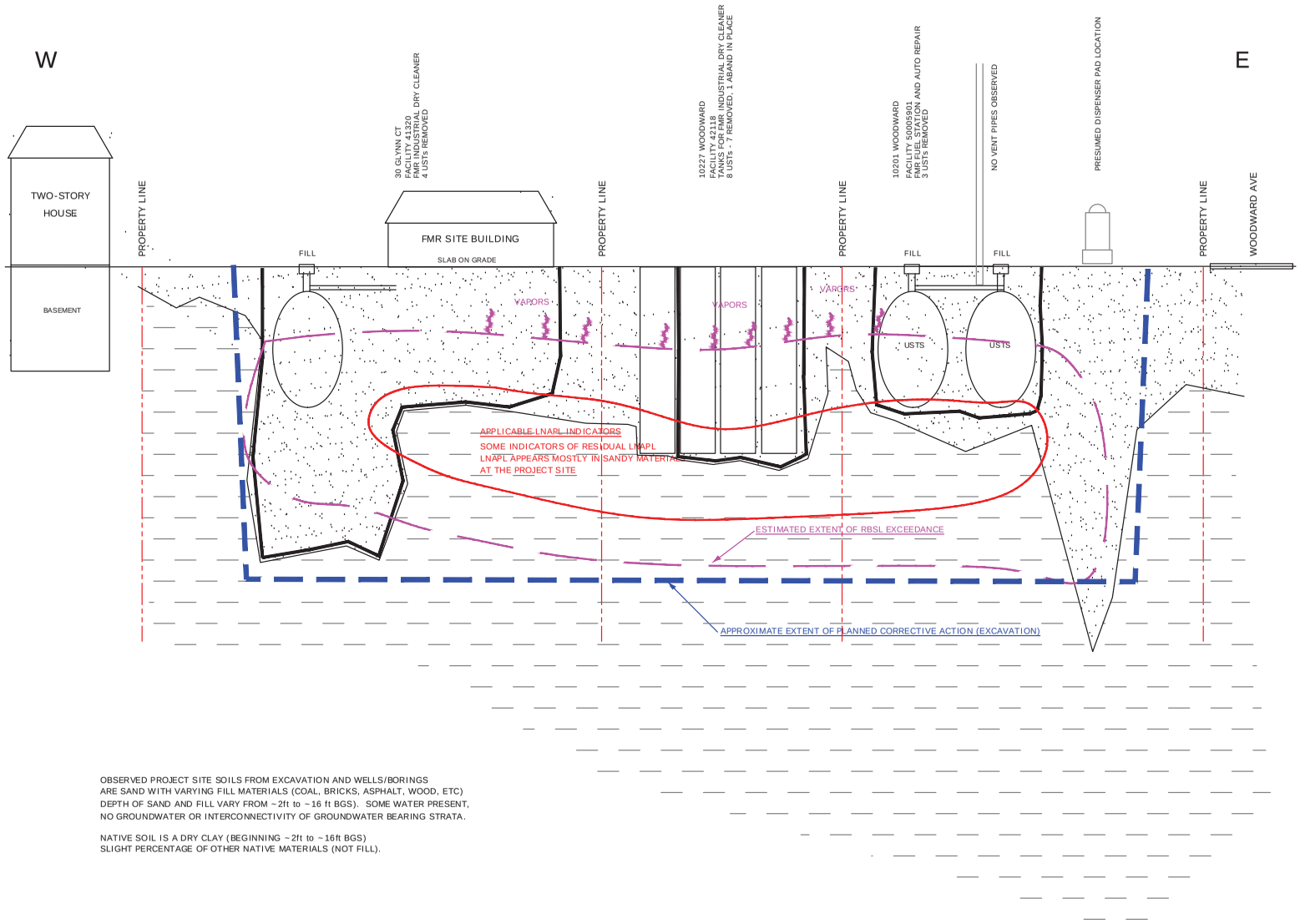
Exposure Pathways

Soil Ingestion/Absorption -
NA - No Transport Mechanism

Inhalation -
COCs in soil at the Project Site are above the Michigan VIAP screening levels; however the Project Site is currently a vacant lot, therefore there is no inhalation exposure pathway. WLDHA intends to develop the parcel following the removal of the impacted soils. The Inhalation Exposure pathway will be reevaluated prior to the construction of any building on the Project Site.

Potable Water Use -
NA - No Transport Mechanism

Recreation Use/Sensitive Habitat -
NA - No Transport Mechanism



OBSERVED PROJECT SITE SOILS FROM EXCAVATION AND WELLS/BORINGS
ARE SAND WITH VARYING FILL MATERIALS (COAL, BRICKS, ASPHALT, WOOD, ETC)
DEPTH OF SAND AND FILL VARY FROM ~2ft to ~16 ft BGS). SOME WATER PRESENT,
NO GROUNDWATER OR INTERCONNECTIVITY OF GROUNDWATER BEARING STRATA.

NATIVE SOIL IS A DRY CLAY (BEGINNING ~2ft to ~16ft BGS)
SLIGHT PERCENTAGE OF OTHER NATIVE MATERIALS (NOT FILL).

LNAPL CONCEPTUAL SITE MODEL
NOT TO SCALE

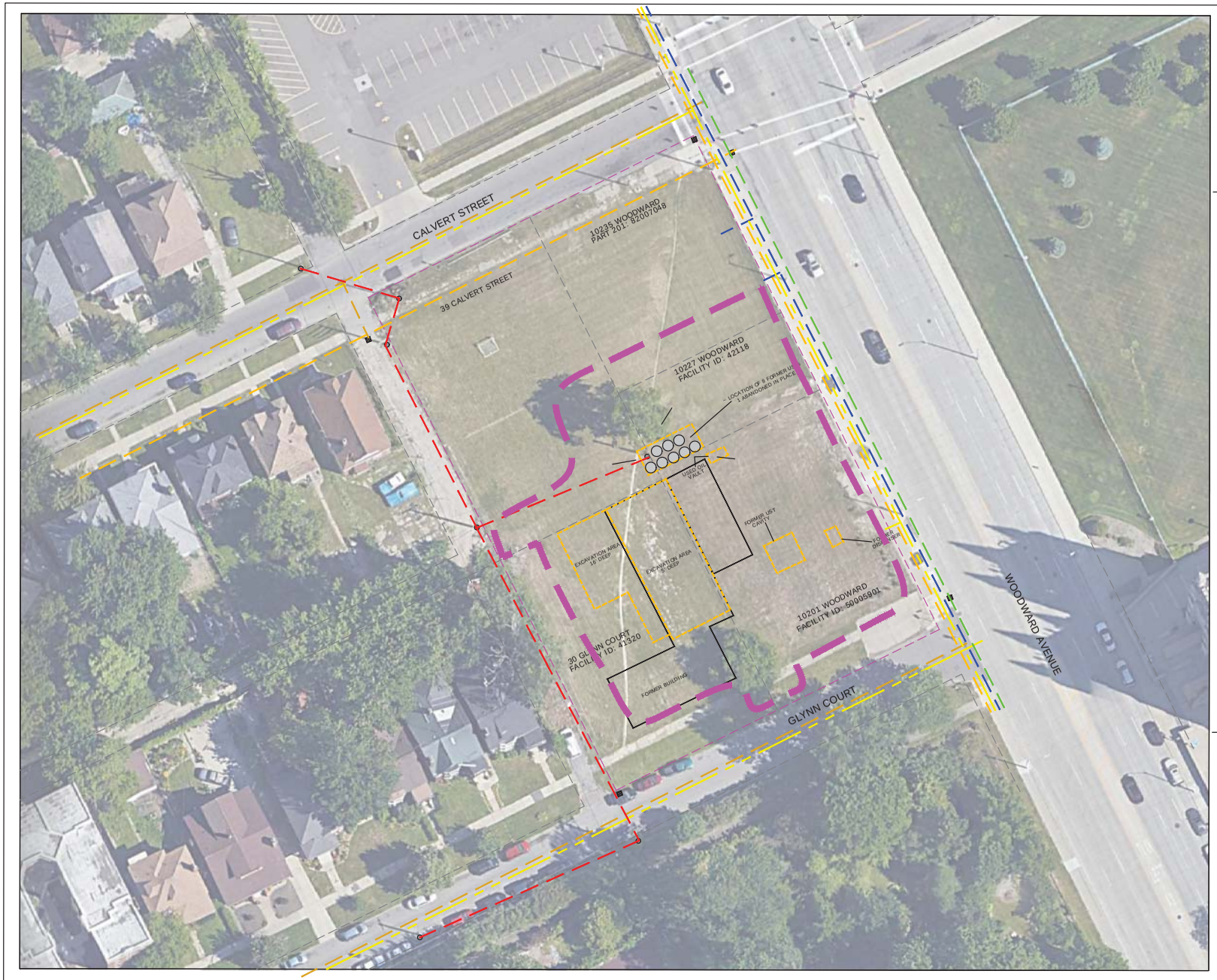
FIGURE 7

PROJECT SITE BUILDINGS, TANK INFO, AND OTHER DETAILS WERE PLACED AT APPROXIMATE & RELATIVE LOCATIONS AND RELATIVE DISTANCES TO ILLUSTRATE PERTINENT FEATURES, PATHWAYS, AND EXPOSURES AS RELEVANT AND APPLICABLE TO THE RELEASE AND COMPOUNDS OF CONCERN

FIGURE 7
LNAPL CONCEPTUAL SITE MODEL (LCSM)

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK



N

0 50 100

APPROXIMATE SCALE

FIGURE 8

LEGEND

- ESTIMATED EXTENT OF EXCAVATION

FIGURE 8

PROPOSED AREA OF CORRECTIVE ACTION AND EXTENT OF EXCAVATION

10201 WOODWARD L.D.H.A
10201 & 10227 WOODWARD
AND 30 GLYNN COURT
DETROIT, MICHIGAN

KECK

APPENDICES

APPENDIX A
LABORATORY ANALYTICAL REPORTS

Analytical Laboratory Report

Report ID: S25878.01(01)
Generated on 07/09/2021

Report to

Attention: John Bomba
Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 C:269-209-2558 FAX:
Email: j.bomba@keckconsulting.com

Addtional Contacts: Doug Ervin, Eric Ruckert

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S25878.01-S25878.06
Project: 475-1483
Collected Date(s): 07/01/2021
Submitted Date/Time: 07/02/2021 09:40
Sampled by: Wakabayashi / Ruckert
P.O. #:

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Glossary of Abbreviations (Page 3)
Method Summary (Page 4)
Sample Summary (Page 5)

Maya Murshak
Technical Director

Analytical Laboratory Report

Report ID: S25825.01(01)
Generated on 07/09/2021

Report to

Attention: John Bomba
Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 C:269-209-2558 FAX:
Email: j.bomba@keckconsulting.com

Addtional Contacts: Doug Ervin, Eric Ruckert

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
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Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S25825.01-S25825.17
Project: 475-1483
Collected Date(s): 06/28/2021
Submitted Date/Time: 06/30/2021 13:40
Sampled by: Wakabayashi / Ruckert
P.O. #:

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Sample Summary (Page 5)

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.
Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2011
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW5035A	SW 846 Method 5035A Revision 1 July 2002
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270D	SW 846 Method 8270D Revision 4 February 2007

Sample Summary (17 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S25825.01	SB-1 5-6	Soil	06/28/21 09:45
S25825.02	SB-2 6.3-7.0	Soil	06/28/21 10:50
S25825.03	SB-2 11.5-12	Soil	06/28/21 10:47
S25825.04	SB-3 7-7.5	Soil	06/28/21 11:05
S25825.05	SB-3 11.5-12	Soil	06/28/21 10:57
S25825.06	SB-5 11.5-12	Soil	06/28/21 14:12
S25825.07	SB-6 6-6.5	Soil	06/28/21 13:50
S25825.08	SB-6 11.5-12	Soil	06/28/21 13:59
S25825.09	SB-7 11.5-12	Soil	06/28/21 13:47
S25825.10	SB-8 11.5-12	Soil	06/28/21 13:04
S25825.11	SB-9 11-11.5	Soil	06/28/21 13:12
S25825.12	SB-10 8.5-9	Soil	06/28/21 12:38
S25825.13	SB-11 11.5-12	Soil	06/28/21 12:15
S25825.14	MW-3 4-6	Soil	06/28/21 10:13
S25825.15	MW-7 6-6.5	Soil	06/28/21 15:10
S25825.16	MW-7 11.5-12	Soil	06/28/21 15:15
S25825.17	SB-4 5-5.4	Soil	06/28/21 11:31

Analytical Laboratory Report

Lab Sample ID: S25825.01
Sample Tag: SB-1 5-6
Collected Date/Time: 06/28/2021 09:45
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.035/14	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:04, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	1.68	0.30		mg/kg	257	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:05, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	62	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 02:27, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.01 (continued)
Sample Tag: SB-1 5-6

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:05, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.2	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.2	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.2	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.2	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.2	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.2	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.2	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.2	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.2	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.2	109-99-9	
Chloroform	Not detected	60		ug/kg	62.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.2	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.2	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.2	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.2	56-23-5	
Benzene	Not detected	60		ug/kg	62.2	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.2	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.2	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.2	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.2	10061-01-5	
Toluene	Not detected	60		ug/kg	62.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.2	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.2	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.2	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.2	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.2		
o-Xylene	Not detected	60		ug/kg	62.2	95-47-6	
Styrene	Not detected	60		ug/kg	62.2	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.2	98-82-8	
Bromoform	Not detected	100		ug/kg	62.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.2	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.01 (continued)

Sample Tag: SB-1 5-6

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:05, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.2	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.2	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.2	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.2	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.2	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.2	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.2	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.02
Sample Tag: SB-2 6.3-7.0
Collected Date/Time: 06/28/2021 10:50
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	11.952/11	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	82	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:06, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	4.03	0.30		mg/kg	282	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:47, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	74	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 02:44, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.02 (continued)
Sample Tag: SB-2 6.3-7.0

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:28, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.1	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.1	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.1	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.1	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.1	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.1	109-99-9	
Chloroform	Not detected	70		ug/kg	67.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.1	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.1	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.1	56-23-5	
Benzene	Not detected	70		ug/kg	67.1	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.1	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.1	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.1	10061-01-5	
Toluene	Not detected	70		ug/kg	67.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.1	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.1	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	67.1	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.1	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.1		
o-Xylene	Not detected	70		ug/kg	67.1	95-47-6	
Styrene	Not detected	70		ug/kg	67.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	67.1	98-82-8	
Bromoform	Not detected	100		ug/kg	67.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.1	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.02 (continued)

Sample Tag: SB-2 6.3-7.0

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:28, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.1	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	67.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.1	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	67.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	67.1	95-63-6	
sec-Butylbenzene	460	70		ug/kg	67.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.1	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	67.1	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	67.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	67.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	67.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	67.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	67.1	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.03
Sample Tag: SB-2 11.5-12
Collected Date/Time: 06/28/2021 10:47
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.123/12	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	85	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	16.9	0.30		mg/kg	276	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:49, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	69	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 03:01, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.03 (continued)
Sample Tag: SB-2 11.5-12

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:50, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.1	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.1	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.1	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.1	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.1	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.1	109-99-9	
Chloroform	Not detected	70		ug/kg	67.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.1	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.1	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.1	56-23-5	
Benzene	Not detected	70		ug/kg	67.1	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.1	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.1	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.1	10061-01-5	
Toluene	Not detected	70		ug/kg	67.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.1	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.1	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	67.1	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.1	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.1		
o-Xylene	Not detected	70		ug/kg	67.1	95-47-6	
Styrene	Not detected	70		ug/kg	67.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	67.1	98-82-8	
Bromoform	Not detected	100		ug/kg	67.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.1	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.03 (continued)

Sample Tag: SB-2 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 01:50, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.1	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	67.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.1	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	67.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	67.1	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	67.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.1	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	67.1	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	67.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	67.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	67.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	67.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	67.1	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.04
Sample Tag: SB-3 7-7.5
Collected Date/Time: 06/28/2021 11:05
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.610/14	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	82	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:09, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	2.70	0.30		mg/kg	271	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:52, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	64	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 03:18, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.04 (continued)
Sample Tag: SB-3 7-7.5

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:13, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	69.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	69.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	69.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	69.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	69.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	69.4	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	69.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	69.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	69.4	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	69.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	69.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	69.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	69.4	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	69.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	69.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	69.4	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	69.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	69.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	69.4	109-99-9	
Chloroform	Not detected	70		ug/kg	69.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	69.4	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	69.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	69.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	69.4	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	69.4	56-23-5	
Benzene	Not detected	70		ug/kg	69.4	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	69.4	107-06-2	
Trichloroethene	Not detected	70		ug/kg	69.4	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	69.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	69.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	69.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	69.4	10061-01-5	
Toluene	Not detected	70		ug/kg	69.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	69.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	69.4	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	69.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	69.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	69.4	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	69.4	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	69.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	69.4	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	69.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	69.4		
o-Xylene	Not detected	70		ug/kg	69.4	95-47-6	
Styrene	Not detected	70		ug/kg	69.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	69.4	98-82-8	
Bromoform	Not detected	100		ug/kg	69.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	69.4	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.04 (continued)
Sample Tag: SB-3 7-7.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:13, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	69.4	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	69.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	69.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	69.4	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	69.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	69.4	95-63-6	
sec-Butylbenzene	310	70		ug/kg	69.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	69.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	69.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	69.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	69.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	69.4	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	69.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	69.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	69.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	460		ug/kg	69.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	460		ug/kg	69.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	69.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	69.4	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.05
Sample Tag: SB-3 11.5-12
Collected Date/Time: 06/28/2021 10:57
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.479/13	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:11, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	5.61	0.30		mg/kg	268	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:54, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	66	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 03:35, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.05 (continued)
Sample Tag: SB-3 11.5-12

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:35, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.6	107-13-1	
2-Butanone (MEK)	Not detected	920		ug/kg	61.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.6	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	61.6	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.6	109-99-9	
Chloroform	Not detected	60		ug/kg	61.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.6	56-23-5	
Benzene	Not detected	60		ug/kg	61.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.6	10061-01-5	
Toluene	Not detected	60		ug/kg	61.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.6	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.6		
o-Xylene	Not detected	60		ug/kg	61.6	95-47-6	
Styrene	Not detected	60		ug/kg	61.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61.6	98-82-8	
Bromoform	Not detected	100		ug/kg	61.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.6	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.05 (continued)
Sample Tag: SB-3 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:35, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.6	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	61.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61.6	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61.6	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	61.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61.6	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	61.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	61.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	61.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.6	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.06
Sample Tag: SB-5 11.5-12
Collected Date/Time: 06/28/2021 14:12
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.951/12	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:12, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.31	0.30		mg/kg	239	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	70	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 03:52, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.06 (continued)
Sample Tag: SB-5 11.5-12

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:58, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.2	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.2	107-13-1	
2-Butanone (MEK)	Not detected	870		ug/kg	58.2	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.2	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.2	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	58.2	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.2	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.2	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.2	109-99-9	
Chloroform	Not detected	60		ug/kg	58.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.2	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.2	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.2	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.2	56-23-5	
Benzene	Not detected	60		ug/kg	58.2	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.2	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.2	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.2	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-01-5	
Toluene	Not detected	60		ug/kg	58.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.2	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.2	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.2	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.2	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.2		
o-Xylene	Not detected	60		ug/kg	58.2	95-47-6	
Styrene	Not detected	60		ug/kg	58.2	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.2	98-82-8	
Bromoform	Not detected	100		ug/kg	58.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.2	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.06 (continued)

Sample Tag: SB-5 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 02:58, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.2	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.2	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.2	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.2	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.2	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	58.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	58.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	58.2	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.2	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.07
Sample Tag: SB-6 6-6.5
Collected Date/Time: 06/28/2021 13:50
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.463/12	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:14, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	50.0	0.30		mg/kg	278	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:58, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	0.060	0.050		mg/kg	70	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/08/21 04:10, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	400	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.07 (continued)
Sample Tag: SB-6 6-6.5

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 03:20, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	64.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	64.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	64.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	64.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	64.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	64.1	107-13-1	
2-Butanone (MEK)	Not detected	960		ug/kg	64.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	64.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	64.1	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	64.1	75-01-4	
Bromomethane	Not detected	300		ug/kg	64.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	64.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	64.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	64.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	64.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	64.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	64.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	64.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	64.1	109-99-9	
Chloroform	Not detected	60		ug/kg	64.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	64.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	64.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	64.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	64.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	64.1	56-23-5	
Benzene	Not detected	60		ug/kg	64.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	64.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	64.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	64.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	64.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	64.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	64.1	10061-01-5	
Toluene	Not detected	60		ug/kg	64.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	64.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	64.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	64.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	64.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	64.1	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	64.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	64.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	64.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	64.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	64.1		
o-Xylene	Not detected	60		ug/kg	64.1	95-47-6	
Styrene	Not detected	60		ug/kg	64.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	64.1	98-82-8	
Bromoform	Not detected	100		ug/kg	64.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	64.1	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.07 (continued)

Sample Tag: SB-6 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 03:20, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	64.1	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	64.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	64.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	64.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	64.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	64.1	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	64.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	64.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	64.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	64.1	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	64.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	64.1	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	64.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	64.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	64.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	420		ug/kg	64.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	420		ug/kg	64.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	64.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	64.1	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.08
Sample Tag: SB-6 11.5-12
Collected Date/Time: 06/28/2021 13:59
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	14.160/14	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	81	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:15, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.47	0.30		mg/kg	301	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 15:59, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	74	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 03:43, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.08 (continued)
Sample Tag: SB-6 11.5-12

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 03:43, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	72.8	60-29-7	
Acetone	Not detected	1,000		ug/kg	72.8	67-64-1	
Methyl iodide	Not detected	100		ug/kg	72.8	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	72.8	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	72.8	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	72.8	107-13-1	
2-Butanone (MEK)	Not detected	1,100		ug/kg	72.8	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	72.8	75-71-8	
Chloromethane	Not detected	400		ug/kg	72.8	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	72.8	75-01-4	
Bromomethane	Not detected	300		ug/kg	72.8	74-83-9	
Chloroethane	Not detected	400		ug/kg	72.8	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	72.8	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	72.8	75-35-4	
Methylene chloride	Not detected	100		ug/kg	72.8	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	72.8	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	72.8	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	72.8	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	72.8	109-99-9	
Chloroform	Not detected	70		ug/kg	72.8	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	72.8	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	72.8	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	72.8	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	72.8	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	72.8	56-23-5	
Benzene	Not detected	70		ug/kg	72.8	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	72.8	107-06-2	
Trichloroethene	Not detected	70		ug/kg	72.8	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	72.8	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	72.8	75-27-4	
Dibromomethane	Not detected	400		ug/kg	72.8	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	72.8	10061-01-5	
Toluene	Not detected	70		ug/kg	72.8	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	72.8	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	72.8	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	72.8	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	72.8	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	72.8	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	72.8	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	72.8	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	72.8	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	72.8	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	72.8		
o-Xylene	Not detected	70		ug/kg	72.8	95-47-6	
Styrene	Not detected	70		ug/kg	72.8	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	72.8	98-82-8	
Bromoform	Not detected	100		ug/kg	72.8	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	72.8	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.08 (continued)
Sample Tag: SB-6 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 03:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	72.8	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	72.8	103-65-1	
Bromobenzene	Not detected	100		ug/kg	72.8	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	72.8	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	72.8	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	72.8	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	72.8	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	72.8	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	72.8	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	72.8	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	72.8	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	72.8	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	72.8	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	72.8	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	72.8	96-12-8	
1,2,4-Trichlorobenzene	Not detected	480		ug/kg	72.8	120-82-1	
1,2,3-Trichlorobenzene	Not detected	480		ug/kg	72.8	87-61-6	
Naphthalene	Not detected	400		ug/kg	72.8	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	72.8	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.09
Sample Tag: SB-7 11.5-12
Collected Date/Time: 06/28/2021 13:47
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	13.233/13	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	91	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:17, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	4.31	0.30		mg/kg	225	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:01, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	67	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 02:59, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	10,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 02:59, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	

Lab Sample ID: S25825.09 (continued)
Sample Tag: SB-7 11.5-12

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 02:59, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	1.5	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 15:50, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	58.9		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 15:50, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.9	107-13-1	
2-Butanone (MEK)	Not detected	880		ug/kg	58.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.9	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	58.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.9	109-99-9	
Chloroform	Not detected	60		ug/kg	58.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.9	56-23-5	
Benzene	Not detected	60		ug/kg	58.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.9	10061-01-5	
Toluene	Not detected	60		ug/kg	58.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.9	124-48-1	

Lab Sample ID: S25825.09 (continued)
Sample Tag: SB-7 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 15:50, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	20		ug/kg	58.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.9		
o-Xylene	Not detected	60		ug/kg	58.9	95-47-6	
Styrene	Not detected	60		ug/kg	58.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.9	98-82-8	
Bromoform	Not detected	100		ug/kg	58.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.9	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.9	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	58.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	58.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	58.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.9	91-57-6	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.10
Sample Tag: SB-8 11.5-12
Collected Date/Time: 06/28/2021 13:04
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	15.019/15	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:18, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.71	0.30		mg/kg	237	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:03, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	57	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 03:22, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	144,000	8,000		ug/kg	3		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 03:22, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	3	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	3	208-96-8	
Anthracene	Not detected	300		ug/kg	3	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	3	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	3	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	3	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	3	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	3	191-24-2	
Chrysene	Not detected	300		ug/kg	3	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	3	53-70-3	
Fluoranthene	Not detected	300		ug/kg	3	206-44-0	
Fluorene	Not detected	300		ug/kg	3	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	3	193-39-5	

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25825.10 (continued)
Sample Tag: SB-8 11.5-12

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 03:22, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Naphthalene	Not detected	300		ug/kg	3	91-20-3	
Phenanthrene	Not detected	300		ug/kg	3	85-01-8	
Pyrene	Not detected	300		ug/kg	3	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	3	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	3	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 16:12, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	191,000	6,000		ug/kg	62.3		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:12, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.3	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.3	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.3	109-99-9	
Chloroform	Not detected	60		ug/kg	62.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.3	56-23-5	
Benzene	Not detected	60		ug/kg	62.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-01-5	
Toluene	Not detected	60		ug/kg	62.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.3	110-57-6	

Lab Sample ID: S25825.10 (continued)
Sample Tag: SB-8 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:12, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Dibromochloromethane	Not detected	100		ug/kg	62.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.3	630-20-6	
Ethylbenzene	1,130	60		ug/kg	62.3	100-41-4	
p,m-Xylene	500	100		ug/kg	62.3		
o-Xylene	570	60		ug/kg	62.3	95-47-6	
Styrene	Not detected	60		ug/kg	62.3	100-42-5	
Isopropylbenzene	1,200	300		ug/kg	62.3	98-82-8	
Bromoform	Not detected	100		ug/kg	62.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.3	96-18-4	
n-Propylbenzene	3,460	60		ug/kg	62.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.3	108-86-1	
1,3,5-Trimethylbenzene	5,330	60		ug/kg	62.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.3	98-06-6	
1,2,4-Trimethylbenzene	8,050	60		ug/kg	62.3	95-63-6	
sec-Butylbenzene	1,730	60		ug/kg	62.3	135-98-8	
p-Isopropyltoluene	1,500	100		ug/kg	62.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.3	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.3	95-50-1	
1,2,3-Trimethylbenzene	5,900	60		ug/kg	62.3	526-73-8	
n-Butylbenzene	4,190	60		ug/kg	62.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.3	91-57-6	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.11
Sample Tag: SB-9 11-11.5
Collected Date/Time: 06/28/2021 13:12
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	13.011/13	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:25, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.64	0.30		mg/kg	259	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:14, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	62	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 03:45, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	21,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 03:45, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	

Lab Sample ID: S25825.11 (continued)
Sample Tag: SB-9 11-11.5

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 03:45, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	1.5	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 16:35, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	62.3		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:35, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.3	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.3	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.3	109-99-9	
Chloroform	Not detected	60		ug/kg	62.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.3	56-23-5	
Benzene	510	60		ug/kg	62.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-01-5	
Toluene	Not detected	60		ug/kg	62.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.3	124-48-1	

Lab Sample ID: S25825.11 (continued)
Sample Tag: SB-9 11-11.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:35, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	20		ug/kg	62.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.3		
o-Xylene	Not detected	60		ug/kg	62.3	95-47-6	
Styrene	Not detected	60		ug/kg	62.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.3	98-82-8	
Bromoform	Not detected	100		ug/kg	62.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.3	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.3	91-57-6	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.12
Sample Tag: SB-10 8.5-9
Collected Date/Time: 06/28/2021 12:38
Matrix: Soil
COC Reference: 126150

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	14.057/14	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	84	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:26, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	15.6	0.30		mg/kg	282	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:16, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	70	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 04:08, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	810,000	30,000		ug/kg	10		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:08, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	300	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	500	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	600	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	300	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	700	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	

Y-Elevated reporting limit due to high target concentration
p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S25825.12 (continued)
Sample Tag: SB-10 8.5-9

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:08, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	1,400	300		ug/kg	10	91-20-3	
Phenanthrene	500	300		ug/kg	10	85-01-8	
Pyrene	700	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	500	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	400	300		ug/kg	10	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/08/21 14:03, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	1,700,000	100,000		ug/kg	1380		Y

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:58, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	68.8	60-29-7	
Acetone	Not detected	1,000		ug/kg	68.8	67-64-1	
Methyl iodide	Not detected	100		ug/kg	68.8	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	68.8	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	68.8	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	68.8	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	68.8	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	68.8	75-71-8	
Chloromethane	Not detected	300		ug/kg	68.8	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	68.8	75-01-4	
Bromomethane	Not detected	300		ug/kg	68.8	74-83-9	
Chloroethane	Not detected	300		ug/kg	68.8	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	68.8	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	68.8	75-35-4	
Methylene chloride	Not detected	100		ug/kg	68.8	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	68.8	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	68.8	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	68.8	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	68.8	109-99-9	
Chloroform	Not detected	70		ug/kg	68.8	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	68.8	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	68.8	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	68.8	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	68.8	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	68.8	56-23-5	
Benzene	Not detected	70		ug/kg	68.8	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	68.8	107-06-2	
Trichloroethene	Not detected	70		ug/kg	68.8	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	68.8	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	68.8	75-27-4	
Dibromomethane	Not detected	300		ug/kg	68.8	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	68.8	10061-01-5	
Toluene	Not detected	70		ug/kg	68.8	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	68.8	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	68.8	79-00-5	

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25825.12 (continued)
Sample Tag: SB-10 8.5-9

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 16:58, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Tetrachloroethene	Not detected	70		ug/kg	68.8	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	68.8	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	68.8	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	68.8	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	68.8	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	68.8	630-20-6	
Ethylbenzene	140	70		ug/kg	68.8	100-41-4	
p,m-Xylene	400	100		ug/kg	68.8		
o-Xylene	130	70		ug/kg	68.8	95-47-6	
Styrene	Not detected	70		ug/kg	68.8	100-42-5	
Isopropylbenzene	7,000	300		ug/kg	68.8	98-82-8	
Bromoform	Not detected	100		ug/kg	68.8	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	68.8	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	68.8	96-18-4	
n-Propylbenzene	20,850	70		ug/kg	68.8	103-65-1	E
Bromobenzene	Not detected	100		ug/kg	68.8	108-86-1	
1,3,5-Trimethylbenzene	1,390	70		ug/kg	68.8	108-67-8	
tert-Butylbenzene	470	70		ug/kg	68.8	98-06-6	
1,2,4-Trimethylbenzene	8,620	70		ug/kg	68.8	95-63-6	
sec-Butylbenzene	17,910	70		ug/kg	68.8	135-98-8	E
p-Isopropyltoluene	2,100	100		ug/kg	68.8	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	68.8	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	68.8	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	68.8	95-50-1	
1,2,3-Trimethylbenzene	1,460	70		ug/kg	68.8	526-73-8	
n-Butylbenzene	25,980	70		ug/kg	68.8	104-51-8	E
Hexachloroethane	Not detected	400		ug/kg	68.8	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	68.8	96-12-8	
1,2,4-Trichlorobenzene	Not detected	450		ug/kg	68.8	120-82-1	
1,2,3-Trichlorobenzene	Not detected	450		ug/kg	68.8	87-61-6	
Naphthalene	2,700	300		ug/kg	68.8	91-20-3	
2-Methylnaphthalene	800	100		ug/kg	68.8	91-57-6	

Volatile Organics 5035 (Replicate 01), Method: SW5035A/8260C, Run Date: 07/08/21 14:03, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	6,000		ug/kg	1380	60-29-7	Y
Acetone	Not detected	30,000		ug/kg	1380	67-64-1	Y
Methyl iodide	Not detected	3,000		ug/kg	1380	74-88-4	Y
Carbon disulfide	Not detected	7,000		ug/kg	1380	75-15-0	Y
tert-Methyl butyl ether (MTBE)	Not detected	6,000		ug/kg	1380	1634-04-4	Y
Acrylonitrile	Not detected	3,000		ug/kg	1380	107-13-1	Y
2-Butanone (MEK)	Not detected	21,000		ug/kg	1380	78-93-3	Y
Dichlorodifluoromethane	Not detected	7,000		ug/kg	1380	75-71-8	Y
Chloromethane	Not detected	7,000		ug/kg	1380	74-87-3	Y
Vinyl chloride	Not detected	1,000		ug/kg	1380	75-01-4	Y
Bromomethane	Not detected	6,000		ug/kg	1380	74-83-9	Y
Chloroethane	Not detected	7,000		ug/kg	1380	75-00-3	Y

M-Result reported to MDL not RDL
E-Concentration exceeds calibration range
Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25825.12 (continued)
Sample Tag: SB-10 8.5-9

Volatile Organics 5035 (Replicate 01), Method: SW5035A/8260C, Run Date: 07/08/21 14:03, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Trichlorofluoromethane	Not detected	3,000		ug/kg	1380	75-69-4	Y
1,1-Dichloroethene	Not detected	1,000		ug/kg	1380	75-35-4	Y
Methylene chloride	Not detected	3,000		ug/kg	1380	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	1,000		ug/kg	1380	156-60-5	Y
1,1-Dichloroethane	Not detected	1,000		ug/kg	1380	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	1,000		ug/kg	1380	156-59-2	Y
Tetrahydrofuran*	Not detected	30,000		ug/kg	1380	109-99-9	Y
Chloroform	Not detected	1,000		ug/kg	1380	67-66-3	Y
Bromochloromethane	Not detected	3,000		ug/kg	1380	74-97-5	Y
1,1,1-Trichloroethane	Not detected	1,000		ug/kg	1380	71-55-6	Y
4-Methyl-2-pentanone (MIBK)	Not detected	70,000		ug/kg	1380	108-10-1	Y
2-Hexanone	Not detected	70,000		ug/kg	1380	591-78-6	Y
Carbon tetrachloride	Not detected	1,000		ug/kg	1380	56-23-5	Y
Benzene	Not detected	1,000		ug/kg	1380	71-43-2	Y
1,2-Dichloroethane	Not detected	1,000		ug/kg	1380	107-06-2	Y
Trichloroethene	Not detected	1,000		ug/kg	1380	79-01-6	Y
1,2-Dichloropropane	Not detected	1,000		ug/kg	1380	78-87-5	Y
Bromodichloromethane	Not detected	3,000		ug/kg	1380	75-27-4	Y
Dibromomethane	Not detected	7,000		ug/kg	1380	74-95-3	Y
cis-1,3-Dichloropropene	Not detected	1,000		ug/kg	1380	10061-01-5	Y
Toluene	Not detected	1,000		ug/kg	1380	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	1,000		ug/kg	1380	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	1,000		ug/kg	1380	79-00-5	Y
Tetrachloroethene	Not detected	1,000		ug/kg	1380	127-18-4	Y
trans-1,4-Dichloro-2-butene	Not detected	1,000		ug/kg	1380	110-57-6	Y
Dibromochloromethane	Not detected	3,000		ug/kg	1380	124-48-1	Y
1,2-Dibromoethane	Not detected	600		ug/kg	1380	106-93-4	YM
Chlorobenzene	Not detected	1,000		ug/kg	1380	108-90-7	Y
1,1,1,2-Tetrachloroethane	Not detected	3,000		ug/kg	1380	630-20-6	Y
Ethylbenzene	Not detected	1,000		ug/kg	1380	100-41-4	Y
p,m-Xylene	Not detected	3,000		ug/kg	1380		Y
o-Xylene	Not detected	1,000		ug/kg	1380	95-47-6	Y
Styrene	Not detected	1,000		ug/kg	1380	100-42-5	Y
Isopropylbenzene	Not detected	7,000		ug/kg	1380	98-82-8	Y
Bromoform	Not detected	3,000		ug/kg	1380	75-25-2	Y
1,1,2,2-Tetrachloroethane	Not detected	1,000		ug/kg	1380	79-34-5	Y
1,2,3-Trichloropropane	Not detected	3,000		ug/kg	1380	96-18-4	Y
n-Propylbenzene	16,000	1,000		ug/kg	1380	103-65-1	Y
Bromobenzene	Not detected	3,000		ug/kg	1380	108-86-1	Y
1,3,5-Trimethylbenzene	Not detected	1,000		ug/kg	1380	108-67-8	Y
tert-Butylbenzene	Not detected	1,000		ug/kg	1380	98-06-6	Y
1,2,4-Trimethylbenzene	7,000	1,000		ug/kg	1380	95-63-6	Y
sec-Butylbenzene	13,000	1,000		ug/kg	1380	135-98-8	Y
p-Isopropyltoluene	Not detected	3,000		ug/kg	1380	99-87-6	Y
1,3-Dichlorobenzene	Not detected	3,000		ug/kg	1380	541-73-1	Y
1,4-Dichlorobenzene	Not detected	3,000		ug/kg	1380	106-46-7	Y
1,2-Dichlorobenzene	Not detected	3,000		ug/kg	1380	95-50-1	Y
1,2,3-Trimethylbenzene	Not detected	1,000		ug/kg	1380	526-73-8	Y

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Lab Sample ID: S25825.12 (continued)
Sample Tag: SB-10 8.5-9

Volatile Organics 5035 (Replicate 01), Method: SW5035A/8260C, Run Date: 07/08/21 14:03, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Butylbenzene	20,000	1,000		ug/kg	1380	104-51-8	Y
Hexachloroethane	Not detected	8,000		ug/kg	1380	67-72-1	Y
1,2-Dibromo-3-chloropropane	Not detected	7,000		ug/kg	1380	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	9,100		ug/kg	1380	120-82-1	Y
1,2,3-Trichlorobenzene	Not detected	9,100		ug/kg	1380	87-61-6	Y
Naphthalene	Not detected	7,000		ug/kg	1380	91-20-3	Y
2-Methylnaphthalene	Not detected	3,000		ug/kg	1380	91-57-6	Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S25825.13
Sample Tag: SB-11 11.5-12
Collected Date/Time: 06/28/2021 12:15
Matrix: Soil
COC Reference: 126151

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	12.988/12	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:28, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.55	0.30		mg/kg	270	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:18, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	57	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 04:31, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	28,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:31, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	

Lab Sample ID: S25825.13 (continued)
Sample Tag: SB-11 11.5-12

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:31, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	1.5	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 17:20, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	56.9		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 17:20, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	56.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	56.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	56.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	56.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	56.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	56.9	107-13-1	
2-Butanone (MEK)	Not detected	850		ug/kg	56.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	56.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	56.9	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	56.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	56.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	56.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	56.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	56.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	56.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	56.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	56.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	56.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	56.9	109-99-9	
Chloroform	Not detected	60		ug/kg	56.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	56.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	56.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	56.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	56.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	56.9	56-23-5	
Benzene	Not detected	60		ug/kg	56.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	56.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	56.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	56.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	56.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	56.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	56.9	10061-01-5	
Toluene	Not detected	60		ug/kg	56.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	56.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	56.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	56.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	56.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	56.9	124-48-1	

Lab Sample ID: S25825.13 (continued)
Sample Tag: SB-11 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 17:20, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dibromoethane	Not detected	20		ug/kg	56.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	56.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	56.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	56.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	56.9		
o-Xylene	Not detected	60		ug/kg	56.9	95-47-6	
Styrene	Not detected	60		ug/kg	56.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	56.9	98-82-8	
Bromoform	Not detected	100		ug/kg	56.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	56.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	56.9	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	56.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	56.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	56.9	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	56.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	56.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	56.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	56.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	56.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	56.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	56.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	56.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	56.9	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	56.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	56.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	56.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	56.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	56.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	56.9	91-57-6	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.14
Sample Tag: MW-3 4-6
Collected Date/Time: 06/28/2021 10:13
Matrix: Soil
COC Reference: 126151

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	12.137/12	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:29, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	2.26	0.30		mg/kg	241	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:19, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	61	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:00, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.14 (continued)
Sample Tag: MW-3 4-6

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 05:57, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.5	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.5	109-99-9	
Chloroform	Not detected	60		ug/kg	60.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.5	56-23-5	
Benzene	Not detected	60		ug/kg	60.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-01-5	
Toluene	Not detected	60		ug/kg	60.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.5		
o-Xylene	Not detected	60		ug/kg	60.5	95-47-6	
Styrene	Not detected	60		ug/kg	60.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.5	98-82-8	
Bromoform	Not detected	100		ug/kg	60.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.5	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.14 (continued)
Sample Tag: MW-3 4-6

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 05:57, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.5	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S25825.15
Sample Tag: MW-7 6-6.5
Collected Date/Time: 06/28/2021 15:10
Matrix: Soil
COC Reference: 126151

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	16.076/16	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	85	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:31, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	97.0	0.30		mg/kg	250	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:21, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	0.333	0.050		mg/kg	69	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 09:10, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	345,000	8,000		ug/kg	3		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 09:10, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	3	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	3	208-96-8	
Anthracene	Not detected	300		ug/kg	3	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	3	56-55-3	
Benzo(a)pyrene	300	300		ug/kg	3	50-32-8	
Benzo(b)fluoranthene	600	300		ug/kg	3	205-99-2	p
Benzo(k)fluoranthene	700	300		ug/kg	3	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	3	191-24-2	
Chrysene	300	300		ug/kg	3	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	3	53-70-3	
Fluoranthene	400	300		ug/kg	3	206-44-0	
Fluorene	Not detected	300		ug/kg	3	86-73-7	

Y-Elevated reporting limit due to high target concentration
p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S25825.15 (continued)
Sample Tag: MW-7 6-6.5

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 09:10, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	3	193-39-5	
Naphthalene	Not detected	300		ug/kg	3	91-20-3	
Phenanthrene	Not detected	300		ug/kg	3	85-01-8	
Pyrene	400	300		ug/kg	3	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	3	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	3	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 17:43, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	198,000	7,000		ug/kg	67.4		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 17:43, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.4	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.4	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.4	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.4	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.4	109-99-9	
Chloroform	Not detected	70		ug/kg	67.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.4	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.4	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.4	56-23-5	
Benzene	Not detected	70		ug/kg	67.4	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.4	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.4	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.4	10061-01-5	
Toluene	Not detected	70		ug/kg	67.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.4	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.4	127-18-4	

Lab Sample ID: S25825.15 (continued)
Sample Tag: MW-7 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 17:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.4	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	67.4	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.4	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.4		
o-Xylene	Not detected	70		ug/kg	67.4	95-47-6	
Styrene	Not detected	70		ug/kg	67.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	67.4	98-82-8	
Bromoform	Not detected	100		ug/kg	67.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.4	96-18-4	
n-Propylbenzene	250	70		ug/kg	67.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.4	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	67.4	98-06-6	
1,2,4-Trimethylbenzene	250	70		ug/kg	67.4	95-63-6	
sec-Butylbenzene	420	70		ug/kg	67.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.4	95-50-1	
1,2,3-Trimethylbenzene	100	70		ug/kg	67.4	526-73-8	
n-Butylbenzene	600	70		ug/kg	67.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	67.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	67.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	67.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	67.4	91-57-6	

M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.16
Sample Tag: MW-7 11.5-12
Collected Date/Time: 06/28/2021 15:15
Matrix: Soil
COC Reference: 126151

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
DRO Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	14.701/14	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:32, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.90	0.30		mg/kg	258	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:23, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	59	7439-97-6	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 07/09/21 04:17, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	186,000	8,000		ug/kg	3		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:17, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	3	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	3	208-96-8	
Anthracene	Not detected	300		ug/kg	3	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	3	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	3	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	3	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	3	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	3	191-24-2	
Chrysene	Not detected	300		ug/kg	3	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	3	53-70-3	
Fluoranthene	Not detected	300		ug/kg	3	206-44-0	
Fluorene	Not detected	300		ug/kg	3	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	3	193-39-5	

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25825.16 (continued)
Sample Tag: MW-7 11.5-12

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:17, Analyst: PL (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Naphthalene	1,500	300		ug/kg	3	91-20-3	
Phenanthrene	Not detected	300		ug/kg	3	85-01-8	
Pyrene	Not detected	300		ug/kg	3	129-00-0	
2-Methylnaphthalene	1,000	300		ug/kg	3	91-57-6	
1-Methylnaphthalene	400	300		ug/kg	3	90-12-0	

Organics - Volatiles

Method: SW8015M, Run Date: 07/02/21 20:00, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	260,000	10,000		ug/kg	117		Y

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 20:00, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	500		ug/kg	117	60-29-7	Y
Acetone	Not detected	2,000		ug/kg	117	67-64-1	Y
Methyl iodide	Not detected	200		ug/kg	117	74-88-4	Y
Carbon disulfide	Not detected	600		ug/kg	117	75-15-0	Y
tert-Methyl butyl ether (MTBE)	Not detected	500		ug/kg	117	1634-04-4	Y
Acrylonitrile	Not detected	200		ug/kg	117	107-13-1	Y
2-Butanone (MEK)	Not detected	1,800		ug/kg	117	78-93-3	Y
Dichlorodifluoromethane	Not detected	600		ug/kg	117	75-71-8	Y
Chloromethane	Not detected	600		ug/kg	117	74-87-3	Y
Vinyl chloride	Not detected	100		ug/kg	117	75-01-4	Y
Bromomethane	Not detected	500		ug/kg	117	74-83-9	Y
Chloroethane	Not detected	600		ug/kg	117	75-00-3	Y
Trichlorofluoromethane	Not detected	200		ug/kg	117	75-69-4	Y
1,1-Dichloroethene	Not detected	100		ug/kg	117	75-35-4	Y
Methylene chloride	Not detected	200		ug/kg	117	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	100		ug/kg	117	156-60-5	Y
1,1-Dichloroethane	Not detected	100		ug/kg	117	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	100		ug/kg	117	156-59-2	Y
Tetrahydrofuran*	Not detected	2,000		ug/kg	117	109-99-9	Y
Chloroform	Not detected	100		ug/kg	117	67-66-3	Y
Bromochloromethane	Not detected	200		ug/kg	117	74-97-5	Y
1,1,1-Trichloroethane	Not detected	100		ug/kg	117	71-55-6	Y
4-Methyl-2-pentanone (MIBK)	Not detected	6,000		ug/kg	117	108-10-1	Y
2-Hexanone	Not detected	6,000		ug/kg	117	591-78-6	Y
Carbon tetrachloride	Not detected	100		ug/kg	117	56-23-5	Y
Benzene	700	100		ug/kg	117	71-43-2	Y
1,2-Dichloroethane	Not detected	100		ug/kg	117	107-06-2	Y
Trichloroethene	Not detected	100		ug/kg	117	79-01-6	Y
1,2-Dichloropropane	Not detected	100		ug/kg	117	78-87-5	Y
Bromodichloromethane	Not detected	200		ug/kg	117	75-27-4	Y
Dibromomethane	Not detected	600		ug/kg	117	74-95-3	Y
cis-1,3-Dichloropropene	Not detected	100		ug/kg	117	10061-01-5	Y
Toluene	Not detected	100		ug/kg	117	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	100		ug/kg	117	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	100		ug/kg	117	79-00-5	Y
Tetrachloroethene	Not detected	100		ug/kg	117	127-18-4	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25825.16 (continued)
Sample Tag: MW-7 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 20:00, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
trans-1,4-Dichloro-2-butene	Not detected	100		ug/kg	117	110-57-6	Y
Dibromochloromethane	Not detected	200		ug/kg	117	124-48-1	Y
1,2-Dibromoethane	Not detected	50		ug/kg	117	106-93-4	YM
Chlorobenzene	Not detected	100		ug/kg	117	108-90-7	Y
1,1,1,2-Tetrachloroethane	Not detected	200		ug/kg	117	630-20-6	Y
Ethylbenzene	3,000	100		ug/kg	117	100-41-4	Y
p,m-Xylene	2,600	200		ug/kg	117		Y
o-Xylene	Not detected	100		ug/kg	117	95-47-6	Y
Styrene	Not detected	100		ug/kg	117	100-42-5	Y
Isopropylbenzene	1,400	600		ug/kg	117	98-82-8	Y
Bromoform	Not detected	200		ug/kg	117	75-25-2	Y
1,1,2,2-Tetrachloroethane	Not detected	100		ug/kg	117	79-34-5	Y
1,2,3-Trichloropropane	Not detected	200		ug/kg	117	96-18-4	Y
n-Propylbenzene	3,500	100		ug/kg	117	103-65-1	Y
Bromobenzene	Not detected	200		ug/kg	117	108-86-1	Y
1,3,5-Trimethylbenzene	3,800	100		ug/kg	117	108-67-8	Y
tert-Butylbenzene	Not detected	100		ug/kg	117	98-06-6	Y
1,2,4-Trimethylbenzene	18,300	100		ug/kg	117	95-63-6	Y
sec-Butylbenzene	1,700	100		ug/kg	117	135-98-8	Y
p-Isopropyltoluene	1,400	200		ug/kg	117	99-87-6	Y
1,3-Dichlorobenzene	Not detected	200		ug/kg	117	541-73-1	Y
1,4-Dichlorobenzene	Not detected	200		ug/kg	117	106-46-7	Y
1,2-Dichlorobenzene	Not detected	200		ug/kg	117	95-50-1	Y
1,2,3-Trimethylbenzene	8,500	100		ug/kg	117	526-73-8	Y
n-Butylbenzene	3,100	100		ug/kg	117	104-51-8	Y
Hexachloroethane	Not detected	700		ug/kg	117	67-72-1	Y
1,2-Dibromo-3-chloropropane	Not detected	600		ug/kg	117	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	770		ug/kg	117	120-82-1	Y
1,2,3-Trichlorobenzene	Not detected	770		ug/kg	117	87-61-6	Y
Naphthalene	1,400	600		ug/kg	117	91-20-3	Y
2-Methylnaphthalene	900	200		ug/kg	117	91-57-6	Y

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Analytical Laboratory Report

Lab Sample ID: S25825.17
Sample Tag: SB-4 5-5.4
Collected Date/Time: 06/28/2021 11:31
Matrix: Soil
COC Reference: 126151

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	2.8	IR
1	40ml Glass	MeOH	Yes	2.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	07/06/21 11:45	CCM	
PNA Extraction*	Completed	SW3546	07/07/21 11:00	PTW	
Sample wt. (g) / Methanol (ml)*	15.699/15	SW5035A	07/01/21 11:01	REC	
Mercury Digestion	Completed	SW7471B	07/07/21 10:00	CCM	

Inorganics

Method: SM2540B, Run Date: 07/06/21 19:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	80	1		%	1		

Metals

Method: SW6020A, Run Date: 07/06/21 13:34, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	2.35	0.30		mg/kg	282	7439-92-1	

Method: SW7471B, Run Date: 07/07/21 16:25, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.050		mg/kg	71	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 07/09/21 04:35, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	
1-Methylnaphthalene	Not detected	300		ug/kg	10	90-12-0	

Lab Sample ID: S25825.17 (continued)
Sample Tag: SB-4 5-5.4

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 07:04, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	72.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	72.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	72.2	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	72.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	72.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	72.2	107-13-1	
2-Butanone (MEK)	Not detected	1,100		ug/kg	72.2	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	72.2	75-71-8	
Chloromethane	Not detected	400		ug/kg	72.2	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	72.2	75-01-4	
Bromomethane	Not detected	300		ug/kg	72.2	74-83-9	
Chloroethane	Not detected	400		ug/kg	72.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	72.2	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	72.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	72.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	72.2	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	72.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	72.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	72.2	109-99-9	
Chloroform	Not detected	70		ug/kg	72.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	72.2	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	72.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	72.2	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	72.2	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	72.2	56-23-5	
Benzene	Not detected	70		ug/kg	72.2	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	72.2	107-06-2	
Trichloroethene	Not detected	70		ug/kg	72.2	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	72.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	72.2	75-27-4	
Dibromomethane	Not detected	400		ug/kg	72.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	72.2	10061-01-5	
Toluene	Not detected	70		ug/kg	72.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	72.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	72.2	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	72.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	72.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	72.2	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	72.2	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	72.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	72.2	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	72.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	72.2		
o-Xylene	Not detected	70		ug/kg	72.2	95-47-6	
Styrene	Not detected	70		ug/kg	72.2	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	72.2	98-82-8	
Bromoform	Not detected	100		ug/kg	72.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	72.2	79-34-5	

M-Result reported to MDL not RDL

Lab Sample ID: S25825.17 (continued)
Sample Tag: SB-4 5-5.4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 07/02/21 07:04, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichloropropane	Not detected	100		ug/kg	72.2	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	72.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	72.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	72.2	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	72.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	72.2	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	72.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	72.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	72.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	72.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	72.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	72.2	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	72.2	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	72.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	72.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	480		ug/kg	72.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	480		ug/kg	72.2	87-61-6	
Naphthalene	Not detected	400		ug/kg	72.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	72.2	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID: S25825
Client: KECK (Keck Consulting)
Project: 475-1483
Submitted: 06/30/2021 13:40 Login User: MMC

Attention: John Bomba
Address: Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 FAX:
Email: j.bomba@keckconsulting.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 2.8
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

126150

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek
STATE:
ZIP CODE:
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS: j.bomba@kbckenvironmental.com
QUOTE NO.:

INVOICE TO

CONTACT NAME:
☐ SAME
COMPANY:
ADDRESS:
CITY:
STATE:
ZIP CODE:
PHONE NO.:
E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT / Ryder Wakabayashi

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	~~Metals~~	Mercury	Lead	Special Instructions
25825.01	6/26/21	0945	SB-1	5-6	S	3	1					1		↓	↓	↓	↓	↓	~~[illegible]~~
.02	6/26/21	1050	SB-2	6.3-7.0															
.03	6/26/21	1047	SB-3	11.5-12															Hold Samples
.04	6/26/21	1105	SB-3	7-7.5															for possible
.05	6/26/21	1057	SB-3	11.5-12															future analysis
.06	6/26/21	~~1517~~ 1412	SB-5	11.5-12															DISPOSAL PURPOSES
.07	6/26/21	1350	SB-6	6-6.5															
.08	6/26/21	1359	SB-6	11.5-12															
.09	6/26/21	1347	SB-7	11.5-12															
.10	6/26/21	1304	SB-8	11.5-12															
.11	6/26/21	1312	SB-9	11-11.5															
.12	6/26/21	1230	SB-10	8.5-9															TLE

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Sampler	6/29/21	1334
RECEIVED BY: SIGNATURE/ORGANIZATION	KBCK Storage	6/29/21	1334
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Keck STORAGE	6/30/21	12:05
RECEIVED BY: SIGNATURE/ORGANIZATION		6/30/21	12:05

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION		6/30/21	1:40
RECEIVED BY: SIGNATURE/ORGANIZATION	M Chilcote	6/30/21	1340

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES:
TEMP. ON ARRIVAL 2.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
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C.O.C. PAGE # 2 OF 2

126151

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bombay
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek STATE: MI ZIP CODE: 49016
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: j.bombay@kbckconsulting.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Eric Ruckert / Rylee Nekodayashi

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOC	PNA's	[redacted]	Mercury	Lead	Special Instructions
25825.13	6/26/21	1215	SB-11	11.5-12	S	2	1					1							[redacted]
.14	6/26/21	1013	MW-3	4-6															
~~.15~~	~~6/26/21~~	~~1020~~	~~MW-3~~	~~11.5-12~~															Hold samples for
.15	6/26/21	1510	MW-7	6-6.5															possible future
.16	6/26/21	1515	MW-7	11.5-12															analysis
.17	6/26/21	1131	SB-4	5-5.4	X	X	X							X	X	X	X	X	Disposal Purposes

ICE

RELINQUISHED BY: SIGNATURE/ORGANIZATION ☐ Sampler	DATE 6/26/21	TIME 1334	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 6/30/21	TIME 1:40
RECEIVED BY: SIGNATURE/ORGANIZATION KBCK Storage	DATE 6/26/21	TIME 1334	RECEIVED BY: SIGNATURE/ORGANIZATION M Chilcot	DATE 6/30/21	TIME 1340
RELINQUISHED BY: SIGNATURE/ORGANIZATION Kelc STORAGE	DATE 6/30/21	TIME 12:05	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE 6/30/21	TIME 12:05	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 2.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.
Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
E245.1	EPA Method 245.1 Revision 3.0
N/A	Not Applicable
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3510C	SW 846 Method 3510C Revision 3 December 1996
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003
SW8270D	SW 846 Method 8270D Revision 4 February 2007

Analytical Laboratory Report

Sample Summary (6 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S25878.01	MW-1	Groundwater	07/01/21 14:45
S25878.02	MW-2	Groundwater	07/01/21 13:07
S25878.03	MW-4	Groundwater	07/01/21 14:18
S25878.04	MW-5	Groundwater	07/01/21 14:15
S25878.05	MW-6	Groundwater	07/01/21 13:29
S25878.06	MW-7	Groundwater	07/01/21 18:30

Analytical Laboratory Report

Lab Sample ID: S25878.01
Sample Tag: MW-1
Collected Date/Time: 07/01/2021 14:45
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	07/07/21 11:00	CCM	
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	
Metal Digestion	Completed	SW3015A	07/02/21 14:10	CCM	
PNA Extraction	Completed	SW3510C	07/07/21 11:00	TJT	

Metals

Method: E200.8, Run Date: 07/02/21 15:51, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	

Method: E245.1, Run Date: 07/07/21 15:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury, Dissolved	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon, Method: SW8270D, Run Date: 07/07/21 19:52, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	5		ug/L	2	83-32-9	
Acenaphthylene	Not detected	5		ug/L	2	208-96-8	
Anthracene	Not detected	5		ug/L	2	120-12-7	
Benzo(a)anthracene	Not detected	1		ug/L	2	56-55-3	
Benzo(a)pyrene	Not detected	1		ug/L	2	50-32-8	
Benzo(b)fluoranthene	Not detected	1		ug/L	2	205-99-2	
Benzo(k)fluoranthene	Not detected	1		ug/L	2	207-08-9	
Benzo(ghi)perylene	Not detected	1		ug/L	2	191-24-2	
Chrysene	Not detected	1		ug/L	2	218-01-9	
Dibenzo(ah)anthracene	Not detected	2		ug/L	2	53-70-3	
Fluoranthene	Not detected	1		ug/L	2	206-44-0	
Fluorene	Not detected	5		ug/L	2	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	2		ug/L	2	193-39-5	
Naphthalene	Not detected	5		ug/L	2	91-20-3	
Phenanthrene	Not detected	2		ug/L	2	85-01-8	
Pyrene	Not detected	5		ug/L	2	129-00-0	
2-Methylnaphthalene	Not detected	5		ug/L	2	91-57-6	
1-Methylnaphthalene	Not detected	5		ug/L	2	90-12-0	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 14:46, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	50		ug/L	1	67-64-1	

Lab Sample ID: S25878.01 (continued)
Sample Tag: MW-1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 14:46, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Benzene	Not detected	1		ug/L	1	71-43-2	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Styrene	Not detected	1		ug/L	1	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	

Lab Sample ID: S25878.01 (continued)

Sample Tag: MW-1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 14:46, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Toluene	Not detected	1		ug/L	1	108-88-3	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
o-Xylene	Not detected	1		ug/L	1	95-47-6	
p,m-Xylene*	Not detected	2		ug/L	1		

Analytical Laboratory Report

Lab Sample ID: S25878.02
Sample Tag: MW-2
Collected Date/Time: 07/01/2021 13:07
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	07/07/21 11:00	CCM	
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	
Metal Digestion	Completed	SW3015A	07/02/21 14:10	CCM	
PNA Extraction	Completed	SW3510C	07/07/21 11:00	TJT	

Metals

Method: E200.8, Run Date: 07/02/21 15:52, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	

Method: E245.1, Run Date: 07/07/21 15:17, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury, Dissolved	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon, Method: SW8270D, Run Date: 07/07/21 20:09, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	5		ug/L	2	83-32-9	
Acenaphthylene	Not detected	5		ug/L	2	208-96-8	
Anthracene	Not detected	5		ug/L	2	120-12-7	
Benzo(a)anthracene	Not detected	1		ug/L	2	56-55-3	
Benzo(a)pyrene	Not detected	1		ug/L	2	50-32-8	
Benzo(b)fluoranthene	Not detected	1		ug/L	2	205-99-2	
Benzo(k)fluoranthene	Not detected	1		ug/L	2	207-08-9	
Benzo(ghi)perylene	Not detected	1		ug/L	2	191-24-2	
Chrysene	Not detected	1		ug/L	2	218-01-9	
Dibenzo(ah)anthracene	Not detected	2		ug/L	2	53-70-3	
Fluoranthene	Not detected	1		ug/L	2	206-44-0	
Fluorene	Not detected	5		ug/L	2	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	2		ug/L	2	193-39-5	
Naphthalene	Not detected	5		ug/L	2	91-20-3	
Phenanthrene	Not detected	2		ug/L	2	85-01-8	
Pyrene	Not detected	5		ug/L	2	129-00-0	
2-Methylnaphthalene	Not detected	5		ug/L	2	91-57-6	
1-Methylnaphthalene	Not detected	5		ug/L	2	90-12-0	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:05, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	50		ug/L	1	67-64-1	

Lab Sample ID: S25878.02 (continued)
Sample Tag: MW-2

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:05, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Benzene	Not detected	1		ug/L	1	71-43-2	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Styrene	Not detected	1		ug/L	1	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	

Lab Sample ID: S25878.02 (continued)
Sample Tag: MW-2

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:05, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Toluene	Not detected	1		ug/L	1	108-88-3	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
o-Xylene	Not detected	1		ug/L	1	95-47-6	
p,m-Xylene*	Not detected	2		ug/L	1		

Analytical Laboratory Report

Lab Sample ID: S25878.03
Sample Tag: MW-4
Collected Date/Time: 07/01/2021 14:18
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	07/07/21 11:00	CCM	
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	
Metal Digestion	Completed	SW3015A	07/02/21 14:10	CCM	
PNA Extraction	Completed	SW3510C	07/07/21 11:00	TJT	

Metals

Method: E200.8, Run Date: 07/02/21 15:52, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead, Dissolved	0.005	0.003		mg/L	5	7439-92-1	

Method: E245.1, Run Date: 07/07/21 15:19, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury, Dissolved	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon, Method: SW8270D, Run Date: 07/07/21 20:26, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	5		ug/L	2	83-32-9	
Acenaphthylene	Not detected	5		ug/L	2	208-96-8	
Anthracene	Not detected	5		ug/L	2	120-12-7	
Benzo(a)anthracene	Not detected	1		ug/L	2	56-55-3	
Benzo(a)pyrene	Not detected	1		ug/L	2	50-32-8	
Benzo(b)fluoranthene	Not detected	1		ug/L	2	205-99-2	
Benzo(k)fluoranthene	Not detected	1		ug/L	2	207-08-9	
Benzo(ghi)perylene	Not detected	1		ug/L	2	191-24-2	
Chrysene	Not detected	1		ug/L	2	218-01-9	
Dibenzo(ah)anthracene	Not detected	2		ug/L	2	53-70-3	
Fluoranthene	Not detected	1		ug/L	2	206-44-0	
Fluorene	Not detected	5		ug/L	2	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	2		ug/L	2	193-39-5	
Naphthalene	Not detected	5		ug/L	2	91-20-3	
Phenanthrene	Not detected	2		ug/L	2	85-01-8	
Pyrene	Not detected	5		ug/L	2	129-00-0	
2-Methylnaphthalene	Not detected	5		ug/L	2	91-57-6	
1-Methylnaphthalene	Not detected	5		ug/L	2	90-12-0	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:24, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	50		ug/L	1	67-64-1	

Lab Sample ID: S25878.03 (continued)
Sample Tag: MW-4

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Benzene	Not detected	1		ug/L	1	71-43-2	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Styrene	Not detected	1		ug/L	1	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	

Lab Sample ID: S25878.03 (continued)
Sample Tag: MW-4

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Toluene	Not detected	1		ug/L	1	108-88-3	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
o-Xylene	Not detected	1		ug/L	1	95-47-6	
p,m-Xylene*	Not detected	2		ug/L	1		

Analytical Laboratory Report

Lab Sample ID: S25878.04
Sample Tag: MW-5
Collected Date/Time: 07/01/2021 14:15
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	07/07/21 11:00	CCM	
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	
Metal Digestion	Completed	SW3015A	07/02/21 14:10	CCM	
PNA Extraction	Completed	SW3510C	07/07/21 11:00	TJT	

Metals

Method: E200.8, Run Date: 07/02/21 15:53, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	

Method: E245.1, Run Date: 07/07/21 15:21, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury, Dissolved	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon, Method: SW8270D, Run Date: 07/07/21 20:43, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	5		ug/L	2	83-32-9	
Acenaphthylene	Not detected	5		ug/L	2	208-96-8	
Anthracene	Not detected	5		ug/L	2	120-12-7	
Benzo(a)anthracene	Not detected	1		ug/L	2	56-55-3	
Benzo(a)pyrene	Not detected	1		ug/L	2	50-32-8	
Benzo(b)fluoranthene	Not detected	1		ug/L	2	205-99-2	
Benzo(k)fluoranthene	Not detected	1		ug/L	2	207-08-9	
Benzo(ghi)perylene	Not detected	1		ug/L	2	191-24-2	
Chrysene	Not detected	1		ug/L	2	218-01-9	
Dibenzo(ah)anthracene	Not detected	2		ug/L	2	53-70-3	
Fluoranthene	Not detected	1		ug/L	2	206-44-0	
Fluorene	Not detected	5		ug/L	2	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	2		ug/L	2	193-39-5	
Naphthalene	Not detected	5		ug/L	2	91-20-3	
Phenanthrene	Not detected	2		ug/L	2	85-01-8	
Pyrene	Not detected	5		ug/L	2	129-00-0	
2-Methylnaphthalene	Not detected	5		ug/L	2	91-57-6	
1-Methylnaphthalene	Not detected	5		ug/L	2	90-12-0	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:43, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	50		ug/L	1	67-64-1	

Lab Sample ID: S25878.04 (continued)
Sample Tag: MW-5

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Benzene	Not detected	1		ug/L	1	71-43-2	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
sec-Butylbenzene	2	1		ug/L	1	135-98-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Styrene	Not detected	1		ug/L	1	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	

Lab Sample ID: S25878.04 (continued)
Sample Tag: MW-5

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 15:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Toluene	Not detected	1		ug/L	1	108-88-3	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
o-Xylene	Not detected	1		ug/L	1	95-47-6	
p,m-Xylene*	Not detected	2		ug/L	1		

Analytical Laboratory Report

Lab Sample ID: S25878.05
Sample Tag: MW-6
Collected Date/Time: 07/01/2021 13:29
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	07/07/21 11:00	CCM	
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	
Metal Digestion	Completed	SW3015A	07/02/21 14:10	CCM	
PNA Extraction	Completed	SW3510C	07/08/21 11:00	TTV	

Metals

Method: E200.8, Run Date: 07/02/21 15:54, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead, Dissolved	Not detected	0.003		mg/L	5	7439-92-1	

Method: E245.1, Run Date: 07/07/21 15:23, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury, Dissolved	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon, Method: SW8270D, Run Date: 07/09/21 02:35, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	5		ug/L	2	83-32-9	
Acenaphthylene	Not detected	5		ug/L	2	208-96-8	
Anthracene	Not detected	5		ug/L	2	120-12-7	
Benzo(a)anthracene	Not detected	1		ug/L	2	56-55-3	
Benzo(a)pyrene	Not detected	1		ug/L	2	50-32-8	
Benzo(b)fluoranthene	Not detected	1		ug/L	2	205-99-2	
Benzo(k)fluoranthene	Not detected	1		ug/L	2	207-08-9	
Benzo(ghi)perylene	Not detected	1		ug/L	2	191-24-2	
Chrysene	Not detected	1		ug/L	2	218-01-9	
Dibenzo(ah)anthracene	Not detected	2		ug/L	2	53-70-3	
Fluoranthene	Not detected	1		ug/L	2	206-44-0	
Fluorene	Not detected	5		ug/L	2	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	2		ug/L	2	193-39-5	
Naphthalene	Not detected	5		ug/L	2	91-20-3	
Phenanthrene	Not detected	2		ug/L	2	85-01-8	
Pyrene	Not detected	5		ug/L	2	129-00-0	
2-Methylnaphthalene	Not detected	5		ug/L	2	91-57-6	
1-Methylnaphthalene	Not detected	5		ug/L	2	90-12-0	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 16:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	50		ug/L	1	67-64-1	

Lab Sample ID: S25878.05 (continued)
Sample Tag: MW-6

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 16:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Benzene	Not detected	1		ug/L	1	71-43-2	
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
Bromomethane	Not detected	5		ug/L	1	74-83-9	
sec-Butylbenzene	3	1		ug/L	1	135-98-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Styrene	Not detected	1		ug/L	1	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	

Lab Sample ID: S25878.05 (continued)
Sample Tag: MW-6

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 16:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Tetrahydrofuran*	Not detected	90		ug/L	1	109-99-9	
Toluene	Not detected	1		ug/L	1	108-88-3	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
o-Xylene	Not detected	1		ug/L	1	95-47-6	
p,m-Xylene*	Not detected	2		ug/L	1		

Analytical Laboratory Report

Lab Sample ID: S25878.06
Sample Tag: MW-7
Collected Date/Time: 07/01/2021 18:30
Matrix: Groundwater
COC Reference: 116210

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	07/08/21 11:08	REC	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 16:21, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acetone	Not detected	250		ug/L	5	67-64-1	Y
Acrylonitrile	Not detected	10		ug/L	5	107-13-1	Y
2-Butanone (MEK)	Not detected	130		ug/L	5	78-93-3	Y
Benzene	16	5		ug/L	5	71-43-2	Y
n-Butylbenzene	30	5		ug/L	5	104-51-8	Y
Bromobenzene	Not detected	5		ug/L	5	108-86-1	Y
Bromochloromethane	Not detected	5		ug/L	5	74-97-5	Y
Bromodichloromethane	Not detected	5		ug/L	5	75-27-4	Y
Bromoform	Not detected	5		ug/L	5	75-25-2	Y
Bromomethane	Not detected	30		ug/L	5	74-83-9	Y
sec-Butylbenzene	17	5		ug/L	5	135-98-8	Y
tert-Butylbenzene	Not detected	5		ug/L	5	98-06-6	Y
Carbon disulfide	Not detected	30		ug/L	5	75-15-0	Y
Carbon tetrachloride	Not detected	5		ug/L	5	56-23-5	Y
Chlorobenzene	Not detected	5		ug/L	5	108-90-7	Y
Chloroethane	Not detected	30		ug/L	5	75-00-3	Y
Chloroform	Not detected	5		ug/L	5	67-66-3	Y
Chloromethane	Not detected	30		ug/L	5	74-87-3	Y
1,1-Dichloroethane	Not detected	5		ug/L	5	75-34-3	Y
1,1-Dichloroethene	Not detected	5		ug/L	5	75-35-4	Y
1,2-Dibromo-3-chloropropane	Not detected	30		ug/L	5	96-12-8	Y
1,2-Dibromoethane	Not detected	5		ug/L	5	106-93-4	Y
1,2-Dichlorobenzene	Not detected	5		ug/L	5	95-50-1	Y
1,2-Dichloroethane	Not detected	5		ug/L	5	107-06-2	Y
1,2-Dichloropropane	Not detected	5		ug/L	5	78-87-5	Y
1,3-Dichlorobenzene	Not detected	5		ug/L	5	541-73-1	Y
1,4-Dichlorobenzene	Not detected	5		ug/L	5	106-46-7	Y
cis-1,2-Dichloroethene	Not detected	5		ug/L	5	156-59-2	Y
cis-1,3-Dichloropropene	Not detected	5		ug/L	5	10061-01-5	Y
Dibromochloromethane	Not detected	30		ug/L	5	124-48-1	Y
Dibromomethane	Not detected	30		ug/L	5	74-95-3	Y
Dichlorodifluoromethane	Not detected	30		ug/L	5	75-71-8	Y
Diethyl ether	Not detected	50		ug/L	5	60-29-7	Y
trans-1,2-Dichloroethene	Not detected	5		ug/L	5	156-60-5	Y
trans-1,3-Dichloropropene	Not detected	5		ug/L	5	10061-02-6	Y
trans-1,4-Dichloro-2-butene	Not detected	5		ug/L	5	110-57-6	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S25878.06 (continued)
Sample Tag: MW-7

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 07/07/21 16:21, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Ethylbenzene	79	5		ug/L	5	100-41-4	Y
2-Hexanone	Not detected	250		ug/L	5	591-78-6	Y
Hexachloroethane	Not detected	30		ug/L	5	67-72-1	Y
p-Isopropyltoluene	Not detected	30		ug/L	5	99-87-6	Y
Isopropylbenzene	30	30		ug/L	5	98-82-8	Y
2-Methylnaphthalene	Not detected	30		ug/L	5	91-57-6	Y
4-Methyl-2-pentanone (MIBK)	Not detected	250		ug/L	5	108-10-1	Y
tert-Methyl butyl ether (MTBE)	Not detected	30		ug/L	5	1634-04-4	Y
Methyl iodide	Not detected	5		ug/L	5	74-88-4	Y
Methylene chloride	Not detected	30		ug/L	5	75-09-2	Y
Naphthalene	60	30		ug/L	5	91-20-3	Y
n-Propylbenzene	59	5		ug/L	5	103-65-1	Y
Styrene	Not detected	5		ug/L	5	100-42-5	Y
1,1,1,2-Tetrachloroethane	Not detected	5		ug/L	5	630-20-6	Y
1,1,1-Trichloroethane	Not detected	5		ug/L	5	71-55-6	Y
1,1,2,2-Tetrachloroethane	Not detected	5		ug/L	5	79-34-5	Y
1,1,2-Trichloroethane	Not detected	5		ug/L	5	79-00-5	Y
1,2,3-Trichlorobenzene	Not detected	30		ug/L	5	87-61-6	Y
1,2,3-Trichloropropane	Not detected	5		ug/L	5	96-18-4	Y
1,2,3-Trimethylbenzene	133	5		ug/L	5	526-73-8	Y
1,2,4-Trichlorobenzene	Not detected	30		ug/L	5	120-82-1	Y
1,2,4-Trimethylbenzene	331	5		ug/L	5	95-63-6	Y
1,3,5-Trimethylbenzene	63	5		ug/L	5	108-67-8	Y
Tetrachloroethene	Not detected	5		ug/L	5	127-18-4	Y
Tetrahydrofuran*	Not detected	450		ug/L	5	109-99-9	Y
Toluene	Not detected	5		ug/L	5	108-88-3	Y
Trichloroethene	Not detected	5		ug/L	5	79-01-6	Y
Trichlorofluoromethane	Not detected	5		ug/L	5	75-69-4	Y
Vinyl chloride	Not detected	5		ug/L	5	75-01-4	Y
o-Xylene	Not detected	5		ug/L	5	95-47-6	Y
p,m-Xylene*	60	10		ug/L	5		Y

Y-Elevated reporting limit due to high target concentration

Merit Laboratories Login Checklist

Lab Set ID: S25878
Client: KECK (Keck Consulting)
Project: 475-1483
Submitted: 07/02/2021 09:40 Login User: MMC

Attention: John Bomba
Address: Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 FAX:
Email: j.bomba@keckconsulting.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.4
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[X] Yes	[ ] No	[ ] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S25878 Submitted: 07/02/2021 09:40

Client: KECK (Keck Consulting)

Project: 475-1483

Initial Preservation Check: 07/02/2021 09:51 MMC

Preservation Recheck (E200.8): N/A

Attention: John Bomba
Address: Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 FAX:
Email: j.bomba@keckconsulting.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S25878.01	125ml Plastic HNO3	<2			
S25878.02	125ml Plastic HNO3	<2			
S25878.03	125ml Plastic HNO3	<2			
S25878.04	125ml Plastic HNO3	<2			
S25878.05	125ml Plastic HNO3	<2			

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

116210

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	John Bombay
COMPANY	KELK Consulting
ADDRESS	110 KNAPP DR, PO Box 2650
CITY	Battle Creek
STATE	MI
ZIP CODE	49016
PHONE NO.	
FAX NO.	
P.O. NO.	
E-MAIL ADDRESS	j.bombay@kelkconsulting.com
QUOTE NO.	

INVOICE TO

CONTACT NAME	
☑ SAME	
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
E-MAIL ADDRESS	

PROJECT NO./NAME: 475-1483

SAMPLER(S) - PLEASE PRINT/SIGN NAME: Eric Knickert / Kyle Wakabayashi

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☑ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG. IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	BNAs	Dis Pb	Dis Fe	Special Instructions
25878.01	7/1/21	1445	mw-1	GW	5	1	3	1					X	X	X	X	Field Filtered
.02	7/1/21	1307	mw-2	GW	5								X	X	X	X	
.03	7/1/21	1418	mw-4	GW	5								X	X	X	X	
.04	7/1/21	1415	mw-5	GW	5								X	X	X	X	
.05	7/1/21	1329	mw-6	GW	5								X	X	X	X	
.06	7/1/21	1830	mw-7	GW	3		3						X				

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☑ Sampler	DATE 7/1/21	TIME 1920
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 7/1/21	TIME 1920
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 7/2/21	TIME 9:40
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 7/2/21	TIME 0940

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Supplemental Report

Report ID: S27600.01(02)
Generated on 09/09/2021
Replaces report S27600.01(01) generated on 09/03/2021

Report to

Attention: John Bomba
Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 C:269-209-2558 FAX:
Email: j.bomba@keckconsulting.com

Addtional Contacts: Doug Ervin, Eric Ruckert

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S27600.01-S27600.59
Project: 475-1483
Collected Date(s): 08/25/2021 - 08/27/2021
Submitted Date/Time: 08/27/2021 14:30
Sampled by: Eric Ruckert
P.O. #:

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Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.
Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Report Narrative

GRO and DRO added to samples .14, .16, .22, .34, .36, .37, .39, .40, .43, .44, and .57 per client request

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2011
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW5035A	SW 846 Method 5035A Revision 1 July 2002
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270D	SW 846 Method 8270D Revision 4 February 2007

Sample Summary (59 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S27600.01	SB-13 19.5-20	Soil	08/25/21 09:02
S27600.02	SB-14 15.5-16	Soil	08/25/21 09:52
S27600.03	SB-15 6-6.5	Soil	08/25/21 10:07
S27600.04	SB-15 14.5-15	Soil	08/25/21 10:22
S27600.05	SB-15 19.5-20	Soil	08/25/21 10:26
S27600.06	SB-16 6.5-7	Soil	08/25/21 11:02
S27600.07	SB-16 15.5-16	Soil	08/25/21 11:13
S27600.08	SB-17 6.5-7	Soil	08/25/21 11:31
S27600.09	SB-17 15.5-16	Soil	08/25/21 11:36
S27600.10	SB-18 6.5-7	Soil	08/25/21 11:50
S27600.11	SB-18 15.5-16	Soil	08/25/21 12:02
S27600.12	SB-19 9.5-10.5	Soil	08/25/21 12:37
S27600.13	SB-19 19.5-20	Soil	08/25/21 13:14
S27600.14	SB-20 10.5-11	Soil	08/25/21 14:11
S27600.15	SB-20 11.5-12	Soil	08/25/21 14:13
S27600.16	SB-20 15.5-16	Soil	08/25/21 14:15
S27600.17	SB-14 19.5-20	Soil	08/25/21 09:41
S27600.18	SB-21 6-6.5	Soil	08/25/21 14:32
S27600.19	SB-21 15.5-16	Soil	08/25/21 14:39
S27600.20	SB-21 19.5-20	Soil	08/25/21 14:47
S27600.21	SB-22 7.5-8	Soil	08/25/21 15:15
S27600.22	SB-22 15.5-16	Soil	08/25/21 15:30
S27600.23	SB-23 11.5-12	Soil	08/25/21 16:05
S27600.24	SB-24 7.5-8	Soil	08/25/21 16:25
S27600.25	SB-24 11.5-12	Soil	08/25/21 16:34
S27600.26	SB-24 17-17.5	Soil	08/25/21 16:40
S27600.27	SB-25 4.9-5.2	Soil	08/26/21 10:26
S27600.28	SB-25 11.5-12	Soil	08/26/21 10:30
S27600.29	SB-25 16.5-17	Soil	08/26/21 10:40
S27600.30	SB-26 6.5-7	Soil	08/26/21 09:39
S27600.31	SB-26 11.5-12	Soil	08/26/21 09:42
S27600.32	SB-26 19-20	Soil	08/26/21 10:03
S27600.33	SB-27 4.9-5.2	Soil	08/26/21 08:51
S27600.34	SB-27 6.5-7	Soil	08/26/21 08:44
S27600.35	SB-27 15.5-16	Soil	08/26/21 08:50
S27600.36	SB-28 6.5-7	Soil	08/26/21 08:14
S27600.37	SB-29 4.9-5.2	Soil	08/26/21 09:15
S27600.38	SB-29 6.5-7	Soil	08/26/21 09:16
S27600.39	SB-31 6-7	Soil	08/26/21 11:35
S27600.40	SB-31 10-10.5	Soil	08/26/21 11:43
S27600.41	SB-31 11.5-12	Soil	08/26/21 11:39
S27600.42	SB-32 15.5-16	Soil	08/26/21 12:47
S27600.43	SB-33 6-6.5	Soil	08/26/21 13:31
S27600.44	SB-33 15.5-16	Soil	08/26/21 14:00
S27600.45	SB-34 3.5-4	Soil	08/26/21 14:22
S27600.46	SB-34 11.5-12	Soil	08/26/21 14:32
S27600.47	SB-34 15.5-16	Soil	08/26/21 14:34
S27600.48	SB-35 6.5-7	Soil	08/26/21 14:57
S27600.49	SB-35 17-17.5	Soil	08/26/21 15:14
S27600.50	SB-30 3.5-4	Soil	08/27/21 11:48
S27600.51	SB-36 6.2-6.7	Soil	08/27/21 07:57
S27600.52	SB-36 11.5-12	Soil	08/27/21 08:02
S27600.53	SB-37 7-7.5	Soil	08/27/21 08:35

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S27600.54	SB-37 11.5-12	Soil	08/27/21 08:52
S27600.55	SB-38 3.5-4	Soil	08/27/21 09:14
S27600.56	SB-38 6-6.5	Soil	08/27/21 09:20
S27600.57	SB-39 3.5-4	Soil	08/27/21 09:42
S27600.58	SB-40 7.5-8	Soil	08/27/21 10:17
S27600.59	SB-40 10-11	Soil	08/27/21 10:13

Lab Sample ID: S27600.01
Sample Tag: SB-13 19.5-20
Collected Date/Time: 08/25/2021 09:02
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.337/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	87	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 20:17, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 22:42, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	63.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	63.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	63.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	63.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	63.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	63.6	107-13-1	
2-Butanone (MEK)	Not detected	950		ug/kg	63.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	63.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	63.6	74-87-3	

Lab Sample ID: S27600.01 (continued)

Sample Tag: SB-13 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 22:42, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	63.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	63.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	63.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	63.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	63.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	63.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	63.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	63.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	63.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	63.6	109-99-9	
Chloroform	Not detected	60		ug/kg	63.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	63.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	63.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	63.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	63.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	63.6	56-23-5	
Benzene	Not detected	60		ug/kg	63.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	63.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	63.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	63.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	63.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	63.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	63.6	10061-01-5	
Toluene	Not detected	60		ug/kg	63.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	63.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	63.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	63.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	63.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	63.6	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	63.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	63.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	63.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	63.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	63.6		
o-Xylene	Not detected	60		ug/kg	63.6	95-47-6	
Styrene	Not detected	60		ug/kg	63.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	63.6	98-82-8	
Bromoform	Not detected	100		ug/kg	63.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	63.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	63.6	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	63.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	63.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	63.6	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	63.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	63.6	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	63.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	63.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	63.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	63.6	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.01 (continued)

Sample Tag: SB-13 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 22:42, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	63.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	63.6	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	63.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	63.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	63.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	420		ug/kg	63.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	420		ug/kg	63.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	63.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	63.6	91-57-6	

Lab Sample ID: S27600.02
Sample Tag: SB-14 15.5-16
Collected Date/Time: 08/25/2021 09:52
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.038/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 20:34, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:54, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.9	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.9	74-87-3	

Lab Sample ID: S27600.02 (continued)

Sample Tag: SB-14 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.9	109-99-9	
Chloroform	Not detected	60		ug/kg	60.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.9	56-23-5	
Benzene	Not detected	60		ug/kg	60.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-01-5	
Toluene	Not detected	60		ug/kg	60.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.9	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.9		
o-Xylene	Not detected	60		ug/kg	60.9	95-47-6	
Styrene	Not detected	60		ug/kg	60.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.9	98-82-8	
Bromoform	Not detected	100		ug/kg	60.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.9	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.9	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.9	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.02 (continued)

Sample Tag: SB-14 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.9	91-57-6	

Lab Sample ID: S27600.03
Sample Tag: SB-15 6-6.5
Collected Date/Time: 08/25/2021 10:07
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.214/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	83	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 20:51, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:16, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	69.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	69.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	69.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	69.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	69.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	69.6	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	69.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	69.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	69.6	74-87-3	

Lab Sample ID: S27600.03 (continued)

Sample Tag: SB-15 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:16, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	70		ug/kg	69.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	69.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	69.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	69.6	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	69.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	69.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	69.6	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	69.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	69.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	69.6	109-99-9	
Chloroform	Not detected	70		ug/kg	69.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	69.6	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	69.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	69.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	69.6	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	69.6	56-23-5	
Benzene	Not detected	70		ug/kg	69.6	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	69.6	107-06-2	
Trichloroethene	Not detected	70		ug/kg	69.6	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	69.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	69.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	69.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	69.6	10061-01-5	
Toluene	Not detected	70		ug/kg	69.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	69.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	69.6	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	69.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	69.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	69.6	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	69.6	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	69.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	69.6	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	69.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	69.6		
o-Xylene	Not detected	70		ug/kg	69.6	95-47-6	
Styrene	Not detected	70		ug/kg	69.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	69.6	98-82-8	
Bromoform	Not detected	100		ug/kg	69.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	69.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	69.6	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	69.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	69.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	69.6	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	69.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	69.6	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	69.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	69.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	69.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	69.6	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.03 (continued)

Sample Tag: SB-15 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:16, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	69.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	69.6	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	69.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	69.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	69.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	460		ug/kg	69.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	460		ug/kg	69.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	69.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	69.6	91-57-6	

Lab Sample ID: S27600.04
Sample Tag: SB-15 14.5-15
Collected Date/Time: 08/25/2021 10:22
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.686/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 21:09, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.3	107-13-1	
2-Butanone (MEK)	Not detected	890		ug/kg	59.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.3	74-87-3	

Lab Sample ID: S27600.04 (continued)

Sample Tag: SB-15 14.5-15

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	59.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.3	109-99-9	
Chloroform	Not detected	60		ug/kg	59.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.3	56-23-5	
Benzene	Not detected	60		ug/kg	59.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.3	10061-01-5	
Toluene	Not detected	60		ug/kg	59.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.3		
o-Xylene	Not detected	60		ug/kg	59.3	95-47-6	
Styrene	Not detected	60		ug/kg	59.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.3	98-82-8	
Bromoform	Not detected	100		ug/kg	59.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.3	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.04 (continued)

Sample Tag: SB-15 14.5-15

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.3	91-57-6	

Lab Sample ID: S27600.05
Sample Tag: SB-15 19.5-20
Collected Date/Time: 08/25/2021 10:26
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.404/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	87	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 21:26, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	63.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	63.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	63.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	63.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	63.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	63.1	107-13-1	
2-Butanone (MEK)	Not detected	950		ug/kg	63.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	63.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	63.1	74-87-3	

Lab Sample ID: S27600.05 (continued)

Sample Tag: SB-15 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	63.1	75-01-4	
Bromomethane	Not detected	300		ug/kg	63.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	63.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	63.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	63.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	63.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	63.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	63.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	63.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	63.1	109-99-9	
Chloroform	Not detected	60		ug/kg	63.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	63.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	63.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	63.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	63.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	63.1	56-23-5	
Benzene	Not detected	60		ug/kg	63.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	63.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	63.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	63.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	63.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	63.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	63.1	10061-01-5	
Toluene	Not detected	60		ug/kg	63.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	63.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	63.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	63.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	63.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	63.1	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	63.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	63.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	63.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	63.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	63.1		
o-Xylene	Not detected	60		ug/kg	63.1	95-47-6	
Styrene	Not detected	60		ug/kg	63.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	63.1	98-82-8	
Bromoform	Not detected	100		ug/kg	63.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	63.1	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	63.1	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	63.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	63.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	63.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	63.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	63.1	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	63.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	63.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	63.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	63.1	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.05 (continued)

Sample Tag: SB-15 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	63.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	63.1	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	63.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	63.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	63.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	420		ug/kg	63.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	420		ug/kg	63.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	63.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	63.1	91-57-6	

Lab Sample ID: S27600.06
Sample Tag: SB-16 6.5-7
Collected Date/Time: 08/25/2021 11:02
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.665/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 21:43, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	600	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:24, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.9	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.9	74-87-3	

Lab Sample ID: S27600.06 (continued)

Sample Tag: SB-16 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.9	109-99-9	
Chloroform	Not detected	60		ug/kg	60.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.9	56-23-5	
Benzene	Not detected	60		ug/kg	60.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-01-5	
Toluene	Not detected	60		ug/kg	60.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.9	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.9	630-20-6	
Ethylbenzene	210	60		ug/kg	60.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.9		
o-Xylene	Not detected	60		ug/kg	60.9	95-47-6	
Styrene	Not detected	60		ug/kg	60.9	100-42-5	
Isopropylbenzene	2,000	300		ug/kg	60.9	98-82-8	
Bromoform	Not detected	100		ug/kg	60.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.9	96-18-4	
n-Propylbenzene	5,840	60		ug/kg	60.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.9	108-86-1	
1,3,5-Trimethylbenzene	540	60		ug/kg	60.9	108-67-8	
tert-Butylbenzene	Not detected	150		ug/kg	60.9	98-06-6	X
1,2,4-Trimethylbenzene	3,670	60		ug/kg	60.9	95-63-6	
sec-Butylbenzene	3,760	60		ug/kg	60.9	135-98-8	
p-Isopropyltoluene	2,000	100		ug/kg	60.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.9	541-73-1	

M-Result reported to MDL not RDL

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.06 (continued)

Sample Tag: SB-16 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.9	95-50-1	
1,2,3-Trimethylbenzene	11,580	60		ug/kg	60.9	526-73-8	
n-Butylbenzene	7,360	60		ug/kg	60.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.9	87-61-6	
Naphthalene	1,100	300		ug/kg	60.9	91-20-3	
2-Methylnaphthalene	300	100		ug/kg	60.9	91-57-6	

Lab Sample ID: S27600.07
Sample Tag: SB-16 15.5-16
Collected Date/Time: 08/25/2021 11:13
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.086/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 22:00, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:47, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.7	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.7	74-87-3	

Lab Sample ID: S27600.07 (continued)

Sample Tag: SB-16 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:47, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.7	109-99-9	
Chloroform	Not detected	60		ug/kg	60.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.7	56-23-5	
Benzene	Not detected	60		ug/kg	60.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-01-5	
Toluene	Not detected	60		ug/kg	60.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.7		
o-Xylene	Not detected	60		ug/kg	60.7	95-47-6	
Styrene	Not detected	60		ug/kg	60.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.7	98-82-8	
Bromoform	Not detected	100		ug/kg	60.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.07 (continued)

Sample Tag: SB-16 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:47, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.7	91-57-6	

Lab Sample ID: S27600.08
Sample Tag: SB-17 6.5-7
Collected Date/Time: 08/25/2021 11:31
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.935/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 22:18, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:10, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.4	107-13-1	
2-Butanone (MEK)	Not detected	940		ug/kg	62.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.4	74-87-3	

Lab Sample ID: S27600.08 (continued)

Sample Tag: SB-17 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:10, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	62.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.4	109-99-9	
Chloroform	Not detected	60		ug/kg	62.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.4	56-23-5	
Benzene	Not detected	60		ug/kg	62.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.4	10061-01-5	
Toluene	Not detected	60		ug/kg	62.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.4		
o-Xylene	Not detected	60		ug/kg	62.4	95-47-6	
Styrene	Not detected	60		ug/kg	62.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.4	98-82-8	
Bromoform	Not detected	100		ug/kg	62.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.4	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.08 (continued)

Sample Tag: SB-17 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:10, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.4	91-57-6	

Lab Sample ID: S27600.09
Sample Tag: SB-17 15.5-16
Collected Date/Time: 08/25/2021 11:36
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.011/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 22:35, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:32, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.3	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.3	74-87-3	

Lab Sample ID: S27600.09 (continued)

Sample Tag: SB-17 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:32, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	62.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.3	109-99-9	
Chloroform	Not detected	60		ug/kg	62.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.3	56-23-5	
Benzene	Not detected	60		ug/kg	62.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-01-5	
Toluene	Not detected	60		ug/kg	62.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.3		
o-Xylene	Not detected	60		ug/kg	62.3	95-47-6	
Styrene	Not detected	60		ug/kg	62.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.3	98-82-8	
Bromoform	Not detected	100		ug/kg	62.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.3	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.09 (continued)

Sample Tag: SB-17 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:32, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.3	91-57-6	

Lab Sample ID: S27600.10
Sample Tag: SB-18 6.5-7
Collected Date/Time: 08/25/2021 11:50
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.055/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 11:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	9.68	0.30		mg/kg	245	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 22:52, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	2,700	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	900	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:55, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	66	60-29-7	
Acetone	Not detected	1,000		ug/kg	66	67-64-1	
Methyl iodide	Not detected	100		ug/kg	66	74-88-4	

Lab Sample ID: S27600.10 (continued)

Sample Tag: SB-18 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:55, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	66	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	66	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	66	107-13-1	
2-Butanone (MEK)	Not detected	990		ug/kg	66	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	66	75-71-8	
Chloromethane	Not detected	300		ug/kg	66	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	66	75-01-4	
Bromomethane	Not detected	300		ug/kg	66	74-83-9	
Chloroethane	Not detected	300		ug/kg	66	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	66	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	66	75-35-4	
Methylene chloride	Not detected	100		ug/kg	66	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	66	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	66	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	66	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	66	109-99-9	
Chloroform	Not detected	70		ug/kg	66	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	66	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	66	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	66	108-10-1	S
2-Hexanone	Not detected	3,000		ug/kg	66	591-78-6	S
Carbon tetrachloride	Not detected	70		ug/kg	66	56-23-5	S
Benzene	Not detected	70		ug/kg	66	71-43-2	S
1,2-Dichloroethane	Not detected	70		ug/kg	66	107-06-2	S
Trichloroethene	Not detected	70		ug/kg	66	79-01-6	S
1,2-Dichloropropane	Not detected	70		ug/kg	66	78-87-5	S
Bromodichloromethane	Not detected	100		ug/kg	66	75-27-4	S
Dibromomethane	Not detected	300		ug/kg	66	74-95-3	S
cis-1,3-Dichloropropene	Not detected	70		ug/kg	66	10061-01-5	S
Toluene	Not detected	70		ug/kg	66	108-88-3	S
trans-1,3-Dichloropropene	Not detected	70		ug/kg	66	10061-02-6	S
1,1,2-Trichloroethane	Not detected	70		ug/kg	66	79-00-5	S
Tetrachloroethene	Not detected	70		ug/kg	66	127-18-4	S
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	66	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	66	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	66	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	66	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	66	630-20-6	
Ethylbenzene	Not detected	120		ug/kg	66	100-41-4	X
p,m-Xylene	Not detected	100		ug/kg	66		
o-Xylene	Not detected	70		ug/kg	66	95-47-6	
Styrene	Not detected	70		ug/kg	66	100-42-5	
Isopropylbenzene	3,300	300		ug/kg	66	98-82-8	
Bromoform	Not detected	100		ug/kg	66	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	66	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	66	96-18-4	
n-Propylbenzene	9,170	70		ug/kg	66	103-65-1	

S-Surrogate recovery outside of control limits

M-Result reported to MDL not RDL

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.10 (continued)
Sample Tag: SB-18 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:55, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromobenzene	Not detected	100		ug/kg	66	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	66	108-67-8	
tert-Butylbenzene	110	70		ug/kg	66	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	66	95-63-6	
sec-Butylbenzene	5,570	70		ug/kg	66	135-98-8	
p-Isopropyltoluene	800	100		ug/kg	66	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	66	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	66	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	66	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	66	526-73-8	
n-Butylbenzene	10,700	70		ug/kg	66	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	66	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	66	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	66	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	66	87-61-6	
Naphthalene	5,700	300		ug/kg	66	91-20-3	
2-Methylnaphthalene	1,500	100		ug/kg	66	91-57-6	

Volatile Organics 5035 (Replicate 01), Method: SW5035A/8260C, Run Date: 08/31/21 19:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	3,000		ug/kg	660	60-29-7	X
Acetone	Not detected	10,000		ug/kg	660	67-64-1	X
Methyl iodide	Not detected	1,000		ug/kg	660	74-88-4	X
Carbon disulfide	Not detected	3,000		ug/kg	660	75-15-0	X
tert-Methyl butyl ether (MTBE)	Not detected	3,000		ug/kg	660	1634-04-4	X
Acrylonitrile	Not detected	1,000		ug/kg	660	107-13-1	X
2-Butanone (MEK)	Not detected	9,900		ug/kg	660	78-93-3	X
Dichlorodifluoromethane	Not detected	3,000		ug/kg	660	75-71-8	X
Chloromethane	Not detected	3,000		ug/kg	660	74-87-3	X
Vinyl chloride	Not detected	700		ug/kg	660	75-01-4	X
Bromomethane	Not detected	3,000		ug/kg	660	74-83-9	X
Chloroethane	Not detected	3,000		ug/kg	660	75-00-3	X
Trichlorofluoromethane	Not detected	1,000		ug/kg	660	75-69-4	X
1,1-Dichloroethene	Not detected	700		ug/kg	660	75-35-4	X
Methylene chloride	Not detected	1,000		ug/kg	660	75-09-2	X
trans-1,2-Dichloroethene	Not detected	700		ug/kg	660	156-60-5	X
1,1-Dichloroethane	Not detected	700		ug/kg	660	75-34-3	X
cis-1,2-Dichloroethene	Not detected	700		ug/kg	660	156-59-2	X
Tetrahydrofuran*	Not detected	10,000		ug/kg	660	109-99-9	X
Chloroform	Not detected	700		ug/kg	660	67-66-3	X
Bromochloromethane	Not detected	1,000		ug/kg	660	74-97-5	X
1,1,1-Trichloroethane	Not detected	700		ug/kg	660	71-55-6	X
4-Methyl-2-pentanone (MIBK)	Not detected	30,000		ug/kg	660	108-10-1	X
2-Hexanone	Not detected	30,000		ug/kg	660	591-78-6	X
Carbon tetrachloride	Not detected	700		ug/kg	660	56-23-5	X
Benzene	Not detected	700		ug/kg	660	71-43-2	X
1,2-Dichloroethane	Not detected	700		ug/kg	660	107-06-2	X
Trichloroethene	Not detected	700		ug/kg	660	79-01-6	X
1,2-Dichloropropane	Not detected	700		ug/kg	660	78-87-5	X

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.10 (continued)

Sample Tag: SB-18 6.5-7

Volatile Organics 5035 (Replicate 01), Method: SW5035A/8260C, Run Date: 08/31/21 19:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromodichloromethane	Not detected	1,000		ug/kg	660	75-27-4	X
Dibromomethane	Not detected	3,000		ug/kg	660	74-95-3	X
cis-1,3-Dichloropropene	Not detected	700		ug/kg	660	10061-01-5	X
Toluene	Not detected	700		ug/kg	660	108-88-3	X
trans-1,3-Dichloropropene	Not detected	700		ug/kg	660	10061-02-6	X
1,1,2-Trichloroethane	Not detected	700		ug/kg	660	79-00-5	X
Tetrachloroethene	Not detected	700		ug/kg	660	127-18-4	X
trans-1,4-Dichloro-2-butene	Not detected	700		ug/kg	660	110-57-6	X
Dibromochloromethane	Not detected	1,000		ug/kg	660	124-48-1	X
1,2-Dibromoethane	Not detected	300		ug/kg	660	106-93-4	XM
Chlorobenzene	Not detected	700		ug/kg	660	108-90-7	X
1,1,1,2-Tetrachloroethane	Not detected	1,000		ug/kg	660	630-20-6	X
Ethylbenzene	Not detected	700		ug/kg	660	100-41-4	X
p,m-Xylene	Not detected	1,000		ug/kg	660		X
o-Xylene	Not detected	700		ug/kg	660	95-47-6	X
Styrene	Not detected	700		ug/kg	660	100-42-5	X
Isopropylbenzene	Not detected	3,000		ug/kg	660	98-82-8	X
Bromoform	Not detected	1,000		ug/kg	660	75-25-2	X
1,1,2,2-Tetrachloroethane	Not detected	700		ug/kg	660	79-34-5	X
1,2,3-Trichloropropane	Not detected	1,000		ug/kg	660	96-18-4	X
n-Propylbenzene	8,300	700		ug/kg	660	103-65-1	X
Bromobenzene	Not detected	1,000		ug/kg	660	108-86-1	X
1,3,5-Trimethylbenzene	Not detected	700		ug/kg	660	108-67-8	X
tert-Butylbenzene	Not detected	700		ug/kg	660	98-06-6	X
1,2,4-Trimethylbenzene	Not detected	700		ug/kg	660	95-63-6	X
sec-Butylbenzene	5,100	700		ug/kg	660	135-98-8	X
p-Isopropyltoluene	Not detected	1,000		ug/kg	660	99-87-6	X
1,3-Dichlorobenzene	Not detected	1,000		ug/kg	660	541-73-1	X
1,4-Dichlorobenzene	Not detected	1,000		ug/kg	660	106-46-7	X
1,2-Dichlorobenzene	Not detected	1,000		ug/kg	660	95-50-1	X
1,2,3-Trimethylbenzene	Not detected	700		ug/kg	660	526-73-8	X
n-Butylbenzene	9,300	700		ug/kg	660	104-51-8	X
Hexachloroethane	Not detected	4,000		ug/kg	660	67-72-1	X
1,2-Dibromo-3-chloropropane	Not detected	3,000		ug/kg	660	96-12-8	X
1,2,4-Trichlorobenzene	Not detected	4,400		ug/kg	660	120-82-1	X
1,2,3-Trichlorobenzene	Not detected	4,400		ug/kg	660	87-61-6	X
Naphthalene	4,000	3,000		ug/kg	660	91-20-3	X
2-Methylnaphthalene	1,000	1,000		ug/kg	660	91-57-6	X

X-Elevated reporting limit due to matrix interference

M-Result reported to MDL not RDL

Lab Sample ID: S27600.11
Sample Tag: SB-18 15.5-16
Collected Date/Time: 08/25/2021 12:02
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.016/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 23:09, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:18, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61	60-29-7	
Acetone	Not detected	1,000		ug/kg	61	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61	107-13-1	
2-Butanone (MEK)	Not detected	920		ug/kg	61	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61	75-71-8	
Chloromethane	Not detected	300		ug/kg	61	74-87-3	

Lab Sample ID: S27600.11 (continued)

Sample Tag: SB-18 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:18, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	61	75-01-4	
Bromomethane	Not detected	200		ug/kg	61	74-83-9	
Chloroethane	Not detected	300		ug/kg	61	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61	109-99-9	
Chloroform	Not detected	60		ug/kg	61	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61	56-23-5	
Benzene	Not detected	60		ug/kg	61	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61	10061-01-5	
Toluene	Not detected	60		ug/kg	61	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61		
o-Xylene	Not detected	60		ug/kg	61	95-47-6	
Styrene	Not detected	60		ug/kg	61	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61	98-82-8	
Bromoform	Not detected	100		ug/kg	61	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	61	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	61	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.11 (continued)

Sample Tag: SB-18 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:18, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	61	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	61	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	61	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	61	87-61-6	
Naphthalene	Not detected	300		ug/kg	61	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61	91-57-6	

Lab Sample ID: S27600.12
Sample Tag: SB-19 9.5-10.5
Collected Date/Time: 08/25/2021 12:37
Matrix: Soil
COC Reference: 116281

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.505/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	76	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:03, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	5.27	0.30		mg/kg	290	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 08/31/21 23:26, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	75,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 23:26, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	1,400	300		ug/kg	1.5	91-20-3	
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	500	300		ug/kg	1.5	91-57-6	

Lab Sample ID: S27600.12 (continued)
Sample Tag: SB-19 9.5-10.5

Organics - Volatiles

Method: SW8015M, Run Date: 08/30/21 19:40, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	223,000	8,000		ug/kg	79.1		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:40, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	79.1	60-29-7	
Acetone	Not detected	2,000		ug/kg	79.1	67-64-1	
Methyl iodide	Not detected	200		ug/kg	79.1	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	79.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	79.1	1634-04-4	
Acrylonitrile	Not detected	200		ug/kg	79.1	107-13-1	
2-Butanone (MEK)	Not detected	1,200		ug/kg	79.1	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	79.1	75-71-8	
Chloromethane	Not detected	400		ug/kg	79.1	74-87-3	
Vinyl chloride	Not detected	80		ug/kg	79.1	75-01-4	
Bromomethane	Not detected	300		ug/kg	79.1	74-83-9	
Chloroethane	Not detected	400		ug/kg	79.1	75-00-3	
Trichlorofluoromethane	Not detected	200		ug/kg	79.1	75-69-4	
1,1-Dichloroethene	Not detected	80		ug/kg	79.1	75-35-4	
Methylene chloride	Not detected	200		ug/kg	79.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	80		ug/kg	79.1	156-60-5	
1,1-Dichloroethane	Not detected	80		ug/kg	79.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	80		ug/kg	79.1	156-59-2	
Tetrahydrofuran*	Not detected	2,000		ug/kg	79.1	109-99-9	
Chloroform	Not detected	80		ug/kg	79.1	67-66-3	
Bromochloromethane	Not detected	200		ug/kg	79.1	74-97-5	
1,1,1-Trichloroethane	Not detected	80		ug/kg	79.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	79.1	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	79.1	591-78-6	
Carbon tetrachloride	Not detected	80		ug/kg	79.1	56-23-5	
Benzene	Not detected	80		ug/kg	79.1	71-43-2	
1,2-Dichloroethane	Not detected	80		ug/kg	79.1	107-06-2	
Trichloroethene	Not detected	80		ug/kg	79.1	79-01-6	
1,2-Dichloropropane	Not detected	80		ug/kg	79.1	78-87-5	
Bromodichloromethane	Not detected	200		ug/kg	79.1	75-27-4	
Dibromomethane	Not detected	400		ug/kg	79.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	80		ug/kg	79.1	10061-01-5	
Toluene	Not detected	80		ug/kg	79.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	80		ug/kg	79.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	80		ug/kg	79.1	79-00-5	
Tetrachloroethene	Not detected	80		ug/kg	79.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	80		ug/kg	79.1	110-57-6	
Dibromochloromethane	Not detected	200		ug/kg	79.1	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	79.1	106-93-4	M
Chlorobenzene	Not detected	80		ug/kg	79.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	200		ug/kg	79.1	630-20-6	
Ethylbenzene	Not detected	80		ug/kg	79.1	100-41-4	
p,m-Xylene	Not detected	200		ug/kg	79.1		
o-Xylene	Not detected	80		ug/kg	79.1	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.12 (continued)

Sample Tag: SB-19 9.5-10.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:40, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	80		ug/kg	79.1	100-42-5	
Isopropylbenzene	1,200	400		ug/kg	79.1	98-82-8	
Bromoform	Not detected	200		ug/kg	79.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	80		ug/kg	79.1	79-34-5	
1,2,3-Trichloropropane	Not detected	200		ug/kg	79.1	96-18-4	
n-Propylbenzene	3,400	80		ug/kg	79.1	103-65-1	
Bromobenzene	Not detected	200		ug/kg	79.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	80		ug/kg	79.1	108-67-8	
tert-Butylbenzene	Not detected	80		ug/kg	79.1	98-06-6	
1,2,4-Trimethylbenzene	150	80		ug/kg	79.1	95-63-6	
sec-Butylbenzene	1,880	80		ug/kg	79.1	135-98-8	
p-Isopropyltoluene	Not detected	200		ug/kg	79.1	99-87-6	
1,3-Dichlorobenzene	Not detected	200		ug/kg	79.1	541-73-1	
1,4-Dichlorobenzene	Not detected	200		ug/kg	79.1	106-46-7	
1,2-Dichlorobenzene	Not detected	200		ug/kg	79.1	95-50-1	
1,2,3-Trimethylbenzene	80	80		ug/kg	79.1	526-73-8	
n-Butylbenzene	3,690	80		ug/kg	79.1	104-51-8	
Hexachloroethane	Not detected	500		ug/kg	79.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	79.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	520		ug/kg	79.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	520		ug/kg	79.1	87-61-6	
Naphthalene	2,700	400		ug/kg	79.1	91-20-3	
2-Methylnaphthalene	1,000	200		ug/kg	79.1	91-57-6	

Lab Sample ID: S27600.13
Sample Tag: SB-19 19.5-20
Collected Date/Time: 08/25/2021 13:14
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.437/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:04, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.08	0.30		mg/kg	259	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 08/31/21 23:44, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:37, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.5	74-88-4	

Lab Sample ID: S27600.13 (continued)

Sample Tag: SB-19 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:37, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	60.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.5	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.5	109-99-9	
Chloroform	Not detected	60		ug/kg	60.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.5	56-23-5	
Benzene	Not detected	60		ug/kg	60.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-01-5	
Toluene	Not detected	60		ug/kg	60.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.5		
o-Xylene	Not detected	60		ug/kg	60.5	95-47-6	
Styrene	Not detected	60		ug/kg	60.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.5	98-82-8	
Bromoform	Not detected	100		ug/kg	60.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.5	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.13 (continued)

Sample Tag: SB-19 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 15:37, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	60.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.5	91-57-6	

Lab Sample ID: S27600.14
Sample Tag: SB-20 10.5-11
Collected Date/Time: 08/25/2021 14:11
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	11.850/11	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	81	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 11:04, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	294,000	9,000		ug/kg	3		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 06:03, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	2,000	300		ug/kg	10	83-32-9	
Acenaphthylene	800	300		ug/kg	10	208-96-8	
Anthracene	4,400	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	10,500	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	7,700	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	15,900	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	17,700	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	2,800	300		ug/kg	10	191-24-2	
Chrysene	10,100	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	400	300		ug/kg	10	53-70-3	
Fluoranthene	28,900	300		ug/kg	10	206-44-0	
Fluorene	2,300	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	2,700	300		ug/kg	10	193-39-5	
Naphthalene	700	300		ug/kg	10	91-20-3	
Phenanthrene	17,600	300		ug/kg	10	85-01-8	
Pyrene	25,200	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	500	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 16:42, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	71,000	7,000		ug/kg	69		

Y-Elevated reporting limit due to high target concentration
p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S27600.14 (continued)
Sample Tag: SB-20 10.5-11

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:00, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	69	60-29-7	
Acetone	Not detected	1,000		ug/kg	69	67-64-1	
Methyl iodide	Not detected	100		ug/kg	69	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	69	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	69	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	69	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	69	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	69	75-71-8	
Chloromethane	Not detected	300		ug/kg	69	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	69	75-01-4	
Bromomethane	Not detected	300		ug/kg	69	74-83-9	
Chloroethane	Not detected	300		ug/kg	69	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	69	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	69	75-35-4	
Methylene chloride	Not detected	100		ug/kg	69	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	69	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	69	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	69	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	69	109-99-9	
Chloroform	Not detected	70		ug/kg	69	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	69	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	69	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	69	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	69	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	69	56-23-5	
Benzene	Not detected	70		ug/kg	69	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	69	107-06-2	
Trichloroethene	Not detected	70		ug/kg	69	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	69	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	69	75-27-4	
Dibromomethane	Not detected	300		ug/kg	69	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	69	10061-01-5	
Toluene	Not detected	70		ug/kg	69	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	69	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	69	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	69	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	69	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	69	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	69	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	69	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	69	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	69	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	69		
o-Xylene	Not detected	70		ug/kg	69	95-47-6	
Styrene	Not detected	70		ug/kg	69	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	69	98-82-8	
Bromoform	Not detected	100		ug/kg	69	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	69	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	69	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.14 (continued)

Sample Tag: SB-20 10.5-11

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:00, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	70		ug/kg	69	103-65-1	
Bromobenzene	Not detected	100		ug/kg	69	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	69	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	69	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	69	95-63-6	
sec-Butylbenzene	Not detected	130		ug/kg	69	135-98-8	X
p-Isopropyltoluene	Not detected	100		ug/kg	69	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	69	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	69	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	69	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	69	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	69	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	69	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	69	96-12-8	
1,2,4-Trichlorobenzene	Not detected	460		ug/kg	69	120-82-1	
1,2,3-Trichlorobenzene	Not detected	460		ug/kg	69	87-61-6	
Naphthalene	Not detected	300		ug/kg	69	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	69	91-57-6	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.15
Sample Tag: SB-20 11.5-12
Collected Date/Time: 08/25/2021 14:13
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.798/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 00:01, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:22, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.1	107-13-1	
2-Butanone (MEK)	Not detected	870		ug/kg	58.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.1	74-87-3	

Lab Sample ID: S27600.15 (continued)

Sample Tag: SB-20 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:22, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	58.1	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.1	109-99-9	
Chloroform	Not detected	60		ug/kg	58.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.1	56-23-5	
Benzene	Not detected	60		ug/kg	58.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.1	10061-01-5	
Toluene	Not detected	60		ug/kg	58.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.1	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.1		
o-Xylene	Not detected	60		ug/kg	58.1	95-47-6	
Styrene	Not detected	60		ug/kg	58.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.1	98-82-8	
Bromoform	Not detected	100		ug/kg	58.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.1	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.1	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.1	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.1	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.15 (continued)

Sample Tag: SB-20 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:22, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.1	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.1	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	58.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	58.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	58.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.1	91-57-6	

Lab Sample ID: S27600.16
Sample Tag: SB-20 15.5-16
Collected Date/Time: 08/25/2021 14:15
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.652/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 07:54, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	26,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 00:18, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 17:05, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	59.5		

Lab Sample ID: S27600.16 (continued)
Sample Tag: SB-20 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:44, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.5	107-13-1	
2-Butanone (MEK)	Not detected	890		ug/kg	59.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	59.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.5	109-99-9	
Chloroform	Not detected	60		ug/kg	59.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.5	56-23-5	
Benzene	Not detected	60		ug/kg	59.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.5	10061-01-5	
Toluene	Not detected	60		ug/kg	59.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.5		
o-Xylene	Not detected	60		ug/kg	59.5	95-47-6	
Styrene	Not detected	60		ug/kg	59.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.5	98-82-8	
Bromoform	Not detected	100		ug/kg	59.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.5	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.16 (continued)

Sample Tag: SB-20 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 16:44, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	60		ug/kg	59.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.5	91-57-6	

Lab Sample ID: S27600.17
Sample Tag: SB-14 19.5-20
Collected Date/Time: 08/25/2021 09:41
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.605/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 00:35, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:07, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.7	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	59.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.7	74-87-3	

Lab Sample ID: S27600.17 (continued)

Sample Tag: SB-14 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:07, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	59.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.7	109-99-9	
Chloroform	Not detected	60		ug/kg	59.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.7	56-23-5	
Benzene	Not detected	60		ug/kg	59.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.7	10061-01-5	
Toluene	Not detected	60		ug/kg	59.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.7		
o-Xylene	Not detected	60		ug/kg	59.7	95-47-6	
Styrene	Not detected	60		ug/kg	59.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.7	98-82-8	
Bromoform	Not detected	100		ug/kg	59.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.17 (continued)

Sample Tag: SB-14 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:07, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.7	91-57-6	

Lab Sample ID: S27600.18
Sample Tag: SB-21 6-6.5
Collected Date/Time: 08/25/2021 14:32
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.802/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 13:45, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	82	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 05:28, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	97,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 05:28, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 08/30/21 20:03, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	96,000	7,000		ug/kg	68.4		

Lab Sample ID: S27600.18 (continued)

Sample Tag: SB-21 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:03, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	68.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	68.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	68.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	68.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	68.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	68.4	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	68.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	68.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	68.4	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	68.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	68.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	68.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	68.4	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	68.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	68.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	68.4	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	68.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	68.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	68.4	109-99-9	
Chloroform	Not detected	70		ug/kg	68.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	68.4	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	68.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	68.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	68.4	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	68.4	56-23-5	
Benzene	Not detected	70		ug/kg	68.4	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	68.4	107-06-2	
Trichloroethene	Not detected	70		ug/kg	68.4	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	68.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	68.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	68.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	68.4	10061-01-5	
Toluene	Not detected	70		ug/kg	68.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	68.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	68.4	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	68.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	68.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	68.4	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	68.4	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	68.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	68.4	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	68.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	68.4		
o-Xylene	Not detected	70		ug/kg	68.4	95-47-6	
Styrene	Not detected	70		ug/kg	68.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	68.4	98-82-8	
Bromoform	Not detected	100		ug/kg	68.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	68.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	68.4	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.18 (continued)

Sample Tag: SB-21 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:03, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	70		ug/kg	68.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	68.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	68.4	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	68.4	98-06-6	
1,2,4-Trimethylbenzene	200	70		ug/kg	68.4	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	68.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	68.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	68.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	68.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	68.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	68.4	526-73-8	
n-Butylbenzene	Not detected	130		ug/kg	68.4	104-51-8	X
Hexachloroethane	Not detected	400		ug/kg	68.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	68.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	450		ug/kg	68.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	450		ug/kg	68.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	68.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	68.4	91-57-6	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.19
Sample Tag: SB-21 15.5-16
Collected Date/Time: 08/25/2021 14:39
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	11.780/11	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 05:45, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	27,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 05:45, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 08/30/21 20:26, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	57.4		

Lab Sample ID: S27600.19 (continued)

Sample Tag: SB-21 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:26, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	57.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	57.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	57.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	57.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	57.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	57.4	107-13-1	
2-Butanone (MEK)	Not detected	860		ug/kg	57.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	57.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	57.4	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	57.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	57.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	57.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	57.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	57.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	57.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	57.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	57.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	57.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	57.4	109-99-9	
Chloroform	Not detected	60		ug/kg	57.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	57.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	57.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	57.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	57.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	57.4	56-23-5	
Benzene	Not detected	60		ug/kg	57.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	57.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	57.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	57.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	57.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	57.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	57.4	10061-01-5	
Toluene	Not detected	60		ug/kg	57.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	57.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	57.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	57.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	57.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	57.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	57.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	57.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	57.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	57.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	57.4		
o-Xylene	Not detected	60		ug/kg	57.4	95-47-6	
Styrene	Not detected	60		ug/kg	57.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	57.4	98-82-8	
Bromoform	Not detected	100		ug/kg	57.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	57.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	57.4	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.19 (continued)

Sample Tag: SB-21 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:26, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	60		ug/kg	57.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	57.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	57.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	57.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	57.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	57.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	57.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	57.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	57.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	57.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	57.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	57.4	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	57.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	57.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	57.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	57.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	57.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	57.4	91-57-6	

Lab Sample ID: S27600.20
Sample Tag: SB-21 19.5-20
Collected Date/Time: 08/25/2021 14:47
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/27/21 17:00	JWR	
Sample wt. (g) / Methanol (ml)*	11.785/11	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 00:52, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:30, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	57.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	57.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	57.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	57.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	57.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	57.4	107-13-1	
2-Butanone (MEK)	Not detected	860		ug/kg	57.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	57.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	57.4	74-87-3	

Lab Sample ID: S27600.20 (continued)

Sample Tag: SB-21 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:30, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	57.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	57.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	57.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	57.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	57.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	57.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	57.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	57.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	57.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	57.4	109-99-9	
Chloroform	Not detected	60		ug/kg	57.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	57.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	57.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	57.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	57.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	57.4	56-23-5	
Benzene	Not detected	60		ug/kg	57.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	57.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	57.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	57.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	57.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	57.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	57.4	10061-01-5	
Toluene	Not detected	60		ug/kg	57.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	57.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	57.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	57.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	57.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	57.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	57.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	57.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	57.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	57.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	57.4		
o-Xylene	Not detected	60		ug/kg	57.4	95-47-6	
Styrene	Not detected	60		ug/kg	57.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	57.4	98-82-8	
Bromoform	Not detected	100		ug/kg	57.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	57.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	57.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	57.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	57.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	57.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	57.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	57.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	57.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	57.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	57.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	57.4	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.20 (continued)

Sample Tag: SB-21 19.5-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:30, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	57.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	57.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	57.4	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	57.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	57.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	57.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	57.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	57.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	57.4	91-57-6	

Lab Sample ID: S27600.21
Sample Tag: SB-22 7.5-8
Collected Date/Time: 08/25/2021 15:15
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	15.226/15	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	81	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:06, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	2.70	0.30		mg/kg	260	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 21:01, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	1,079,000	31,000		ug/kg	10		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:01, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	300	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	500	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	500	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Y-Elevated reporting limit due to high target concentration
p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S27600.21 (continued)
Sample Tag: SB-22 7.5-8

Organics - Volatiles

Method: SW8015M, Run Date: 09/02/21 16:41, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	230,000	70,000		ug/kg	725		Y

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:49, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	72.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	72.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	72.5	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	72.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	72.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	72.5	107-13-1	
2-Butanone (MEK)	Not detected	1,100		ug/kg	72.5	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	72.5	75-71-8	
Chloromethane	Not detected	400		ug/kg	72.5	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	72.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	72.5	74-83-9	
Chloroethane	Not detected	400		ug/kg	72.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	72.5	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	72.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	72.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	72.5	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	72.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	72.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	72.5	109-99-9	
Chloroform	Not detected	70		ug/kg	72.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	72.5	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	72.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	72.5	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	72.5	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	72.5	56-23-5	
Benzene	Not detected	70		ug/kg	72.5	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	72.5	107-06-2	
Trichloroethene	Not detected	70		ug/kg	72.5	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	72.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	72.5	75-27-4	
Dibromomethane	Not detected	400		ug/kg	72.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	72.5	10061-01-5	
Toluene	Not detected	70		ug/kg	72.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	72.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	72.5	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	72.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	72.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	72.5	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	72.5	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	72.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	72.5	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	72.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	72.5		

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Lab Sample ID: S27600.21 (continued)

Sample Tag: SB-22 7.5-8

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 20:49, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
o-Xylene	Not detected	70		ug/kg	72.5	95-47-6	
Styrene	Not detected	70		ug/kg	72.5	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	72.5	98-82-8	
Bromoform	Not detected	100		ug/kg	72.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	72.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	72.5	96-18-4	
n-Propylbenzene	590	70		ug/kg	72.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	72.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	72.5	108-67-8	
tert-Butylbenzene	180	70		ug/kg	72.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	72.5	95-63-6	
sec-Butylbenzene	4,020	70		ug/kg	72.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	72.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	72.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	72.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	72.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	72.5	526-73-8	
n-Butylbenzene	2,080	70		ug/kg	72.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	72.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	72.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	480		ug/kg	72.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	480		ug/kg	72.5	87-61-6	
Naphthalene	Not detected	400		ug/kg	72.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	72.5	91-57-6	

Lab Sample ID: S27600.22
Sample Tag: SB-22 15.5-16
Collected Date/Time: 08/25/2021 15:30
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/08/21 09:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 13:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.112/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:08, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.10	0.30		mg/kg	260	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/09/21 03:23, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	22,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 02:18, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Lab Sample ID: S27600.22 (continued)
Sample Tag: SB-22 15.5-16

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 17:28, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	60.6		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:54, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.6	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.6	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.6	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.6	109-99-9	
Chloroform	Not detected	60		ug/kg	60.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.6	56-23-5	
Benzene	Not detected	60		ug/kg	60.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.6	10061-01-5	
Toluene	Not detected	60		ug/kg	60.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.6	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.6		
o-Xylene	Not detected	60		ug/kg	60.6	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.22 (continued)

Sample Tag: SB-22 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 17:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	60		ug/kg	60.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.6	98-82-8	
Bromoform	Not detected	100		ug/kg	60.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.6	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.6	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.6	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.6	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.6	91-57-6	

Lab Sample ID: S27600.23
Sample Tag: SB-23 11.5-12
Collected Date/Time: 08/25/2021 16:05
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.448/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	5.99	0.30		mg/kg	258	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:24, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:17, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.6	74-88-4	

Lab Sample ID: S27600.23 (continued)

Sample Tag: SB-23 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:17, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	60.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.6	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.6	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.6	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.6	109-99-9	
Chloroform	Not detected	60		ug/kg	60.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.6	56-23-5	
Benzene	Not detected	60		ug/kg	60.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.6	10061-01-5	
Toluene	Not detected	60		ug/kg	60.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.6	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.6		
o-Xylene	Not detected	60		ug/kg	60.6	95-47-6	
Styrene	Not detected	60		ug/kg	60.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.6	98-82-8	
Bromoform	Not detected	100		ug/kg	60.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.6	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.6	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.23 (continued)

Sample Tag: SB-23 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:17, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	60.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.6	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.6	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.6	91-57-6	

Lab Sample ID: S27600.24
Sample Tag: SB-24 7.5-8
Collected Date/Time: 08/25/2021 16:25
Matrix: Soil
COC Reference: 116237

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.119/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 21:47, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	551,000	16,000		ug/kg	6		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:47, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	6	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	6	208-96-8	
Anthracene	Not detected	300		ug/kg	6	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	6	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	6	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	6	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	6	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	6	191-24-2	
Chrysene	Not detected	300		ug/kg	6	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	6	53-70-3	
Fluoranthene	Not detected	300		ug/kg	6	206-44-0	
Fluorene	Not detected	300		ug/kg	6	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	6	193-39-5	
Naphthalene	Not detected	300		ug/kg	6	91-20-3	
Phenanthrene	Not detected	300		ug/kg	6	85-01-8	
Pyrene	Not detected	300		ug/kg	6	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	6	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 08/30/21 21:11, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	201,000	6,000		ug/kg	61.8		

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S27600.24 (continued)

Sample Tag: SB-24 7.5-8

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:11, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.8	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.8	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.8	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.8	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.8	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.8	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	61.8	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.8	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.8	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	61.8	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.8	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.8	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.8	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.8	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.8	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.8	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.8	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.8	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.8	109-99-9	
Chloroform	Not detected	60		ug/kg	61.8	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.8	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.8	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.8	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.8	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.8	56-23-5	
Benzene	Not detected	60		ug/kg	61.8	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.8	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.8	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.8	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.8	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.8	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.8	10061-01-5	
Toluene	Not detected	60		ug/kg	61.8	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.8	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.8	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.8	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.8	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.8	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.8	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61.8	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.8	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.8	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.8		
o-Xylene	Not detected	60		ug/kg	61.8	95-47-6	
Styrene	Not detected	60		ug/kg	61.8	100-42-5	
Isopropylbenzene	900	300		ug/kg	61.8	98-82-8	
Bromoform	Not detected	100		ug/kg	61.8	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.8	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.8	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.24 (continued)

Sample Tag: SB-24 7.5-8

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:11, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	1,220	60		ug/kg	61.8	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.8	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61.8	108-67-8	
tert-Butylbenzene	150	60		ug/kg	61.8	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61.8	95-63-6	
sec-Butylbenzene	3,050	60		ug/kg	61.8	135-98-8	
p-Isopropyltoluene	300	100		ug/kg	61.8	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.8	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.8	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.8	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61.8	526-73-8	
n-Butylbenzene	1,670	60		ug/kg	61.8	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.8	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.8	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	61.8	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	61.8	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.8	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.8	91-57-6	

Lab Sample ID: S27600.25
Sample Tag: SB-24 11.5-12
Collected Date/Time: 08/25/2021 16:34
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.543/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:10, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.7	107-13-1	
2-Butanone (MEK)	Not detected	880		ug/kg	58.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.7	74-87-3	

Lab Sample ID: S27600.25 (continued)

Sample Tag: SB-24 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	58.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.7	109-99-9	
Chloroform	Not detected	60		ug/kg	58.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.7	56-23-5	
Benzene	Not detected	60		ug/kg	58.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.7	10061-01-5	
Toluene	Not detected	60		ug/kg	58.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.7		
o-Xylene	Not detected	60		ug/kg	58.7	95-47-6	
Styrene	Not detected	60		ug/kg	58.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.7	98-82-8	
Bromoform	Not detected	100		ug/kg	58.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.25 (continued)

Sample Tag: SB-24 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 18:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	58.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	58.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	58.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.7	91-57-6	

Lab Sample ID: S27600.26
Sample Tag: SB-24 17-17.5
Collected Date/Time: 08/25/2021 16:40
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.223/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:33, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.3	107-13-1	
2-Butanone (MEK)	Not detected	920		ug/kg	61.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.3	74-87-3	

Lab Sample ID: S27600.26 (continued)
Sample Tag: SB-24 17-17.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	61.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.3	109-99-9	
Chloroform	Not detected	60		ug/kg	61.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.3	56-23-5	
Benzene	Not detected	60		ug/kg	61.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.3	10061-01-5	
Toluene	Not detected	60		ug/kg	61.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.3		
o-Xylene	Not detected	60		ug/kg	61.3	95-47-6	
Styrene	Not detected	60		ug/kg	61.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61.3	98-82-8	
Bromoform	Not detected	100		ug/kg	61.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	61.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	61.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.3	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.26 (continued)

Sample Tag: SB-24 17-17.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	61.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	61.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	61.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.3	91-57-6	

Lab Sample ID: S27600.27
Sample Tag: SB-25 4.9-5.2
Collected Date/Time: 08/26/2021 10:26
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.604/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:56, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:25, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.7	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	59.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.7	74-87-3	

Lab Sample ID: S27600.27 (continued)

Sample Tag: SB-25 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:25, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	59.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.7	109-99-9	
Chloroform	Not detected	60		ug/kg	59.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.7	56-23-5	
Benzene	Not detected	60		ug/kg	59.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.7	10061-01-5	
Toluene	Not detected	60		ug/kg	59.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.7		
o-Xylene	Not detected	60		ug/kg	59.7	95-47-6	
Styrene	Not detected	60		ug/kg	59.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.7	98-82-8	
Bromoform	Not detected	100		ug/kg	59.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.27 (continued)

Sample Tag: SB-25 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:25, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.7	91-57-6	

Lab Sample ID: S27600.28
Sample Tag: SB-25 11.5-12
Collected Date/Time: 08/26/2021 10:30
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	15.397/15	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 23:19, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:48, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.9	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.9	74-87-3	

Lab Sample ID: S27600.28 (continued)

Sample Tag: SB-25 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:48, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.9	109-99-9	
Chloroform	Not detected	60		ug/kg	60.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.9	56-23-5	
Benzene	Not detected	60		ug/kg	60.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-01-5	
Toluene	Not detected	60		ug/kg	60.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.9	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.9		
o-Xylene	Not detected	60		ug/kg	60.9	95-47-6	
Styrene	Not detected	60		ug/kg	60.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.9	98-82-8	
Bromoform	Not detected	100		ug/kg	60.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.9	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.9	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.9	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.28 (continued)

Sample Tag: SB-25 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 19:48, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.9	91-57-6	

Lab Sample ID: S27600.29
Sample Tag: SB-25 16.5-17
Collected Date/Time: 08/26/2021 10:40
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.396/13	SW5035A	08/30/21 14:48	BML	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 23:42, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 01:44, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.7	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.7	74-87-3	

Lab Sample ID: S27600.29 (continued)

Sample Tag: SB-25 16.5-17

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 01:44, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.7	109-99-9	
Chloroform	Not detected	60		ug/kg	60.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.7	56-23-5	
Benzene	Not detected	60		ug/kg	60.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-01-5	
Toluene	Not detected	60		ug/kg	60.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.7		
o-Xylene	Not detected	60		ug/kg	60.7	95-47-6	
Styrene	Not detected	60		ug/kg	60.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.7	98-82-8	
Bromoform	Not detected	100		ug/kg	60.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.29 (continued)

Sample Tag: SB-25 16.5-17

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 01:44, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.7	91-57-6	

Lab Sample ID: S27600.30
Sample Tag: SB-26 6.5-7
Collected Date/Time: 08/26/2021 09:39
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.378/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:05, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:06, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.5	107-13-1	
2-Butanone (MEK)	Not detected	890		ug/kg	59.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.5	74-87-3	

Lab Sample ID: S27600.30 (continued)

Sample Tag: SB-26 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:06, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	59.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.5	109-99-9	
Chloroform	Not detected	60		ug/kg	59.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.5	56-23-5	
Benzene	Not detected	60		ug/kg	59.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.5	10061-01-5	
Toluene	Not detected	60		ug/kg	59.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.5		
o-Xylene	Not detected	60		ug/kg	59.5	95-47-6	
Styrene	Not detected	60		ug/kg	59.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.5	98-82-8	
Bromoform	Not detected	100		ug/kg	59.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.5	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.30 (continued)

Sample Tag: SB-26 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:06, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.5	91-57-6	

Lab Sample ID: S27600.31
Sample Tag: SB-26 11.5-12
Collected Date/Time: 08/26/2021 09:42
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.503/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:28, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:30, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.1	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	60.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.1	74-87-3	

Lab Sample ID: S27600.31 (continued)

Sample Tag: SB-26 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:30, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.1	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.1	109-99-9	
Chloroform	Not detected	60		ug/kg	60.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.1	56-23-5	
Benzene	Not detected	60		ug/kg	60.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.1	10061-01-5	
Toluene	Not detected	60		ug/kg	60.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.1	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.1		
o-Xylene	Not detected	60		ug/kg	60.1	95-47-6	
Styrene	Not detected	60		ug/kg	60.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.1	98-82-8	
Bromoform	Not detected	100		ug/kg	60.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.1	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.1	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.1	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.1	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.31 (continued)

Sample Tag: SB-26 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:30, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.1	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.1	91-57-6	

Lab Sample ID: S27600.32
Sample Tag: SB-26 19-20
Collected Date/Time: 08/26/2021 10:03
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.514/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:51, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:52, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.1	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	60.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.1	74-87-3	

Lab Sample ID: S27600.32 (continued)

Sample Tag: SB-26 19-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:52, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	60.1	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.1	109-99-9	
Chloroform	Not detected	60		ug/kg	60.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.1	56-23-5	
Benzene	Not detected	60		ug/kg	60.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.1	10061-01-5	
Toluene	Not detected	60		ug/kg	60.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.1	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.1		
o-Xylene	Not detected	60		ug/kg	60.1	95-47-6	
Styrene	Not detected	60		ug/kg	60.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.1	98-82-8	
Bromoform	Not detected	100		ug/kg	60.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.1	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.1	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60.1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.1	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.1	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.32 (continued)

Sample Tag: SB-26 19-20

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 02:52, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.1	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.1	91-57-6	

Lab Sample ID: S27600.33
Sample Tag: SB-27 4.9-5.2
Collected Date/Time: 08/26/2021 08:51
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	15.643/15	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	77	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/02/21 01:14, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	375,000	13,000		ug/kg	4		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 01:14, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	4	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	4	208-96-8	
Anthracene	Not detected	300		ug/kg	4	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	4	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	4	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	4	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	4	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	4	191-24-2	
Chrysene	Not detected	300		ug/kg	4	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	4	53-70-3	
Fluoranthene	Not detected	300		ug/kg	4	206-44-0	
Fluorene	Not detected	300		ug/kg	4	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	4	193-39-5	
Naphthalene	Not detected	300		ug/kg	4	91-20-3	
Phenanthrene	Not detected	300		ug/kg	4	85-01-8	
Pyrene	Not detected	300		ug/kg	4	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	4	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/02/21 17:04, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	550,000	80,000		ug/kg	772		Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S27600.33 (continued)
Sample Tag: SB-27 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:34, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	77.2	60-29-7	
Acetone	Not detected	2,000		ug/kg	77.2	67-64-1	
Methyl iodide	Not detected	200		ug/kg	77.2	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	77.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	77.2	1634-04-4	
Acrylonitrile	Not detected	200		ug/kg	77.2	107-13-1	
2-Butanone (MEK)	Not detected	1,200		ug/kg	77.2	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	77.2	75-71-8	
Chloromethane	Not detected	400		ug/kg	77.2	74-87-3	
Vinyl chloride	Not detected	80		ug/kg	77.2	75-01-4	
Bromomethane	Not detected	300		ug/kg	77.2	74-83-9	
Chloroethane	Not detected	400		ug/kg	77.2	75-00-3	
Trichlorofluoromethane	Not detected	200		ug/kg	77.2	75-69-4	
1,1-Dichloroethene	Not detected	80		ug/kg	77.2	75-35-4	
Methylene chloride	Not detected	200		ug/kg	77.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	80		ug/kg	77.2	156-60-5	
1,1-Dichloroethane	Not detected	80		ug/kg	77.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	80		ug/kg	77.2	156-59-2	
Tetrahydrofuran*	Not detected	2,000		ug/kg	77.2	109-99-9	
Chloroform	Not detected	80		ug/kg	77.2	67-66-3	
Bromochloromethane	Not detected	200		ug/kg	77.2	74-97-5	
1,1,1-Trichloroethane	Not detected	80		ug/kg	77.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	77.2	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	77.2	591-78-6	
Carbon tetrachloride	Not detected	80		ug/kg	77.2	56-23-5	
Benzene	Not detected	80		ug/kg	77.2	71-43-2	
1,2-Dichloroethane	Not detected	80		ug/kg	77.2	107-06-2	
Trichloroethene	Not detected	80		ug/kg	77.2	79-01-6	
1,2-Dichloropropane	Not detected	80		ug/kg	77.2	78-87-5	
Bromodichloromethane	Not detected	200		ug/kg	77.2	75-27-4	
Dibromomethane	Not detected	400		ug/kg	77.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	80		ug/kg	77.2	10061-01-5	
Toluene	Not detected	80		ug/kg	77.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	80		ug/kg	77.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	80		ug/kg	77.2	79-00-5	
Tetrachloroethene	Not detected	80		ug/kg	77.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	80		ug/kg	77.2	110-57-6	
Dibromochloromethane	Not detected	200		ug/kg	77.2	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	77.2	106-93-4	M
Chlorobenzene	Not detected	80		ug/kg	77.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	200		ug/kg	77.2	630-20-6	
Ethylbenzene	Not detected	80		ug/kg	77.2	100-41-4	
p,m-Xylene	Not detected	200		ug/kg	77.2		
o-Xylene	Not detected	80		ug/kg	77.2	95-47-6	
Styrene	Not detected	80		ug/kg	77.2	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	77.2	98-82-8	
Bromoform	Not detected	200		ug/kg	77.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	80		ug/kg	77.2	79-34-5	
1,2,3-Trichloropropane	Not detected	200		ug/kg	77.2	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.33 (continued)

Sample Tag: SB-27 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:34, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	80		ug/kg	77.2	103-65-1	
Bromobenzene	Not detected	200		ug/kg	77.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	80		ug/kg	77.2	108-67-8	
tert-Butylbenzene	Not detected	80		ug/kg	77.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	80		ug/kg	77.2	95-63-6	
sec-Butylbenzene	200	80		ug/kg	77.2	135-98-8	
p-Isopropyltoluene	Not detected	200		ug/kg	77.2	99-87-6	
1,3-Dichlorobenzene	Not detected	200		ug/kg	77.2	541-73-1	
1,4-Dichlorobenzene	Not detected	200		ug/kg	77.2	106-46-7	
1,2-Dichlorobenzene	Not detected	200		ug/kg	77.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	80		ug/kg	77.2	526-73-8	
n-Butylbenzene	Not detected	740		ug/kg	77.2	104-51-8	X
Hexachloroethane	Not detected	500		ug/kg	77.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	77.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	510		ug/kg	77.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	510		ug/kg	77.2	87-61-6	
Naphthalene	Not detected	400		ug/kg	77.2	91-20-3	
2-Methylnaphthalene	Not detected	200		ug/kg	77.2	91-57-6	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.34
Sample Tag: SB-27 6.5-7
Collected Date/Time: 08/26/2021 08:44
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/31/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	15.710/15	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 08:11, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	38,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 01:37, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 17:51, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	145,000	6,000		ug/kg	61.1		

Lab Sample ID: S27600.34 (continued)

Sample Tag: SB-27 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 03:15, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.1	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.1	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.1	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.1	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.1	107-13-1	
2-Butanone (MEK)	Not detected	920		ug/kg	61.1	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.1	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.1	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	61.1	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.1	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.1	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.1	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.1	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.1	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.1	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.1	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.1	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.1	109-99-9	
Chloroform	Not detected	60		ug/kg	61.1	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.1	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.1	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.1	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.1	56-23-5	
Benzene	Not detected	60		ug/kg	61.1	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.1	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.1	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.1	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.1	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.1	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.1	10061-01-5	
Toluene	Not detected	60		ug/kg	61.1	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.1	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.1	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.1	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.1	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.1	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61.1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.1	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.1	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.1		
o-Xylene	Not detected	60		ug/kg	61.1	95-47-6	
Styrene	Not detected	60		ug/kg	61.1	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61.1	98-82-8	
Bromoform	Not detected	100		ug/kg	61.1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.1	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.1	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.34 (continued)

Sample Tag: SB-27 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 03:15, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	300	60		ug/kg	61.1	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.1	108-86-1	
1,3,5-Trimethylbenzene	70	60		ug/kg	61.1	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61.1	98-06-6	
1,2,4-Trimethylbenzene	620	60		ug/kg	61.1	95-63-6	
sec-Butylbenzene	320	60		ug/kg	61.1	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61.1	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.1	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.1	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.1	95-50-1	
1,2,3-Trimethylbenzene	80	60		ug/kg	61.1	526-73-8	
n-Butylbenzene	290	60		ug/kg	61.1	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	61.1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	61.1	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.1	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.1	91-57-6	

Lab Sample ID: S27600.35
Sample Tag: SB-27 15.5-16
Collected Date/Time: 08/26/2021 08:50
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	12.618/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 02:00, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 03:38, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.4	107-13-1	
2-Butanone (MEK)	Not detected	880		ug/kg	58.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.4	74-87-3	

Lab Sample ID: S27600.35 (continued)

Sample Tag: SB-27 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 03:38, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	58.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.4	109-99-9	
Chloroform	Not detected	60		ug/kg	58.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.4	56-23-5	
Benzene	Not detected	60		ug/kg	58.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.4	10061-01-5	
Toluene	Not detected	60		ug/kg	58.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.4		
o-Xylene	Not detected	60		ug/kg	58.4	95-47-6	
Styrene	Not detected	60		ug/kg	58.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.4	98-82-8	
Bromoform	Not detected	100		ug/kg	58.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.4	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.35 (continued)

Sample Tag: SB-27 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 03:38, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	58.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	58.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	58.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.4	91-57-6	

Lab Sample ID: S27600.36
Sample Tag: SB-28 6.5-7
Collected Date/Time: 08/26/2021 08:14
Matrix: Soil
COC Reference: 116236

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/31/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	13.000/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 08:29, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	41,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 02:23, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 18:14, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	143,000	6,000		ug/kg	63.6		

Lab Sample ID: S27600.36 (continued)
Sample Tag: SB-28 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:00, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	63.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	63.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	63.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	63.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	63.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	63.6	107-13-1	
2-Butanone (MEK)	Not detected	950		ug/kg	63.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	63.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	63.6	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	63.6	75-01-4	
Bromomethane	Not detected	300		ug/kg	63.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	63.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	63.6	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	63.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	63.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	63.6	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	63.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	63.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	63.6	109-99-9	
Chloroform	Not detected	60		ug/kg	63.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	63.6	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	63.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	63.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	63.6	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	63.6	56-23-5	
Benzene	Not detected	60		ug/kg	63.6	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	63.6	107-06-2	
Trichloroethene	Not detected	60		ug/kg	63.6	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	63.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	63.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	63.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	63.6	10061-01-5	
Toluene	Not detected	60		ug/kg	63.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	63.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	63.6	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	63.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	63.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	63.6	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	63.6	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	63.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	63.6	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	63.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	63.6		
o-Xylene	Not detected	60		ug/kg	63.6	95-47-6	
Styrene	Not detected	60		ug/kg	63.6	100-42-5	
Isopropylbenzene	600	300		ug/kg	63.6	98-82-8	
Bromoform	Not detected	100		ug/kg	63.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	63.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	63.6	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.36 (continued)

Sample Tag: SB-28 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:00, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	870	60		ug/kg	63.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	63.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	63.6	108-67-8	
tert-Butylbenzene	120	60		ug/kg	63.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	63.6	95-63-6	
sec-Butylbenzene	2,560	60		ug/kg	63.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	63.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	63.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	63.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	63.6	95-50-1	
1,2,3-Trimethylbenzene	90	60		ug/kg	63.6	526-73-8	
n-Butylbenzene	3,390	60		ug/kg	63.6	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	63.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	63.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	420		ug/kg	63.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	420		ug/kg	63.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	63.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	63.6	91-57-6	

Lab Sample ID: S27600.37
Sample Tag: SB-29 4.9-5.2
Collected Date/Time: 08/26/2021 09:15
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	08/31/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.122/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	92	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 08:46, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	36,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 02:46, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 18:36, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	58.2		

Lab Sample ID: S27600.37 (continued)
Sample Tag: SB-29 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:23, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.2	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.2	107-13-1	
2-Butanone (MEK)	Not detected	870		ug/kg	58.2	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.2	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.2	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	58.2	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.2	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.2	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.2	109-99-9	
Chloroform	Not detected	60		ug/kg	58.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.2	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.2	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.2	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.2	56-23-5	
Benzene	Not detected	60		ug/kg	58.2	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.2	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.2	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.2	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-01-5	
Toluene	Not detected	60		ug/kg	58.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.2	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.2	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.2	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.2	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.2		
o-Xylene	Not detected	60		ug/kg	58.2	95-47-6	
Styrene	Not detected	60		ug/kg	58.2	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.2	98-82-8	
Bromoform	Not detected	100		ug/kg	58.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.2	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.2	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.37 (continued)

Sample Tag: SB-29 4.9-5.2

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:23, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	60		ug/kg	58.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.2	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.2	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.2	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.2	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	58.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	58.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	58.2	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.2	91-57-6	

Lab Sample ID: S27600.38
Sample Tag: SB-29 6.5-7
Collected Date/Time: 08/26/2021 09:16
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	08/31/21 15:00	JWR	
Sample wt. (g) / Methanol (ml)*	14.145/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	87	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 03:09, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:46, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	64.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	64.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	64.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	64.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	64.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	64.4	107-13-1	
2-Butanone (MEK)	Not detected	970		ug/kg	64.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	64.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	64.4	74-87-3	

Lab Sample ID: S27600.38 (continued)

Sample Tag: SB-29 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:46, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	64.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	64.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	64.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	64.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	64.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	64.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	64.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	64.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	64.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	64.4	109-99-9	
Chloroform	Not detected	60		ug/kg	64.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	64.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	64.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	64.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	64.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	64.4	56-23-5	
Benzene	Not detected	60		ug/kg	64.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	64.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	64.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	64.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	64.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	64.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	64.4	10061-01-5	
Toluene	Not detected	60		ug/kg	64.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	64.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	64.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	64.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	64.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	64.4	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	64.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	64.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	64.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	64.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	64.4		
o-Xylene	Not detected	60		ug/kg	64.4	95-47-6	
Styrene	Not detected	60		ug/kg	64.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	64.4	98-82-8	
Bromoform	Not detected	100		ug/kg	64.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	64.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	64.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	64.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	64.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	64.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	64.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	64.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	64.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	64.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	64.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	64.4	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.38 (continued)

Sample Tag: SB-29 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:46, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	64.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	64.4	526-73-8	
n-Butylbenzene	Not detected	190		ug/kg	64.4	104-51-8	X
Hexachloroethane	Not detected	400		ug/kg	64.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	64.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	64.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	64.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	64.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	64.4	91-57-6	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.39
Sample Tag: SB-31 6-7
Collected Date/Time: 08/26/2021 11:35
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	16.544/16	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:58, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	29.7	0.30		mg/kg	274	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 10:47, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	17,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 02:07, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	800	300		ug/kg	10	83-32-9	
Acenaphthylene	1,100	300		ug/kg	10	208-96-8	
Anthracene	3,600	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	9,200	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	7,800	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	15,700	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	17,400	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	3,000	300		ug/kg	10	191-24-2	
Chrysene	10,600	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	600	300		ug/kg	10	53-70-3	
Fluoranthene	26,000	300		ug/kg	10	206-44-0	
Fluorene	1,500	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	2,900	300		ug/kg	10	193-39-5	
Naphthalene	1,500	300		ug/kg	10	91-20-3	
Phenanthrene	21,900	300		ug/kg	10	85-01-8	
Pyrene	20,500	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	600	300		ug/kg	10	91-57-6	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S27600.39 (continued)
Sample Tag: SB-31 6-7

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 18:59, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	64.4		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:08, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	64.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	64.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	64.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	64.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	64.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	64.4	107-13-1	
2-Butanone (MEK)	Not detected	970		ug/kg	64.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	64.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	64.4	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	64.4	75-01-4	
Bromomethane	Not detected	300		ug/kg	64.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	64.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	64.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	64.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	64.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	64.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	64.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	64.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	64.4	109-99-9	
Chloroform	Not detected	60		ug/kg	64.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	64.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	64.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	64.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	64.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	64.4	56-23-5	
Benzene	Not detected	60		ug/kg	64.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	64.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	64.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	64.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	64.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	64.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	64.4	10061-01-5	
Toluene	Not detected	60		ug/kg	64.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	64.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	64.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	64.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	64.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	64.4	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	64.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	64.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	64.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	64.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	64.4		
o-Xylene	Not detected	60		ug/kg	64.4	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.39 (continued)

Sample Tag: SB-31 6-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:08, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	60		ug/kg	64.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	64.4	98-82-8	
Bromoform	Not detected	100		ug/kg	64.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	64.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	64.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	64.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	64.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	64.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	64.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	64.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	64.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	64.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	64.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	64.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	64.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	64.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	64.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	64.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	64.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	430		ug/kg	64.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	430		ug/kg	64.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	64.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	64.4	91-57-6	

Lab Sample ID: S27600.40
Sample Tag: SB-31 10-10.5
Collected Date/Time: 08/26/2021 11:43
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.952/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:13, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.64	0.30		mg/kg	273	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 09:03, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	16,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 19:32, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Lab Sample ID: S27600.40 (continued)
Sample Tag: SB-31 10-10.5

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 19:22, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	58.5		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:31, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.5	107-13-1	
2-Butanone (MEK)	Not detected	880		ug/kg	58.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	58.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.5	109-99-9	
Chloroform	Not detected	60		ug/kg	58.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.5	56-23-5	
Benzene	Not detected	60		ug/kg	58.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.5	10061-01-5	
Toluene	Not detected	60		ug/kg	58.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.5		
o-Xylene	Not detected	60		ug/kg	58.5	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.40 (continued)

Sample Tag: SB-31 10-10.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:31, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	60		ug/kg	58.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.5	98-82-8	
Bromoform	Not detected	100		ug/kg	58.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	58.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	58.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	58.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.5	91-57-6	

Lab Sample ID: S27600.41
Sample Tag: SB-31 11.5-12
Collected Date/Time: 08/26/2021 11:39
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.145/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:15, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.01	0.30		mg/kg	266	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 19:49, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:54, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	60.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60.5	74-88-4	

Lab Sample ID: S27600.41 (continued)

Sample Tag: SB-31 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	60.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60.5	107-13-1	
2-Butanone (MEK)	Not detected	910		ug/kg	60.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	60.5	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60.5	75-01-4	
Bromomethane	Not detected	200		ug/kg	60.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	60.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60.5	109-99-9	
Chloroform	Not detected	60		ug/kg	60.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60.5	56-23-5	
Benzene	Not detected	60		ug/kg	60.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-01-5	
Toluene	Not detected	60		ug/kg	60.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60.5	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60.5		
o-Xylene	Not detected	60		ug/kg	60.5	95-47-6	
Styrene	Not detected	60		ug/kg	60.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60.5	98-82-8	
Bromoform	Not detected	100		ug/kg	60.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60.5	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.41 (continued)

Sample Tag: SB-31 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	60.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	60.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60.5	91-57-6	

Lab Sample ID: S27600.42
Sample Tag: SB-32 15.5-16
Collected Date/Time: 08/26/2021 12:47
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.918/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:32, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.15	0.30		mg/kg	253	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 20:06, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:16, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.9	74-88-4	

Lab Sample ID: S27600.42 (continued)

Sample Tag: SB-32 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:16, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	59.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.9	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	59.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	59.9	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	59.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.9	109-99-9	
Chloroform	Not detected	60		ug/kg	59.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.9	56-23-5	
Benzene	Not detected	60		ug/kg	59.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.9	10061-01-5	
Toluene	Not detected	60		ug/kg	59.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.9	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.9		
o-Xylene	Not detected	60		ug/kg	59.9	95-47-6	
Styrene	Not detected	60		ug/kg	59.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.9	98-82-8	
Bromoform	Not detected	100		ug/kg	59.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.9	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.9	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.42 (continued)

Sample Tag: SB-32 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:16, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	59.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.9	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	59.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	59.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.9	91-57-6	

Lab Sample ID: S27600.43
Sample Tag: SB-33 6-6.5
Collected Date/Time: 08/26/2021 13:31
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.923/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	94	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:17, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.17	0.30		mg/kg	227	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 09:20, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	6,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 20:24, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Lab Sample ID: S27600.43 (continued)
Sample Tag: SB-33 6-6.5

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 19:45, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	5,000		ug/kg	52.6		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	52.6	60-29-7	
Acetone	Not detected	1,000		ug/kg	52.6	67-64-1	
Methyl iodide	Not detected	100		ug/kg	52.6	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	52.6	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	52.6	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	52.6	107-13-1	
2-Butanone (MEK)	Not detected	790		ug/kg	52.6	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	52.6	75-71-8	
Chloromethane	Not detected	300		ug/kg	52.6	74-87-3	
Vinyl chloride	Not detected	50		ug/kg	52.6	75-01-4	
Bromomethane	Not detected	200		ug/kg	52.6	74-83-9	
Chloroethane	Not detected	300		ug/kg	52.6	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	52.6	75-69-4	
1,1-Dichloroethene	Not detected	50		ug/kg	52.6	75-35-4	
Methylene chloride	Not detected	100		ug/kg	52.6	75-09-2	
trans-1,2-Dichloroethene	Not detected	50		ug/kg	52.6	156-60-5	
1,1-Dichloroethane	Not detected	50		ug/kg	52.6	75-34-3	
cis-1,2-Dichloroethene	Not detected	50		ug/kg	52.6	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	52.6	109-99-9	
Chloroform	Not detected	50		ug/kg	52.6	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	52.6	74-97-5	
1,1,1-Trichloroethane	Not detected	50		ug/kg	52.6	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	52.6	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	52.6	591-78-6	
Carbon tetrachloride	Not detected	50		ug/kg	52.6	56-23-5	
Benzene	Not detected	50		ug/kg	52.6	71-43-2	
1,2-Dichloroethane	Not detected	50		ug/kg	52.6	107-06-2	
Trichloroethene	Not detected	50		ug/kg	52.6	79-01-6	
1,2-Dichloropropane	Not detected	50		ug/kg	52.6	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	52.6	75-27-4	
Dibromomethane	Not detected	300		ug/kg	52.6	74-95-3	
cis-1,3-Dichloropropene	Not detected	50		ug/kg	52.6	10061-01-5	
Toluene	Not detected	50		ug/kg	52.6	108-88-3	
trans-1,3-Dichloropropene	Not detected	50		ug/kg	52.6	10061-02-6	
1,1,2-Trichloroethane	Not detected	50		ug/kg	52.6	79-00-5	
Tetrachloroethene	Not detected	50		ug/kg	52.6	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	50		ug/kg	52.6	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	52.6	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	52.6	106-93-4	M
Chlorobenzene	Not detected	50		ug/kg	52.6	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	52.6	630-20-6	
Ethylbenzene	Not detected	50		ug/kg	52.6	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	52.6		
o-Xylene	Not detected	50		ug/kg	52.6	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.43 (continued)

Sample Tag: SB-33 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	50		ug/kg	52.6	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	52.6	98-82-8	
Bromoform	Not detected	100		ug/kg	52.6	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	50		ug/kg	52.6	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	52.6	96-18-4	
n-Propylbenzene	Not detected	50		ug/kg	52.6	103-65-1	
Bromobenzene	Not detected	100		ug/kg	52.6	108-86-1	
1,3,5-Trimethylbenzene	Not detected	50		ug/kg	52.6	108-67-8	
tert-Butylbenzene	Not detected	50		ug/kg	52.6	98-06-6	
1,2,4-Trimethylbenzene	Not detected	50		ug/kg	52.6	95-63-6	
sec-Butylbenzene	Not detected	50		ug/kg	52.6	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	52.6	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	52.6	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	52.6	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	52.6	95-50-1	
1,2,3-Trimethylbenzene	Not detected	50		ug/kg	52.6	526-73-8	
n-Butylbenzene	Not detected	50		ug/kg	52.6	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	52.6	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	52.6	96-12-8	
1,2,4-Trichlorobenzene	Not detected	350		ug/kg	52.6	120-82-1	
1,2,3-Trichlorobenzene	Not detected	350		ug/kg	52.6	87-61-6	
Naphthalene	Not detected	300		ug/kg	52.6	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	52.6	91-57-6	

Lab Sample ID: S27600.44
Sample Tag: SB-33 15.5-16
Collected Date/Time: 08/26/2021 14:00
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.562/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:34, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.93	0.30		mg/kg	236	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 09:38, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	22,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 20:41, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Lab Sample ID: S27600.44 (continued)
Sample Tag: SB-33 15.5-16

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 20:07, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	60		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60	60-29-7	
Acetone	Not detected	1,000		ug/kg	60	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	60	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	60	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60	75-71-8	
Chloromethane	Not detected	300		ug/kg	60	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60	75-01-4	
Bromomethane	Not detected	200		ug/kg	60	74-83-9	
Chloroethane	Not detected	300		ug/kg	60	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60	109-99-9	
Chloroform	Not detected	60		ug/kg	60	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60	56-23-5	
Benzene	Not detected	60		ug/kg	60	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60	10061-01-5	
Toluene	Not detected	60		ug/kg	60	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60		
o-Xylene	Not detected	60		ug/kg	60	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.44 (continued)

Sample Tag: SB-33 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	60		ug/kg	60	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60	98-82-8	
Bromoform	Not detected	100		ug/kg	60	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	60	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60	87-61-6	
Naphthalene	Not detected	300		ug/kg	60	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60	91-57-6	

Lab Sample ID: S27600.45
Sample Tag: SB-34 3.5-4
Collected Date/Time: 08/26/2021 14:22
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.398/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 20:58, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	600	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	500	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	900	300		ug/kg	10	205-99-2	p
Benzo(k)fluoranthene	900	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	300	300		ug/kg	10	191-24-2	
Chrysene	600	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	1,200	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	600	300		ug/kg	10	85-01-8	
Pyrene	1,000	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:24, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	59.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59.3	107-13-1	
2-Butanone (MEK)	Not detected	890		ug/kg	59.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59.3	75-71-8	

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S27600.45 (continued)

Sample Tag: SB-34 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chloromethane	Not detected	300		ug/kg	59.3	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	59.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	59.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	59.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59.3	109-99-9	
Chloroform	Not detected	60		ug/kg	59.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59.3	56-23-5	
Benzene	Not detected	60		ug/kg	59.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59.3	10061-01-5	
Toluene	Not detected	60		ug/kg	59.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59.3		
o-Xylene	Not detected	60		ug/kg	59.3	95-47-6	
Styrene	Not detected	60		ug/kg	59.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59.3	98-82-8	
Bromoform	Not detected	100		ug/kg	59.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59.3	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59.3	541-73-1	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.45 (continued)

Sample Tag: SB-34 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:24, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,4-Dichlorobenzene	Not detected	100		ug/kg	59.3	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	59.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	59.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59.3	91-57-6	

Lab Sample ID: S27600.46
Sample Tag: SB-34 11.5-12
Collected Date/Time: 08/26/2021 14:32
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	14.161/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:15, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:47, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	61.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	61.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	61.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	61.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	61.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	61.7	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	61.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	61.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	61.7	74-87-3	

Lab Sample ID: S27600.46 (continued)

Sample Tag: SB-34 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:47, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	61.7	75-01-4	
Bromomethane	Not detected	200		ug/kg	61.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	61.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	61.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	61.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	61.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	61.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	61.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	61.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	61.7	109-99-9	
Chloroform	Not detected	60		ug/kg	61.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	61.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	61.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	61.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	61.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	61.7	56-23-5	
Benzene	Not detected	60		ug/kg	61.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	61.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	61.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	61.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	61.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	61.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	61.7	10061-01-5	
Toluene	Not detected	60		ug/kg	61.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	61.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	61.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	61.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	61.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	61.7	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	61.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	61.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	61.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	61.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	61.7		
o-Xylene	Not detected	60		ug/kg	61.7	95-47-6	
Styrene	Not detected	60		ug/kg	61.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	61.7	98-82-8	
Bromoform	Not detected	100		ug/kg	61.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	61.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	61.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	61.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	61.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	61.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	61.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	61.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	61.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	61.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	61.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	61.7	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.46 (continued)

Sample Tag: SB-34 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 07:47, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	61.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	61.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	61.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	61.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	61.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	61.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	61.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	61.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	61.7	91-57-6	

Lab Sample ID: S27600.47
Sample Tag: SB-34 15.5-16
Collected Date/Time: 08/26/2021 14:34
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	11.834/11	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:32, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:10, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.4	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	58.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.4	107-13-1	
2-Butanone (MEK)	Not detected	880		ug/kg	58.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.4	74-87-3	

Lab Sample ID: S27600.47 (continued)

Sample Tag: SB-34 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:10, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	58.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.4	109-99-9	
Chloroform	Not detected	60		ug/kg	58.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.4	56-23-5	
Benzene	Not detected	60		ug/kg	58.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.4	10061-01-5	
Toluene	Not detected	60		ug/kg	58.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	58.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.4		
o-Xylene	Not detected	60		ug/kg	58.4	95-47-6	
Styrene	Not detected	60		ug/kg	58.4	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	58.4	98-82-8	
Bromoform	Not detected	100		ug/kg	58.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.4	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	58.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.4	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	58.4	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.4	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	58.4	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	58.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.4	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.47 (continued)

Sample Tag: SB-34 15.5-16

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:10, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	58.4	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	58.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	58.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	58.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	58.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	58.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.4	91-57-6	

Lab Sample ID: S27600.48
Sample Tag: SB-35 6.5-7
Collected Date/Time: 08/26/2021 14:57
Matrix: Soil
COC Reference: 116235

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.825/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 21:50, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:33, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	62.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	62.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.5	107-13-1	
2-Butanone (MEK)	Not detected	940		ug/kg	62.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.5	74-87-3	

Lab Sample ID: S27600.48 (continued)

Sample Tag: SB-35 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:33, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	62.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	62.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.5	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.5	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.5	109-99-9	
Chloroform	Not detected	60		ug/kg	62.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.5	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.5	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.5	56-23-5	
Benzene	Not detected	60		ug/kg	62.5	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.5	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.5	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.5	10061-01-5	
Toluene	Not detected	60		ug/kg	62.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.5	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.5	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	62.5	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.5	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.5		
o-Xylene	Not detected	60		ug/kg	62.5	95-47-6	
Styrene	Not detected	60		ug/kg	62.5	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.5	98-82-8	
Bromoform	Not detected	100		ug/kg	62.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.5	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.5	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.5	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.5	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.48 (continued)

Sample Tag: SB-35 6.5-7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:33, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.5	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.5	91-57-6	

Lab Sample ID: S27600.49
Sample Tag: SB-35 17-17.5
Collected Date/Time: 08/26/2021 15:14
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	14.219/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:07, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:56, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	62.8	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.8	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.8	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.8	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	62.8	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.8	107-13-1	
2-Butanone (MEK)	Not detected	940		ug/kg	62.8	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.8	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.8	74-87-3	

Lab Sample ID: S27600.49 (continued)

Sample Tag: SB-35 17-17.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:56, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	62.8	75-01-4	
Bromomethane	Not detected	300		ug/kg	62.8	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.8	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.8	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.8	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.8	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.8	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.8	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.8	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.8	109-99-9	
Chloroform	Not detected	60		ug/kg	62.8	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.8	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.8	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.8	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.8	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.8	56-23-5	
Benzene	Not detected	60		ug/kg	62.8	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.8	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.8	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.8	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.8	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.8	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.8	10061-01-5	
Toluene	Not detected	60		ug/kg	62.8	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.8	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.8	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.8	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.8	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.8	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	62.8	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.8	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.8	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.8	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.8		
o-Xylene	Not detected	60		ug/kg	62.8	95-47-6	
Styrene	Not detected	60		ug/kg	62.8	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.8	98-82-8	
Bromoform	Not detected	100		ug/kg	62.8	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.8	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.8	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.8	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.8	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.8	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.8	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.8	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.8	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.8	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.8	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.8	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.49 (continued)

Sample Tag: SB-35 17-17.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 08:56, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.8	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.8	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.8	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.8	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.8	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.8	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.8	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.8	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.8	91-57-6	

Lab Sample ID: S27600.50
Sample Tag: SB-30 3.5-4
Collected Date/Time: 08/27/2021 11:48
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.021/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:24, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:05, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	66.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	66.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	66.2	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	66.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	66.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	66.2	107-13-1	
2-Butanone (MEK)	Not detected	990		ug/kg	66.2	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	66.2	75-71-8	
Chloromethane	Not detected	300		ug/kg	66.2	74-87-3	

Lab Sample ID: S27600.50 (continued)

Sample Tag: SB-30 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:05, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	70		ug/kg	66.2	75-01-4	
Bromomethane	Not detected	300		ug/kg	66.2	74-83-9	
Chloroethane	Not detected	300		ug/kg	66.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	66.2	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	66.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	66.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	66.2	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	66.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	66.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	66.2	109-99-9	
Chloroform	Not detected	70		ug/kg	66.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	66.2	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	66.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	66.2	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	66.2	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	66.2	56-23-5	
Benzene	Not detected	70		ug/kg	66.2	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	66.2	107-06-2	
Trichloroethene	Not detected	70		ug/kg	66.2	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	66.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	66.2	75-27-4	
Dibromomethane	Not detected	300		ug/kg	66.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	66.2	10061-01-5	
Toluene	Not detected	70		ug/kg	66.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	66.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	66.2	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	66.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	66.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	66.2	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	66.2	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	66.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	66.2	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	66.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	66.2		
o-Xylene	Not detected	70		ug/kg	66.2	95-47-6	
Styrene	Not detected	70		ug/kg	66.2	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	66.2	98-82-8	
Bromoform	Not detected	100		ug/kg	66.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	66.2	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	66.2	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	66.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	66.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	66.2	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	66.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	66.2	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	66.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	66.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	66.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	66.2	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.50 (continued)

Sample Tag: SB-30 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:05, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	66.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	66.2	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	66.2	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	66.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	66.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	440		ug/kg	66.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	440		ug/kg	66.2	87-61-6	
Naphthalene	Not detected	300		ug/kg	66.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	66.2	91-57-6	

Lab Sample ID: S27600.51
Sample Tag: SB-36 6.2-6.7
Collected Date/Time: 08/27/2021 07:57
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.887/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	86	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 22:41, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	208,000	8,000		ug/kg	3		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:41, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	3	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	3	208-96-8	
Anthracene	Not detected	300		ug/kg	3	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	3	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	3	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	3	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	3	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	3	191-24-2	
Chrysene	Not detected	300		ug/kg	3	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	3	53-70-3	
Fluoranthene	Not detected	300		ug/kg	3	206-44-0	
Fluorene	Not detected	300		ug/kg	3	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	3	193-39-5	
Naphthalene	Not detected	300		ug/kg	3	91-20-3	
Phenanthrene	Not detected	300		ug/kg	3	85-01-8	
Pyrene	Not detected	300		ug/kg	3	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	3	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/02/21 17:26, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	470,000	60,000		ug/kg	623		Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S27600.51 (continued)
Sample Tag: SB-36 6.2-6.7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:57, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.3	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.3	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.3	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.3	109-99-9	
Chloroform	Not detected	60		ug/kg	62.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.3	56-23-5	
Benzene	Not detected	60		ug/kg	62.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-01-5	
Toluene	Not detected	60		ug/kg	62.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.3	630-20-6	
Ethylbenzene	100	60		ug/kg	62.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.3		
o-Xylene	Not detected	60		ug/kg	62.3	95-47-6	
Styrene	Not detected	60		ug/kg	62.3	100-42-5	
Isopropylbenzene	700	300		ug/kg	62.3	98-82-8	
Bromoform	Not detected	100		ug/kg	62.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.3	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.51 (continued)

Sample Tag: SB-36 6.2-6.7

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 21:57, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	2,070	60		ug/kg	62.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.3	108-86-1	
1,3,5-Trimethylbenzene	730	60		ug/kg	62.3	108-67-8	
tert-Butylbenzene	Not detected	130		ug/kg	62.3	98-06-6	X
1,2,4-Trimethylbenzene	3,520	60		ug/kg	62.3	95-63-6	
sec-Butylbenzene	2,050	60		ug/kg	62.3	135-98-8	
p-Isopropyltoluene	700	100		ug/kg	62.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.3	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.3	95-50-1	
1,2,3-Trimethylbenzene	1,440	60		ug/kg	62.3	526-73-8	
n-Butylbenzene	2,600	60		ug/kg	62.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.3	91-57-6	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S27600.52
Sample Tag: SB-36 11.5-12
Collected Date/Time: 08/27/2021 08:02
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.222/13	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	91	1		%	1		

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 22:58, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:28, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	59	60-29-7	
Acetone	Not detected	1,000		ug/kg	59	67-64-1	
Methyl iodide	Not detected	100		ug/kg	59	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	59	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	59	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	59	107-13-1	
2-Butanone (MEK)	Not detected	890		ug/kg	59	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	59	75-71-8	
Chloromethane	Not detected	300		ug/kg	59	74-87-3	

Lab Sample ID: S27600.52 (continued)

Sample Tag: SB-36 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:28, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Vinyl chloride	Not detected	60		ug/kg	59	75-01-4	
Bromomethane	Not detected	200		ug/kg	59	74-83-9	
Chloroethane	Not detected	300		ug/kg	59	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	59	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	59	75-35-4	
Methylene chloride	Not detected	100		ug/kg	59	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	59	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	59	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	59	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	59	109-99-9	
Chloroform	Not detected	60		ug/kg	59	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	59	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	59	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	59	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	59	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	59	56-23-5	
Benzene	Not detected	60		ug/kg	59	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	59	107-06-2	
Trichloroethene	Not detected	60		ug/kg	59	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	59	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	59	75-27-4	
Dibromomethane	Not detected	300		ug/kg	59	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	59	10061-01-5	
Toluene	Not detected	60		ug/kg	59	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	59	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	59	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	59	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	59	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	59	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	59	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	59	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	59	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	59	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	59		
o-Xylene	Not detected	60		ug/kg	59	95-47-6	
Styrene	Not detected	60		ug/kg	59	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	59	98-82-8	
Bromoform	Not detected	100		ug/kg	59	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	59	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	59	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	59	103-65-1	
Bromobenzene	Not detected	100		ug/kg	59	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	59	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	59	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	59	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	59	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	59	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	59	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	59	106-46-7	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.52 (continued)

Sample Tag: SB-36 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:28, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	Not detected	100		ug/kg	59	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	59	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	59	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	59	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	59	96-12-8	
1,2,4-Trichlorobenzene	Not detected	390		ug/kg	59	120-82-1	
1,2,3-Trichlorobenzene	Not detected	390		ug/kg	59	87-61-6	
Naphthalene	Not detected	300		ug/kg	59	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	59	91-57-6	

Lab Sample ID: S27600.53
Sample Tag: SB-37 7-7.5
Collected Date/Time: 08/27/2021 08:35
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.956/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:42, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	4.83	0.30		mg/kg	241	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 23:16, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	400	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:50, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	58.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	58.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	58.2	74-88-4	

Lab Sample ID: S27600.53 (continued)

Sample Tag: SB-37 7-7.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:50, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	58.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	58.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	58.2	107-13-1	
2-Butanone (MEK)	Not detected	870		ug/kg	58.2	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	58.2	75-71-8	
Chloromethane	Not detected	300		ug/kg	58.2	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	58.2	75-01-4	
Bromomethane	Not detected	200		ug/kg	58.2	74-83-9	
Chloroethane	Not detected	300		ug/kg	58.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	58.2	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	58.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	58.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	58.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	58.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	58.2	109-99-9	
Chloroform	Not detected	60		ug/kg	58.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	58.2	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	58.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	58.2	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	58.2	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	58.2	56-23-5	
Benzene	Not detected	60		ug/kg	58.2	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	58.2	107-06-2	
Trichloroethene	Not detected	60		ug/kg	58.2	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	58.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	58.2	75-27-4	
Dibromomethane	Not detected	300		ug/kg	58.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-01-5	
Toluene	Not detected	60		ug/kg	58.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	58.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	58.2	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	58.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	58.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	58.2	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	58.2	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	58.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	58.2	630-20-6	
Ethylbenzene	1,210	60		ug/kg	58.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	58.2		
o-Xylene	100	60		ug/kg	58.2	95-47-6	
Styrene	Not detected	60		ug/kg	58.2	100-42-5	
Isopropylbenzene	2,100	300		ug/kg	58.2	98-82-8	
Bromoform	Not detected	100		ug/kg	58.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	58.2	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	58.2	96-18-4	
n-Propylbenzene	6,110	60		ug/kg	58.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	58.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	58.2	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.53 (continued)

Sample Tag: SB-37 7-7.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 04:50, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	110	60		ug/kg	58.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	58.2	95-63-6	
sec-Butylbenzene	3,890	60		ug/kg	58.2	135-98-8	
p-Isopropyltoluene	700	100		ug/kg	58.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	58.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	58.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	58.2	95-50-1	
1,2,3-Trimethylbenzene	7,780	60		ug/kg	58.2	526-73-8	
n-Butylbenzene	5,150	60		ug/kg	58.2	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	58.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	58.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	58.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	58.2	87-61-6	
Naphthalene	600	300		ug/kg	58.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	58.2	91-57-6	

Lab Sample ID: S27600.54
Sample Tag: SB-37 11.5-12
Collected Date/Time: 08/27/2021 08:52
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.532/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:44, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	6.96	0.30		mg/kg	227	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 23:33, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:12, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	60	60-29-7	
Acetone	Not detected	1,000		ug/kg	60	67-64-1	
Methyl iodide	Not detected	100		ug/kg	60	74-88-4	

Lab Sample ID: S27600.54 (continued)

Sample Tag: SB-37 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:12, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	60	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	60	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	60	107-13-1	
2-Butanone (MEK)	Not detected	900		ug/kg	60	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	60	75-71-8	
Chloromethane	Not detected	300		ug/kg	60	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	60	75-01-4	
Bromomethane	Not detected	200		ug/kg	60	74-83-9	
Chloroethane	Not detected	300		ug/kg	60	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	60	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	60	75-35-4	
Methylene chloride	Not detected	100		ug/kg	60	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	60	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	60	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	60	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	60	109-99-9	
Chloroform	Not detected	60		ug/kg	60	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	60	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	60	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	60	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	60	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	60	56-23-5	
Benzene	Not detected	60		ug/kg	60	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	60	107-06-2	
Trichloroethene	Not detected	60		ug/kg	60	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	60	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	60	75-27-4	
Dibromomethane	Not detected	300		ug/kg	60	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	60	10061-01-5	
Toluene	Not detected	60		ug/kg	60	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	60	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	60	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	60	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	60	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	60	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	60	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	60	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	60	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	60	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	60		
o-Xylene	Not detected	60		ug/kg	60	95-47-6	
Styrene	Not detected	60		ug/kg	60	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	60	98-82-8	
Bromoform	Not detected	100		ug/kg	60	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	60	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	60	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	60	103-65-1	
Bromobenzene	Not detected	100		ug/kg	60	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	60	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.54 (continued)

Sample Tag: SB-37 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:12, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	60	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	60	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	60	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	60	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	60	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	60	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	60	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	60	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	60	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	60	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	60	96-12-8	
1,2,4-Trichlorobenzene	Not detected	400		ug/kg	60	120-82-1	
1,2,3-Trichlorobenzene	Not detected	400		ug/kg	60	87-61-6	
Naphthalene	Not detected	300		ug/kg	60	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	60	91-57-6	

Lab Sample ID: S27600.55
Sample Tag: SB-38 3.5-4
Collected Date/Time: 08/27/2021 09:14
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	14.719/14	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	83	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:45, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	21.4	0.30		mg/kg	288	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/01/21 23:50, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	1,700,000	30,000		ug/kg	10		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/01/21 23:50, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	300	300		ug/kg	10	207-08-9	p
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	500	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	400	300		ug/kg	10	85-01-8	
Pyrene	500	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Y-Elevated reporting limit due to high target concentration
p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.

Lab Sample ID: S27600.55 (continued)
Sample Tag: SB-38 3.5-4

Organics - Volatiles

Method: SW8015M, Run Date: 09/02/21 17:49, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	3,000,000	300,000		ug/kg	3380		Y

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 22:19, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	67.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	67.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	67.5	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	67.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	67.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	67.5	107-13-1	
2-Butanone (MEK)	Not detected	1,000		ug/kg	67.5	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	67.5	75-71-8	
Chloromethane	Not detected	300		ug/kg	67.5	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	67.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	67.5	74-83-9	
Chloroethane	Not detected	300		ug/kg	67.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	67.5	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	67.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	67.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	67.5	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	67.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	67.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	67.5	109-99-9	
Chloroform	Not detected	70		ug/kg	67.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	67.5	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	67.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	67.5	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	67.5	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	67.5	56-23-5	
Benzene	Not detected	70		ug/kg	67.5	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	67.5	107-06-2	
Trichloroethene	Not detected	70		ug/kg	67.5	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	67.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	67.5	75-27-4	
Dibromomethane	Not detected	300		ug/kg	67.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	67.5	10061-01-5	
Toluene	Not detected	70		ug/kg	67.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	67.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	67.5	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	67.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	67.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	67.5	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	67.5	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	67.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	67.5	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	67.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	67.5		

Y-Elevated reporting limit due to high target concentration
M-Result reported to MDL not RDL

Lab Sample ID: S27600.55 (continued)

Sample Tag: SB-38 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/30/21 22:19, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
o-Xylene	Not detected	70		ug/kg	67.5	95-47-6	
Styrene	Not detected	70		ug/kg	67.5	100-42-5	
Isopropylbenzene	2,300	300		ug/kg	67.5	98-82-8	
Bromoform	Not detected	100		ug/kg	67.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	67.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	67.5	96-18-4	
n-Propylbenzene	5,190	70		ug/kg	67.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	67.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	67.5	108-67-8	
tert-Butylbenzene	380	70		ug/kg	67.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	67.5	95-63-6	
sec-Butylbenzene	12,970	70		ug/kg	67.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	67.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	67.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	67.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	67.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	67.5	526-73-8	
n-Butylbenzene	6,670	70		ug/kg	67.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	67.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	67.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	450		ug/kg	67.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	450		ug/kg	67.5	87-61-6	
Naphthalene	Not detected	300		ug/kg	67.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	67.5	91-57-6	

Lab Sample ID: S27600.56
Sample Tag: SB-38 6-6.5
Collected Date/Time: 08/27/2021 09:20
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	12.269/12	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	88	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:47, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.00	0.30		mg/kg	239	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:07, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:36, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.4	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.4	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.4	74-88-4	

Lab Sample ID: S27600.56 (continued)

Sample Tag: SB-38 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:36, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	62.4	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.4	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.4	107-13-1	
2-Butanone (MEK)	Not detected	940		ug/kg	62.4	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.4	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.4	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.4	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.4	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.4	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.4	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.4	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.4	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.4	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.4	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.4	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.4	109-99-9	
Chloroform	Not detected	60		ug/kg	62.4	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.4	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.4	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.4	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.4	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.4	56-23-5	
Benzene	Not detected	60		ug/kg	62.4	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.4	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.4	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.4	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.4	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.4	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.4	10061-01-5	
Toluene	Not detected	60		ug/kg	62.4	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.4	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.4	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.4	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.4	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.4	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.4	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.4	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.4	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.4	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.4		
o-Xylene	Not detected	60		ug/kg	62.4	95-47-6	
Styrene	Not detected	60		ug/kg	62.4	100-42-5	
Isopropylbenzene	1,700	300		ug/kg	62.4	98-82-8	
Bromoform	Not detected	100		ug/kg	62.4	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.4	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.4	96-18-4	
n-Propylbenzene	2,620	60		ug/kg	62.4	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.4	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.4	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.56 (continued)

Sample Tag: SB-38 6-6.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:36, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	80	60		ug/kg	62.4	98-06-6	
1,2,4-Trimethylbenzene	320	60		ug/kg	62.4	95-63-6	
sec-Butylbenzene	1,970	60		ug/kg	62.4	135-98-8	
p-Isopropyltoluene	200	100		ug/kg	62.4	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.4	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.4	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.4	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.4	526-73-8	
n-Butylbenzene	1,550	60		ug/kg	62.4	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.4	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.4	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.4	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.4	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.4	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.4	91-57-6	

Lab Sample ID: S27600.57
Sample Tag: SB-39 3.5-4
Collected Date/Time: 08/27/2021 09:42
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
DRO Extraction*	Completed	SW3546	09/01/21 17:00	JWR	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	13.532/13	SW5035A	08/30/21 14:48	BML	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	87	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:49, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	3.50	0.30		mg/kg	258	7439-92-1	

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/08/21 09:55, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	Not detected	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:24, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Lab Sample ID: S27600.57 (continued)
Sample Tag: SB-39 3.5-4

Organics - Volatiles

Method: SW8015M, Run Date: 09/08/21 20:30, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	62.7		

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:58, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	62.7	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.7	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.7	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	62.7	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	62.7	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.7	107-13-1	
2-Butanone (MEK)	Not detected	940		ug/kg	62.7	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.7	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.7	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.7	75-01-4	
Bromomethane	Not detected	300		ug/kg	62.7	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.7	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.7	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.7	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.7	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.7	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.7	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.7	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.7	109-99-9	
Chloroform	Not detected	60		ug/kg	62.7	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.7	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.7	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.7	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.7	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.7	56-23-5	
Benzene	Not detected	60		ug/kg	62.7	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.7	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.7	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.7	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.7	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.7	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.7	10061-01-5	
Toluene	Not detected	60		ug/kg	62.7	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.7	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.7	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.7	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.7	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.7	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	62.7	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.7	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.7	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.7	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.7		
o-Xylene	Not detected	60		ug/kg	62.7	95-47-6	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.57 (continued)

Sample Tag: SB-39 3.5-4

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 05:58, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Styrene	Not detected	60		ug/kg	62.7	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.7	98-82-8	
Bromoform	Not detected	100		ug/kg	62.7	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.7	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.7	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.7	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.7	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.7	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	62.7	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.7	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.7	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.7	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.7	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.7	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.7	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.7	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.7	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.7	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.7	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.7	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.7	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.7	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.7	91-57-6	

Lab Sample ID: S27600.58
Sample Tag: SB-40 7.5-8
Collected Date/Time: 08/27/2021 10:17
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 10:20	PTW	
Sample wt. (g) / Methanol (ml)*	16.005/16	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 14:15, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	89	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:51, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	23.6	0.30		mg/kg	249	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 00:41, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:20, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	62.3	60-29-7	
Acetone	Not detected	1,000		ug/kg	62.3	67-64-1	
Methyl iodide	Not detected	100		ug/kg	62.3	74-88-4	

Lab Sample ID: S27600.58 (continued)

Sample Tag: SB-40 7.5-8

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:20, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	300		ug/kg	62.3	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	62.3	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	62.3	107-13-1	
2-Butanone (MEK)	Not detected	930		ug/kg	62.3	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	62.3	75-71-8	
Chloromethane	Not detected	300		ug/kg	62.3	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	62.3	75-01-4	
Bromomethane	Not detected	200		ug/kg	62.3	74-83-9	
Chloroethane	Not detected	300		ug/kg	62.3	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	62.3	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	62.3	75-35-4	
Methylene chloride	Not detected	100		ug/kg	62.3	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	62.3	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	62.3	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	62.3	109-99-9	
Chloroform	Not detected	60		ug/kg	62.3	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	62.3	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	62.3	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	62.3	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	62.3	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	62.3	56-23-5	
Benzene	Not detected	60		ug/kg	62.3	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	62.3	107-06-2	
Trichloroethene	Not detected	60		ug/kg	62.3	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	62.3	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	62.3	75-27-4	
Dibromomethane	Not detected	300		ug/kg	62.3	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-01-5	
Toluene	Not detected	60		ug/kg	62.3	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	62.3	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	62.3	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	62.3	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	62.3	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	62.3	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	62.3	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	62.3	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	62.3	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	62.3	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	62.3		
o-Xylene	Not detected	60		ug/kg	62.3	95-47-6	
Styrene	Not detected	60		ug/kg	62.3	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	62.3	98-82-8	
Bromoform	Not detected	100		ug/kg	62.3	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	62.3	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	62.3	96-18-4	
n-Propylbenzene	Not detected	60		ug/kg	62.3	103-65-1	
Bromobenzene	Not detected	100		ug/kg	62.3	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	62.3	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.58 (continued)

Sample Tag: SB-40 7.5-8

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:20, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	60		ug/kg	62.3	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	62.3	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	62.3	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	62.3	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	62.3	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	62.3	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	62.3	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	62.3	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	62.3	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	62.3	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	62.3	96-12-8	
1,2,4-Trichlorobenzene	Not detected	410		ug/kg	62.3	120-82-1	
1,2,3-Trichlorobenzene	Not detected	410		ug/kg	62.3	87-61-6	
Naphthalene	Not detected	300		ug/kg	62.3	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	62.3	91-57-6	

Lab Sample ID: S27600.59
Sample Tag: SB-40 10-11
Collected Date/Time: 08/27/2021 10:13
Matrix: Soil
COC Reference: 116230

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.6	IR
1	40ml Glass	MeOH	Yes	3.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/01/21 11:00	CCM	
PNA Extraction*	Completed	SW3546	09/01/21 16:20	JWR	
Sample wt. (g) / Methanol (ml)*	15.706/15	SW5035A	08/27/21 15:31	REC	

Inorganics

Method: SM2540B, Run Date: 08/31/21 15:00, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	80	1		%	1		

Metals

Method: SW6020A, Run Date: 09/01/21 12:53, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	4.96	0.30		mg/kg	262	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/02/21 20:45, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	Not detected	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	Not detected	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	Not detected	300		ug/kg	10	91-20-3	
Phenanthrene	Not detected	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	10	91-57-6	

Organics - Volatiles

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:43, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	72.2	60-29-7	
Acetone	Not detected	1,000		ug/kg	72.2	67-64-1	
Methyl iodide	Not detected	100		ug/kg	72.2	74-88-4	

Lab Sample ID: S27600.59 (continued)

Sample Tag: SB-40 10-11

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Carbon disulfide	Not detected	400		ug/kg	72.2	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	72.2	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	72.2	107-13-1	
2-Butanone (MEK)	Not detected	1,100		ug/kg	72.2	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	72.2	75-71-8	
Chloromethane	Not detected	400		ug/kg	72.2	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	72.2	75-01-4	
Bromomethane	Not detected	300		ug/kg	72.2	74-83-9	
Chloroethane	Not detected	400		ug/kg	72.2	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	72.2	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	72.2	75-35-4	
Methylene chloride	Not detected	100		ug/kg	72.2	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	72.2	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	72.2	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	72.2	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	72.2	109-99-9	
Chloroform	Not detected	70		ug/kg	72.2	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	72.2	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	72.2	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	72.2	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	72.2	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	72.2	56-23-5	
Benzene	Not detected	70		ug/kg	72.2	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	72.2	107-06-2	
Trichloroethene	Not detected	70		ug/kg	72.2	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	72.2	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	72.2	75-27-4	
Dibromomethane	Not detected	400		ug/kg	72.2	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	72.2	10061-01-5	
Toluene	Not detected	70		ug/kg	72.2	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	72.2	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	72.2	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	72.2	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	72.2	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	72.2	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	72.2	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	72.2	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	72.2	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	72.2	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	72.2		
o-Xylene	Not detected	70		ug/kg	72.2	95-47-6	
Styrene	Not detected	70		ug/kg	72.2	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	72.2	98-82-8	
Bromoform	Not detected	100		ug/kg	72.2	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	72.2	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	72.2	96-18-4	
n-Propylbenzene	Not detected	70		ug/kg	72.2	103-65-1	
Bromobenzene	Not detected	100		ug/kg	72.2	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	72.2	108-67-8	

M-Result reported to MDL not RDL

Lab Sample ID: S27600.59 (continued)

Sample Tag: SB-40 10-11

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 08/31/21 06:43, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
tert-Butylbenzene	Not detected	70		ug/kg	72.2	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	72.2	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	72.2	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	72.2	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	72.2	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	72.2	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	72.2	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	72.2	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	72.2	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	72.2	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	72.2	96-12-8	
1,2,4-Trichlorobenzene	Not detected	480		ug/kg	72.2	120-82-1	
1,2,3-Trichlorobenzene	Not detected	480		ug/kg	72.2	87-61-6	
Naphthalene	Not detected	400		ug/kg	72.2	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	72.2	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID: S27600
Client: KECK (Keck Consulting)
Project: 475-1483
Submitted: 08/27/2021 14:30 Login User: SRS

Attention: John Bomba
Address: Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 FAX:
Email: j.bomba@keckconsulting.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 3.6
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 5

116281

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek
STATE: MI
ZIP CODE: 49016
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS: j.bomba@kbckconsulting.com
QUOTE NO.:

INVOICE TO

CONTACT NAME:
☐ SAME
COMPANY:
ADDRESS:
CITY:
STATE:
ZIP CODE:
PHONE NO.:
E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	DRO/GRO	Pb	Special Instructions
27600.01	0902	8/25/21	SB-13	19.5-20	S	2	1					1		X	X	X		
.02	0952		SB-14	15.5-16														
.03	1007		SB-15	6-6.5														
.04	1022		SB-15	14.5-15														Hold samples for possible future metals analysis
.05	1026		SB-15	19.5-20														
.06	1102		SB-16	6.5-7														
.07	1113		SB-16	15.5-16														
.08	1131		SB-17	6.5-7														
.09	1136		SB-17	15.5-16														
.10	1150		SB-18	6.5-7												X		
.11	1202		SB-18	15.5-16														
.12	1237		SB-19	9.5-10.5												X	X	ICE

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
☐ Sampler	8/27/21	1321
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1321
RELINQUISHED BY: SIGNATURE/ORGANIZATION	8/27/21	2:30
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1430

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.6

(PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE)

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Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 2 OF 5

116237

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek
STATE: MI
ZIP CODE: 49016
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS:
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY:
STATE:
ZIP CODE:
PHONE NO.:
E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNA	[illegible]	DRO/GRO	PB	Special Instructions
276600.13	8/25/21	1307	SB-19	19.5-20	S	2	1					1		X	X	X		X	
.14		1411	SB-20	10.5-11															
.15		1413	SB-20	11.5-12															
.16		1415	SB-20	15.5-16															
.17		0941	SB-14	19.5-20															
.18		1432	SB-21	6-6.5													X		
.19		1439	SB-21	15.5-16													X		
.20		1447	SB-21	19.5-20															
.21		1515	SB-22	7.5-8													X	X	
.22		1530	SB-22	15.5-16														X	
.23		1605	SB-23	11.5-12														X	
.24		1625	SB-24	7.5-8													X		ICB

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Sampler	8/27/21	1321
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1321
RELINQUISHED BY: SIGNATURE/ORGANIZATION	8/27/21	12:30
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1430

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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Merit Laboratories, Inc.

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C.O.C. PAGE # 3 OF 5

116236

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KECK
ADDRESS: PO Box 2650
CITY: Battle Creek
STATE: MI
ZIP CODE: 49016
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS: j.bomba@keckconsulting.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY:
STATE:
ZIP CODE:
PHONE NO.:
E-MAIL ADDRESS:

PROJECT NO./NAME: 475.1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOC	DNA		DAUGRO							Special Instructions
27600.25	8/25/21	1634	SB-24 11.5-12	S	2	1					1		X	X									
.26	8/25/21	1640	SB-24 17-17.5										X	X									
.27	8/26/21	1026	SB-25 4.9-5.2										X	X									
.28		1030	SB-25 11.5-12										X	X									Hold samples for possible future metals analysis
.29		1040	SB-25 16.5-17										X	X									
.30		0939	SB-26 6.5-7										X	X									
.31		0942	SB-26 11.5-12										X	X									
.32		1003	SB-26 19-20										X	X									
.33		0851	SB-27 4.9-5.2										X	X		X							
.34		0844	SB-27 6.5-7										X	X									
.35		0850	SB-27 15.5-16										X	X									
.36		0814	SB-28 6.5-7										X	X									

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☐ Sampler	DATE	TIME
		8/27/21	1321
RECEIVED BY: SIGNATURE/ORGANIZATION		8/27/21	1321
RELINQUISHED BY: SIGNATURE/ORGANIZATION		8/27/21	2:30
RECEIVED BY: SIGNATURE/ORGANIZATION		8/27/21	1430

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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C.O.C. PAGE # 4 OF 5

116235

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek STATE: MI ZIP CODE: 49016
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS: j.bomba@kbckconsulting.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.:
E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC ZUCKER

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Pb	D20/626								Special Instructions
27600.37	8/26/21	~~0933~~ 0915	SB-29	4.9-5.2	S	2	1					1		X	X									
.38		~~0934~~ 0916	SB-29	6.5-7																				
.39		1135	SB-31	6-7												X								Hold sample for possible future metals analysis
.40		1143	SB-31	10-10.5												X								
.41		1139	SB-31	11.5-12												X								
.42		1247	SB-32	15.5-16												X								
.43		1351	SB-33	6-6.5												X								
.44		1400	SB-33	15.5-16												X								
.45		~~1422~~ 1422	SB-34	3.5-4																				
.46		1432	SB-34	11.5-12																				
.47		1434	SB-34	15.5-16																				
.48		1457	SB-35	6.5-7																				TCE

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Sampler	8/27/21	1321
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1321
RELINQUISHED BY: SIGNATURE/ORGANIZATION	8/27/21	2:30
RECEIVED BY: SIGNATURE/ORGANIZATION	8/27/21	1430

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

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C.O.C. PAGE # 5 OF 5

116230

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KBCK
ADDRESS: PO Box 2650
CITY: Battle Creek STATE: MI ZIP CODE: 49016
PHONE NO.:
FAX NO.:
P.O. NO.:
E-MAIL ADDRESS: j.bomba@kbckconsulting.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX	# OF BOTTLES	NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs	Pb	DRO/GRO	Special Instructions
27606.49	8/26/21	1514	SB-35	17-17.5	S	2	1					1		X	X			
.50	8/27/21	1148	SB-30	3.5-4	S	2	1					1		X	X			Hold samples for
.51	8/27/21	0757	SB-36	6.2-6.7	S	2	1					1		X	X		X	possible future
.52	8/27/21	0807	SB-36	11.5-12	S	2	1					1		X	X			metal analysis
.53	8/27/21	0835	SB-37	7-7.5	S	2	1					1		X	X	X		
.54	8/27/21	0852	SB-37	11.5-12	S	2	1					1		X	X	X		
.55		0914	SB-38	3.5-4	S	2	1					1		X	X	X	X	
.56		0920	SB-38	6-6.5	S	2	1					1		X	X	X		
.57		0942	SB-39	3.5-4	S	2	1					1		X	X	X		
.58		1017	SB-40	7.5-8	S	2	1					1		X	X	X	X	
.59		1013	SB-40	10-11	S	2	1					1		X	X	X	X	
																		ICE

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Sampler	8/27/21	1321
RECEIVED BY: SIGNATURE/ORGANIZATION		8/27/21	1320
RELINQUISHED BY: SIGNATURE/ORGANIZATION		8/27/21	2:30
RECEIVED BY: SIGNATURE/ORGANIZATION		8/27/21	1430

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION			
RECEIVED BY: SIGNATURE/ORGANIZATION			

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Report ID: S27882.01(01)
Generated on 09/10/2021

Report to

Attention: John Bomba
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Battle Creek, MI 49015

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Report produced by

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Report Summary

Lab Sample ID(s): S27882.01-S27882.02
Project: 475-1483
Collected Date(s): 08/27/2021
Submitted Date/Time: 09/07/2021 15:10
Sampled by: Eric Ruckert
P.O. #:

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Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.
Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2011
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW5035A	SW 846 Method 5035A Revision 1 July 2002
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270D	SW 846 Method 8270D Revision 4 February 2007

Analytical Laboratory Report

Sample Summary (2 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S27882.01	SB-38 11.5-12	Soil	08/27/21 09:25
S27882.02	SB-39 7-7.5	Soil	08/27/21 09:44

Analytical Laboratory Report

Lab Sample ID: S27882.01
Sample Tag: SB-38 11.5-12
Collected Date/Time: 08/27/2021 09:25
Matrix: Soil
COC Reference: 126161

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.2	IR
1	40ml Glass	MeOH	Yes	3.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	09/08/21 10:20	DMP	
PNA Extraction*	Completed	SW3546	09/08/21 10:20	DMP	
Sample wt. (g) / Methanol (ml)*	13.788/13	SW5035A	09/07/21 15:43	REC	

Inorganics

Method: SM2540B, Run Date: 09/09/21 16:50, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	90	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/09/21 01:12, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	140,000	4,000		ug/kg	1.5		

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/09/21 01:12, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	1.5	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	1.5	208-96-8	
Anthracene	Not detected	300		ug/kg	1.5	120-12-7	
Benzo(a)anthracene	Not detected	300		ug/kg	1.5	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	1.5	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	1.5	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	1.5	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	1.5	191-24-2	
Chrysene	Not detected	300		ug/kg	1.5	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	1.5	53-70-3	
Fluoranthene	Not detected	300		ug/kg	1.5	206-44-0	
Fluorene	Not detected	300		ug/kg	1.5	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	1.5	193-39-5	
Naphthalene	Not detected	300		ug/kg	1.5	91-20-3	
Phenanthrene	Not detected	300		ug/kg	1.5	85-01-8	
Pyrene	Not detected	300		ug/kg	1.5	129-00-0	
2-Methylnaphthalene	Not detected	300		ug/kg	1.5	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/09/21 17:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	6,000		ug/kg	57.9		

Lab Sample ID: S27882.01 (continued)
Sample Tag: SB-38 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 09/09/21 17:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	200		ug/kg	57.9	60-29-7	
Acetone	Not detected	1,000		ug/kg	57.9	67-64-1	
Methyl iodide	Not detected	100		ug/kg	57.9	74-88-4	
Carbon disulfide	Not detected	300		ug/kg	57.9	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	200		ug/kg	57.9	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	57.9	107-13-1	
2-Butanone (MEK)	Not detected	870		ug/kg	57.9	78-93-3	
Dichlorodifluoromethane	Not detected	300		ug/kg	57.9	75-71-8	
Chloromethane	Not detected	300		ug/kg	57.9	74-87-3	
Vinyl chloride	Not detected	60		ug/kg	57.9	75-01-4	
Bromomethane	Not detected	200		ug/kg	57.9	74-83-9	
Chloroethane	Not detected	300		ug/kg	57.9	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	57.9	75-69-4	
1,1-Dichloroethene	Not detected	60		ug/kg	57.9	75-35-4	
Methylene chloride	Not detected	100		ug/kg	57.9	75-09-2	
trans-1,2-Dichloroethene	Not detected	60		ug/kg	57.9	156-60-5	
1,1-Dichloroethane	Not detected	60		ug/kg	57.9	75-34-3	
cis-1,2-Dichloroethene	Not detected	60		ug/kg	57.9	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	57.9	109-99-9	
Chloroform	Not detected	60		ug/kg	57.9	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	57.9	74-97-5	
1,1,1-Trichloroethane	Not detected	60		ug/kg	57.9	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	3,000		ug/kg	57.9	108-10-1	
2-Hexanone	Not detected	3,000		ug/kg	57.9	591-78-6	
Carbon tetrachloride	Not detected	60		ug/kg	57.9	56-23-5	
Benzene	Not detected	60		ug/kg	57.9	71-43-2	
1,2-Dichloroethane	Not detected	60		ug/kg	57.9	107-06-2	
Trichloroethene	Not detected	60		ug/kg	57.9	79-01-6	
1,2-Dichloropropane	Not detected	60		ug/kg	57.9	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	57.9	75-27-4	
Dibromomethane	Not detected	300		ug/kg	57.9	74-95-3	
cis-1,3-Dichloropropene	Not detected	60		ug/kg	57.9	10061-01-5	
Toluene	Not detected	60		ug/kg	57.9	108-88-3	
trans-1,3-Dichloropropene	Not detected	60		ug/kg	57.9	10061-02-6	
1,1,2-Trichloroethane	Not detected	60		ug/kg	57.9	79-00-5	
Tetrachloroethene	Not detected	60		ug/kg	57.9	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	60		ug/kg	57.9	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	57.9	124-48-1	
1,2-Dibromoethane	Not detected	20		ug/kg	57.9	106-93-4	M
Chlorobenzene	Not detected	60		ug/kg	57.9	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	57.9	630-20-6	
Ethylbenzene	Not detected	60		ug/kg	57.9	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	57.9		
o-Xylene	Not detected	60		ug/kg	57.9	95-47-6	
Styrene	Not detected	60		ug/kg	57.9	100-42-5	
Isopropylbenzene	Not detected	300		ug/kg	57.9	98-82-8	
Bromoform	Not detected	100		ug/kg	57.9	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	60		ug/kg	57.9	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	57.9	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27882.01 (continued)
Sample Tag: SB-38 11.5-12

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 09/09/21 17:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	60		ug/kg	57.9	103-65-1	
Bromobenzene	Not detected	100		ug/kg	57.9	108-86-1	
1,3,5-Trimethylbenzene	Not detected	60		ug/kg	57.9	108-67-8	
tert-Butylbenzene	Not detected	60		ug/kg	57.9	98-06-6	
1,2,4-Trimethylbenzene	Not detected	60		ug/kg	57.9	95-63-6	
sec-Butylbenzene	Not detected	60		ug/kg	57.9	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	57.9	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	57.9	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	57.9	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	57.9	95-50-1	
1,2,3-Trimethylbenzene	Not detected	60		ug/kg	57.9	526-73-8	
n-Butylbenzene	Not detected	60		ug/kg	57.9	104-51-8	
Hexachloroethane	Not detected	300		ug/kg	57.9	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	300		ug/kg	57.9	96-12-8	
1,2,4-Trichlorobenzene	Not detected	380		ug/kg	57.9	120-82-1	
1,2,3-Trichlorobenzene	Not detected	380		ug/kg	57.9	87-61-6	
Naphthalene	Not detected	300		ug/kg	57.9	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	57.9	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S27882.02
Sample Tag: SB-39 7-7.5
Collected Date/Time: 08/27/2021 09:44
Matrix: Soil
COC Reference: 126161

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.2	IR
1	40ml Glass	MeOH	Yes	3.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
DRO Extraction*	Completed	SW3546	09/08/21 10:20	DMP	
PNA Extraction*	Completed	SW3546	09/08/21 10:20	DMP	
Sample wt. (g) / Methanol (ml)*	13.200/13	SW5035A	09/07/21 15:43	REC	

Inorganics

Method: SM2540B, Run Date: 09/09/21 16:50, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	81	1		%	1		

Organics - Semi-Volatiles

Method: SW8015M, Run Date: 09/09/21 01:29, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH DRO (C10-C28)*	1,444,000	28,000		ug/kg	10		Y

Polynuclear Aromatics, Method: SW8270D, Run Date: 09/09/21 01:29, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	300		ug/kg	10	83-32-9	
Acenaphthylene	Not detected	300		ug/kg	10	208-96-8	
Anthracene	Not detected	300		ug/kg	10	120-12-7	
Benzo(a)anthracene	500	300		ug/kg	10	56-55-3	
Benzo(a)pyrene	Not detected	300		ug/kg	10	50-32-8	
Benzo(b)fluoranthene	Not detected	300		ug/kg	10	205-99-2	
Benzo(k)fluoranthene	Not detected	300		ug/kg	10	207-08-9	
Benzo(ghi)perylene	Not detected	300		ug/kg	10	191-24-2	
Chrysene	500	300		ug/kg	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	300		ug/kg	10	53-70-3	
Fluoranthene	Not detected	300		ug/kg	10	206-44-0	
Fluorene	300	300		ug/kg	10	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	300		ug/kg	10	193-39-5	
Naphthalene	600	300		ug/kg	10	91-20-3	
Phenanthrene	1,500	300		ug/kg	10	85-01-8	
Pyrene	Not detected	300		ug/kg	10	129-00-0	
2-Methylnaphthalene	2,300	300		ug/kg	10	91-57-6	

Organics - Volatiles

Method: SW8015M, Run Date: 09/09/21 18:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
TPH GRO (C6-C10)*	Not detected	7,000		ug/kg	72.5		

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S27882.02 (continued)
Sample Tag: SB-39 7-7.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 09/09/21 18:02, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	300		ug/kg	72.5	60-29-7	
Acetone	Not detected	1,000		ug/kg	72.5	67-64-1	
Methyl iodide	Not detected	100		ug/kg	72.5	74-88-4	
Carbon disulfide	Not detected	400		ug/kg	72.5	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	300		ug/kg	72.5	1634-04-4	
Acrylonitrile	Not detected	100		ug/kg	72.5	107-13-1	
2-Butanone (MEK)	Not detected	1,100		ug/kg	72.5	78-93-3	
Dichlorodifluoromethane	Not detected	400		ug/kg	72.5	75-71-8	
Chloromethane	Not detected	400		ug/kg	72.5	74-87-3	
Vinyl chloride	Not detected	70		ug/kg	72.5	75-01-4	
Bromomethane	Not detected	300		ug/kg	72.5	74-83-9	
Chloroethane	Not detected	400		ug/kg	72.5	75-00-3	
Trichlorofluoromethane	Not detected	100		ug/kg	72.5	75-69-4	
1,1-Dichloroethene	Not detected	70		ug/kg	72.5	75-35-4	
Methylene chloride	Not detected	100		ug/kg	72.5	75-09-2	
trans-1,2-Dichloroethene	Not detected	70		ug/kg	72.5	156-60-5	
1,1-Dichloroethane	Not detected	70		ug/kg	72.5	75-34-3	
cis-1,2-Dichloroethene	Not detected	70		ug/kg	72.5	156-59-2	
Tetrahydrofuran*	Not detected	1,000		ug/kg	72.5	109-99-9	
Chloroform	Not detected	70		ug/kg	72.5	67-66-3	
Bromochloromethane	Not detected	100		ug/kg	72.5	74-97-5	
1,1,1-Trichloroethane	Not detected	70		ug/kg	72.5	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	4,000		ug/kg	72.5	108-10-1	
2-Hexanone	Not detected	4,000		ug/kg	72.5	591-78-6	
Carbon tetrachloride	Not detected	70		ug/kg	72.5	56-23-5	
Benzene	Not detected	70		ug/kg	72.5	71-43-2	
1,2-Dichloroethane	Not detected	70		ug/kg	72.5	107-06-2	
Trichloroethene	Not detected	70		ug/kg	72.5	79-01-6	
1,2-Dichloropropane	Not detected	70		ug/kg	72.5	78-87-5	
Bromodichloromethane	Not detected	100		ug/kg	72.5	75-27-4	
Dibromomethane	Not detected	400		ug/kg	72.5	74-95-3	
cis-1,3-Dichloropropene	Not detected	70		ug/kg	72.5	10061-01-5	
Toluene	Not detected	70		ug/kg	72.5	108-88-3	
trans-1,3-Dichloropropene	Not detected	70		ug/kg	72.5	10061-02-6	
1,1,2-Trichloroethane	Not detected	70		ug/kg	72.5	79-00-5	
Tetrachloroethene	Not detected	70		ug/kg	72.5	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	70		ug/kg	72.5	110-57-6	
Dibromochloromethane	Not detected	100		ug/kg	72.5	124-48-1	
1,2-Dibromoethane	Not detected	30		ug/kg	72.5	106-93-4	M
Chlorobenzene	Not detected	70		ug/kg	72.5	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	100		ug/kg	72.5	630-20-6	
Ethylbenzene	Not detected	70		ug/kg	72.5	100-41-4	
p,m-Xylene	Not detected	100		ug/kg	72.5		
o-Xylene	Not detected	70		ug/kg	72.5	95-47-6	
Styrene	Not detected	70		ug/kg	72.5	100-42-5	
Isopropylbenzene	Not detected	400		ug/kg	72.5	98-82-8	
Bromoform	Not detected	100		ug/kg	72.5	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	70		ug/kg	72.5	79-34-5	
1,2,3-Trichloropropane	Not detected	100		ug/kg	72.5	96-18-4	

M-Result reported to MDL not RDL

Lab Sample ID: S27882.02 (continued)

Sample Tag: SB-39 7-7.5

Volatile Organics 5035, Method: SW5035A/8260C, Run Date: 09/09/21 18:02, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Propylbenzene	Not detected	70		ug/kg	72.5	103-65-1	
Bromobenzene	Not detected	100		ug/kg	72.5	108-86-1	
1,3,5-Trimethylbenzene	Not detected	70		ug/kg	72.5	108-67-8	
tert-Butylbenzene	Not detected	70		ug/kg	72.5	98-06-6	
1,2,4-Trimethylbenzene	Not detected	70		ug/kg	72.5	95-63-6	
sec-Butylbenzene	Not detected	70		ug/kg	72.5	135-98-8	
p-Isopropyltoluene	Not detected	100		ug/kg	72.5	99-87-6	
1,3-Dichlorobenzene	Not detected	100		ug/kg	72.5	541-73-1	
1,4-Dichlorobenzene	Not detected	100		ug/kg	72.5	106-46-7	
1,2-Dichlorobenzene	Not detected	100		ug/kg	72.5	95-50-1	
1,2,3-Trimethylbenzene	Not detected	70		ug/kg	72.5	526-73-8	
n-Butylbenzene	Not detected	70		ug/kg	72.5	104-51-8	
Hexachloroethane	Not detected	400		ug/kg	72.5	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	400		ug/kg	72.5	96-12-8	
1,2,4-Trichlorobenzene	Not detected	480		ug/kg	72.5	120-82-1	
1,2,3-Trichlorobenzene	Not detected	480		ug/kg	72.5	87-61-6	
Naphthalene	Not detected	400		ug/kg	72.5	91-20-3	
2-Methylnaphthalene	Not detected	100		ug/kg	72.5	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID: S27882
Client: KECK (Keck Consulting)
Project: 475-1483
Submitted: 09/07/2021 15:10 Login User: PFD

Attention: John Bomba
Address: Keck Consulting
110 Knapp Drive
Battle Creek, MI 49015

Phone: O:269-222-1578 FAX:
Email: j.bomba@keckconsulting.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 3.2
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # _____ OF _____

126161

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: John Bomba
COMPANY: KECK
ADDRESS: PO Box 2650
CITY: Battle Creek STATE: MI ZIP CODE: 49016
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: j.bomba@keckconsulting.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 475-1483
SAMPLER(S) - PLEASE PRINT/SIGN NAME: ERIC RUCKERT

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☒ 3 DAYS ☐ STANDARD ☐ OTHER _____

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER _____

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other _____

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	PNAs		DRO/GRO	Special Instructions
27882.01	8/27/21	0925	SB-38 11.5-12	S	2	1					1		X	X		X	
.02	8/27/21	0944	SB-39 7-7.5	S	2	1					1		X	X		X	
																	ILE

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature] ☒ Sampler	8/27/21	1420
RECEIVED BY: KECK STORAGE	8/27/21	1420
RELINQUISHED BY: Keck STORAGE	9/7/21	2:05
RECEIVED BY: [signature]	9/7/21	2:05

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	9/7/21	3:10
RECEIVED BY: SIGNATURE/ORGANIZATION	9/7/21	1510

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.2

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

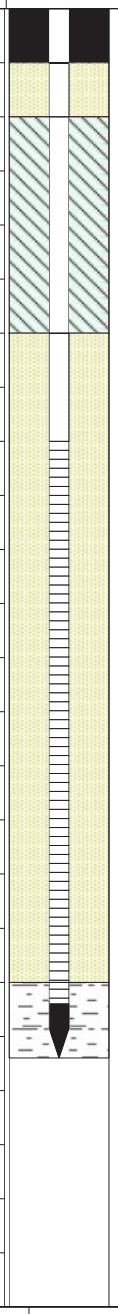
APPENDIX B
BORING LOGS

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-1	
BORING LOCATION: West portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION / Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0				0.5	SP	Brown gray medium to coarse SAND, some crushed Concrete, some Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	1	
2.0			4.0				2	
3.0				0.5	SP	Red brown fine to medium SAND, trace Silt, slight to very moist. (Ball, No Ribbon - LOAMY SAND)	3	
4.0				0.5			4	
5.0							5	
6.0			4.0				6	
7.0				0.7			7	
8.0					CL	Gray hard SILT & CLAY, trace fine Sand, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	8	
9.0							9	
10.0			4.0	0.6			10	
11.0							11	
12.0							12	

PROJECT: 10201 WOODWARD LDHA		Log of Well No. SB-2/MW-5	
BORING LOCATION:	Northwest portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 4.4-9.4
DRILLING EQUIPMENT:	GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 6.3'	CASING: Diameter/Type 2" PVC
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL, some crushed Concrete.
1.0				0.5	SP	Brown fine to medium SAND, trace Silt, dry to very moist with depth. (Ball, No Ribbon - LOAMY SAND)
2.0			4.0			
3.0				0.6		
4.0				0.6		
5.0	<500			0.6	SP	Brown gray medium to coarse SAND, some Gravel, trace Silt, saturated. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
6.0	<500		3.9			
7.0				8.5	SP	Gray medium to coarse SAND, some Gravel, trace Silt, saturated, petroleum odor. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
8.0				0.6		
9.0	<500				CL	Gray CLAY & SILT, some Sand, low plasticity, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.
10.0			0.6	0.6		
11.0						
12.0						



MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Silica Sand 2" PVC Casing

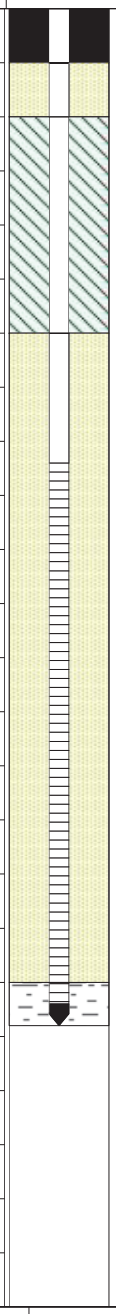
Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-3/MW-6	
BORING LOCATION: Northwest portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 4.4-9.4
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 6'	CASING: Diameter/Type 2" PVC
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:
0.0					SW	TOPSOIL.
					CB	SAND & BRICK & SLAG (FILL MATERIAL)
1.0				0.6	SP	Red black fine to medium SAND, trace Silt, slightly moist. (Ball, No Ribbon - LOAMY SAND)
2.0			4.0			
3.0				0.6		
4.0					SP	Light brown fine to medium SAND, trace Silt, slightly moist to saturated at 6' bgs. (Ball, No Ribbon - LOAMY SAND)
5.0				0.6		
6.0			4.0			
7.0	<500			0.6	SP	Brown turning to gray medium to coarse SAND, slight petroleum odor, saturated. (Ball, No Ribbon - LOAMY SAND). Oil-In Soil Test Kit = Green fluid clear ball.
8.0						
9.0						
10.0	<500		1.5	0.2	CL	Gray SILT & CLAY, trace fine Sand slightly moist to dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.
11.0						
12.0						

MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Silica Sand 2" PVC Casing

Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-4	
BORING LOCATION: North portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 5.4'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	
0.0					SW	TOPSOIL, with Brick pieces.	0
1.0					SP	Brown fine to medium SAND, some Brick, Asphalt, and Concrete pieces, dry. (Ball. No Ribbon - LOAMY SAND)	1
2.0			3.0	0.7			2
3.0							3
				0.7	SP	Light brown fine to medium SAND, trace Silt, slightly moist. (Ball, No Ribbon, LOAMY SAND)	
4.0					SW	Brown fine to coarse SAND, some Silt and Clay, some Gravel, saturated. (Ball, <2.5 Ribbon, Gritty, SANDY LOAM)	4
5.0	<500			0.7			5
6.0			4.0	0.6	CL	Gray SILT & CLAY, some fine Sand, slightly moist, high plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	6
7.0							7
8.0							8
9.0							9
10.0			2.8	0.7			10
11.0							11
12.0							12

MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-5	
BORING LOCATION: East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0				1.0	SP	Brown fine to medium SAND, some Concrete pieces, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	1	
2.0			3.8	0.9			2	
3.0				0.8	SP	Gray fine to coarse SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	3	
4.0							4	
5.0				0.9			5	
6.0			3.8	1.0	CB	CONCRETE PIECES.	6	
7.0				1.0	SP	Gray medium to coarse SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	7	
8.0				1.0	SW	Dark gray fine to medium SAND, some Silt and Clay, some Gravel, moist. (Ball, No Ribbon - LOAMY SAND)	8	
9.0	<500			1.0	SW	Black coarse SAND, some Gravel, saturated. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid clear ball.	9	
10.0			3.8				10	
11.0				1.0	CL	Gray SILT & CLAY, some coarse Sand, trace Gravel, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	11	
12.0							12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-6	
BORING LOCATION: East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 7'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION / Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			3.9	0.6			2	
3.0					SP	Gray brown fine to medium SAND, trace Silt. Slightly moist. (Ball, No Ribbon - LOAMY SAND)	3	
4.0							4	
5.0				0.4			5	
6.0			3.5				6	
7.0	<500				CL	Gray SILT & CLAY, some coarse Sand, some Gravel, moist to saturated, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	7	
8.0				0.5			8	
9.0							9	
10.0			2.0	0.7	CL	Gray hard SILT & CLAY, medium plasticity, very moist to moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	10	
11.0							11	
12.0							12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-7	
BORING LOCATION: South portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 6.5'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			3.2	0.6			2	
3.0					SP	Brown fine to medium SAND, some crushed Concrete, Bricks, Asphalt pieces, slightly moist. (Ball, No Ribbon - LOAMY SAND)	3	
4.0							4	
5.0				0.6			5	
6.0			2.4				6	
7.0				0.8	SW	Dark brown fine to medium SAND, some Silt, saturated. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	7	
8.0				20.4			8	
9.0							9	
10.0			3.6				10	
11.0				0.7	CL	Gray SILT & CLAY, some Sand, moist, high plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	11	
12.0							12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-8	
BORING LOCATION: Center of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading	DESCRIPTION / Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0				1.3			
2.0			3.3				
3.0				1.2	CL	Brown SILT & CLAY, dry, no plasticity. (Ball, No Ribbon - SILT LOAM)	
4.0							
5.0				1.3			
6.0			3.4				
7.0				0.9			
8.0							
9.0					CL	Gray SILT & CLAY, dry high plasticity, Gravel and staining at 6.2' bgs with petroleum odor. (Ball, 2.5-5 Ribbon, Smooth - SILT CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
10.0			3.6	0.9			
11.0							
12.0	<500						

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-9	
BORING LOCATION: East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			2.0	0.1			2	
3.0					SP	Brown fine to medium SAND, trace Silt. (Ball, No Ribbon, LOAMY SAND)	3	
4.0							4	
5.0				0.1			5	
6.0	<500		3.5		SW	Black fine to medium SAND, some Gravel, staining with strong odor. (Ball, No Ribbon, LOAMY SAND) Oil-In Soil Test Kit = Green fluid no color ball.	6	
7.0				0.9			7	
8.0							8	
9.0					CL	Gray SILT & CLAY, trace Gravel, black staining 6.5 to 7.0' bgs. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid no color ball.	9	
10.0			3.0	0.1			10	
11.0	<500						11	
12.0							12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-10	
BORING LOCATION: East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 9'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading	DESCRIPTION / Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
0.5							
1.0							
1.5							
2.0			4.0	0.1			
2.5							
3.0							
3.5							
4.0					SP	Brown SAND, with Brick and Concrete pieces, wood pieces at 5' bgs. (No Ball, No Ribbon - SAND)	
4.5							
5.0							
5.5							
6.0			2.0	2.0			
6.5							
7.0				536.0			
7.5							
8.0					SP	Brown SAND, with Brick and Concrete pieces, black staining and odor. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid pink ball.	
8.5	>500		0.0				
9.0						REFUSAL at 9' bgs	
9.5							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-11	
BORING LOCATION: East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 8.5'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			2.8	0.7	SW	Brown medium to coarse SAND, some Silt and Clay, some crushed Concrete and Brick pieces, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	2	
3.0							3	
				0.7	CL	Dark brown SILT & CLAY, some medium to coarse Sand, some Concrete pieces, slightly moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)		
4.0							4	
5.0							5	
6.0			1.8	0.7	SW	Brown medium to coarse SAND, some Silt and Clay, some Gravel, wood pieces at 8' bgs, slightly moist (Ball, No Ribbon - LOAMY SAND)	6	
7.0							7	
8.0				0.7			8	
9.0	<500			3.9	SP	Black medium to coarse SAND, some Gravel, petroleum odor, saturated. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid no color ball.	9	
10.0			4.0				10	
11.0				0.9	CL	Gray SILT & CLAY, trace Sand, low plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid no color ball.	11	
12.0	<500						12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-12	
BORING LOCATION: South portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 8'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 2.3'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
0.4							0	
0.8							1	
1.2				0.3	SW	Dark gray fine SAND, some Clay and Silt, saturated at 2.3' bgs. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	1	
1.6							2	
2.0			3.2				2	
2.4							2	
2.8							3	
3.2				0.2			3	
3.6				0.3	SW	Brown to light brown fine to coarse SAND, trace Gravel, trace Silt, saturated. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball at 3.5-4' bgs	4	
4.0							4	
4.4							4	
4.8				0.3			5	
5.2							5	
5.6							6	
6.0			3.9				6	
6.4							6	
6.8				6.3	CL	Brown gray SILT & CLAY, trace fine Sand, moist, high plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 7.5-8' bgs	7	
7.2							7	
7.6							8	

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-13**	
BORING LOCATION:	East of telephone pole	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 23.5'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT:	GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 6.2'	CASING: Diameter/Type NA
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	
0.0					SW	TOPSOIL.	
2.0			2.9	<1	CL	Brown SILT & CLAY, trace fine Sand, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
				<1	SW	Brown medium to coarse SAND, some Silt and Clay, some brick pieces, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0				<1	SP		
				13.6	SP	Dark brown fine to coarse SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	
6.0			3.2	104.3	SP	Dark brown fine to coarse SAND, trace Silt, moist. (Ball, No Ribbon - LOAMY SAND)	
8.0						Black fine to medium SAND, trace Silt, saturated at 6.2'bgs. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
10.0			3.3	<1			
12.0							
14.0			3.4	<1			
16.0					CL	Gray SILT & CLAY, trace fine Sand, medium plasticity. (Ball, 2.5-5 Ribbon, Smooth - SILTY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 19.5-20' bgs and 23-24' bgs.	
18.0			4.0	<1			
20.0	<500						
22.0			4.0	<1			
24.0	<500						

MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-14	
BORING LOCATION: Northeast of telephone pole	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.4	<1	SP	Brown fine to coarse SAND, trace Silt, trace Gravel, moist. (Ball, No Ribbon - LOAMY SAND)	
3.0				<1	SW	Brown medium to coarse SAND, some Brick pieces, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0				<1	SW	Dark brown medium to coarse SAND, some Brick pieces, moist. (Ball, No Ribbon - LOAMY SAND)	
5.0					SW	Dark brown medium to coarse SAND, some Brick pieces, very moist. (Ball, No Ribbon - LOAMY SAND)	
6.0	<500		3.6		SP	Gray fine to medium SAND, trace Silt, very moist. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.	
7.0							
8.0					CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, moist, medium plasticity, gray Sand seam at 14.5 - 14.7' (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid Pink ball at 11-12' bgs and Green fluid clear ball at 15.5-16' bgs.	
9.0							
10.0			3.2	<1			
11.0	<500						
12.0							
13.0							
14.0			4.0	<1			
15.0							
16.0	<500						
17.0							
18.0			4.0	<1			
19.0							
20.0							

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-15**	
BORING LOCATION: Northwest of GP-1		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0–1.0					SW	TOPSOIL.	
1.0–2.0			2.4	<1	SW	Brown fine to coarse SAND, trace Silt, some Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
2.0–3.0				<1	SW	Brown medium to coarse SAND, some Silt, some Brick and Slag pieces at 3.5 - 3.8' bgs. (Ball, >2.5 Ribbon, Gritty - SANDY LOAM)	
3.0–4.0							
4.0–5.0			3.6	<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, very moist, gray Clay seam at 5.2 - 5.4' bgs (Ball, No Ribbon - LOAMY SAND)	
5.0–6.0							
6.0–7.0				<1	CL	Gray SILT & CLAY, trace fine Sand, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
7.0–8.0							
8.0–9.0			3.2	<1	CL	Gray SILT & CLAY, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
9.0–10.0							
10.0–11.0							
11.0–12.0							
12.0–13.0			4.0	<1			
13.0–14.0							
14.0–15.0							
15.0–16.0							
16.0–17.0							
17.0–18.0			4.0	<1			
18.0–19.0							
19.0–20.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-16	
BORING LOCATION: West of telephone pole	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 6'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0				<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
2.0			2.2		SW	Black fine to medium SAND, some Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
3.0				<1			
				<1	SW	CONCRETE.	
4.0				<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
5.0							
6.0			3.5	59.6	CL	Gray SILT & CLAY, trace fine Sand, medium plasticity, petroleum odor, staining 6'bgs. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
7.0							
8.0							
9.0							
10.0			4.0	<1			
11.0							
12.0					CL	Gray SILT & CLAY, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
13.0							
14.0			3.8	2.2			
15.0							
16.0							

PROJECT:	10201 WOODWARD LDHA	**Log of Well No.**	**SB-17**
BORING LOCATION:	5' South 22' West of SB-8	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT:	GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0				<1	CL	Brown SILT & SAND, trace fine Gravel, dry. (Ball, 2.5-5 Ribbon, smooth - SANDY CLAY LOAM)	1	
2.0			2.8				2	
3.0							3	
4.0				<1	CL	Gray SILT, trace fine Sand, trace Gravel, slightly moist. (Ball, 2.5-5 Ribbon, smooth - SILTY CLAY LOAM)	4	
5.0							5	
6.0			2.5	<1			6	
7.0							7	
8.0							8	
9.0				<1			9	
10.0			4.0		CL	Gray SILT & CLAY, trace fine to medium Gravel, black fine Sand at 6.5 - 7' bgs. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	10	
11.0							11	
12.0				<1			12	
13.0							13	
14.0			4.0	<1			14	
15.0							15	
16.0							16	

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-18**	
BORING LOCATION: South of GP-9		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0					SW	BRICK pieces.	
2.0			2.5	<1	SP	Brown fine to coarse SAND, trace Silt, some Gravel, dry, Coal and Slag at 3' bgs. (Ball, No Ribbon - LOAMY SAND)	
3.0					SW	BRICK pieces.	
4.0				<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, moist. (Ball, No Ribbon - LOAMY SAND)	
5.0							
6.0			3.3				
7.0							
8.0				2.3			
9.0							
10.0			4.0	277.0	CL	Gray SILT & CLAY, trace Gravel, trace fine Sand, medium plasticity. (Ball. 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
11.0							
12.0							
13.0							
14.0			4.0	<1			
15.0							
16.0				<1			

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-19**	
BORING LOCATION: North of GP-8		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0–1.0					SW	TOPSOIL.	
1.0–4.0			3.3	<1, 3.0	SP	Brown fine to coarse SAND, trace Silt, trace Gravel, dry, moist at 4' bgs. (Ball, No Ribbon - LOAMY SAND)	
4.0–6.0			2.1	68.6	CL	Gray SILT & CLAY, some fine Sand, very moist, low plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
6.0–8.0				172.3	SP	Black fine to medium SAND, trace Silt, trace Fiber, saturated at 7' bgs. (Ball, No Ribbon - LOAMY SAND)	
8.0–10.0	<500		2.0	392.2	SW	Black fine to coarse SAND, some Silt, some Brick pieces, saturated. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.	
10.0–12.0				157.1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
12.0–20.0			4.0		CL	Gray SILT & CLAY, trace fine Sand, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-20	
BORING LOCATION: South of SB-10.	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 7'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0							
1.0				<1	SP	Brown fine to coarse SAND, trace Silt, trace Gravel, dry. (No Ball, No Ribbon - SAND)	
2.0			2.8				
3.0				<1	SP	Gray fine to coarse SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0							
5.0				46.5			
6.0			2.7		CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
7.0					SP	Gray fine to coarse SAND, trace Silt, trace Gravel, saturated at 8' bgs. (Ball, No Ribbon - LOAMY SAND)	
8.0							
9.0							
10.0			4.0				
11.0				2.6	SW	Black medium to coarse SAND, some Brick pieces, some Coal pieces, saturated. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid clear ball.	
				0.7	SW		
12.0						Gray medium to coarse SAND, some Gravel, moist. (No Ball, No Ribbon - SAND)	
13.0					CL	Gray SILT & CLAY, trace fine Sand, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
14.0			4.0				
15.0							
16.0				0.8			

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-21**	
BORING LOCATION:	East of telephone pole	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT:	GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 5'	CASING: Diameter/Type NA
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0							0	
1.0							1	
2.0			3.1	<1 <1			2	
3.0					SP	Brown fine to medium SAND, trace Silt, trace Gravel, saturated at 5' bgs. (Ball, No Ribbon - LOAMY SAND)	3	
4.0							4	
5.0				<1			5	
6.0	<500		3.1	94.8	SW	Gray fine to coarse SAND, some Silt, trace Gravel, saturated. (Ball, >2.5, Ribbon, Gritty, SANDY LOAM)	6	
7.0					CL	Gray SILT & CLAY, trace fine Sand, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	7	
8.0							8	
9.0							9	
10.0			3.8				10	
11.0							11	
12.0							12	
13.0							13	
14.0			4.0		CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM)	14	
15.0				<1			15	
16.0							16	
17.0							17	
18.0			4.0				18	
19.0							19	
20.0				<1			20	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-22	
BORING LOCATION: 2' West of SB-22A	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0–1.0					SW	TOPSOIL.	
1.0–4.0			3.0	<1	SW	Brown, fine to coarse SAND, some Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0–5.0							
5.0–6.0			2.8	<1	CL	Brown, SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
6.0–7.0							
7.0–8.0	>500			409.4	SP	Gray black medium to coarse SAND, trace Silt, trace Gravel, moist. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Pink fluid Pink ball.	
8.0–9.0					SW	Black fine to coarse SAND, some Silt and Clay, trace Gravel, saturated 8' bgs. (Ball, <2.5 Ribbon, Gritty, SANDY LOAM) Oil-In Soil Test Kit = Green fluid Pink ball.	
9.0–10.0	>500		3.4	86.2			
10.0–11.0							
11.0–12.0				11.8			
12.0–13.0							
13.0–14.0			4.0		CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
14.0–15.0							
15.0–16.0	<500			<1			
16.0–17.0							
17.0–18.0			4.0				
18.0–19.0							
19.0–20.0				<1			

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-23**	
BORING LOCATION: Southeast corner of property		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.8	<1			
3.0							
4.0					SW	Brown fine to coarse SAND, some Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
5.0							
6.0			2.1				
7.0				<1			
8.0				<1	SW	Black medium to coarse SAND, some Brick and Wood pieces, saturated at 9' bgs. (No Ball, No Ribbon - SAND)	
9.0							
10.0			3.0	<1			
11.0							
12.0	<500				CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball and 11.5-12' bgs and 15.5-16' bgs.	
13.0							
14.0			4.0	<1			
15.0							
16.0	<500						

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-24	
BORING LOCATION: 15' West 10' North of GP-6	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/25/2021	DATE FINISHED: 8/25/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 15.8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.3	<1	CL	Brown SILT and CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
3.0				<1	SW	Brown fine to coarse SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0							
5.0				<1			
6.0			3.5		CL	Brown gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity, black staining at 7.5 - 8' bgs. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM). Oil-In Soil Test Kit = Green fluid Pink ball.	
7.0	>500						
8.0				515.1			
9.0							
10.0			4.0	<1			
11.0	<500						
12.0					CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity, black staining at 7.5 - 8' bgs. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
13.0							
14.0			4.0				
15.0							
16.0				<1	SW	Gray fine to medium SAND, trace Silt, trace Gravel, saturated. (Ball, No Ribbon - LOAMY SAND)	
17.0	<500						
18.0			2.8	<1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 17-17.5' bgs and 19.5-20' bgs.	
19.0							
20.0	<500						

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-25	
BORING LOCATION: South of SB-26	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL.
1.0						Brown dark brown, fine to coarse SAND, some Brick and Concrete pieces, trace Silt, dry. (No Ball, No Ribbon - SAND)
2.0			2.3	<1	SW	
3.0						
4.0				<1	SW	Brown fine to medium SAND, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)
5.0	<500					Brown gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.
6.0			3.5	<1	CL	
7.0						
8.0						Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)
9.0						
10.0			4.0	<1		
11.0						
12.0						
13.0						
14.0			4.0	<1	CL	
15.0						
16.0						
17.0						
18.0			4.0	<1		
19.0						
20.0						

MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-26**	
BORING LOCATION:	South of SB-27	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT:	GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0				<1	SW	Brown fine to coarse SAND, some Gravel, some Brick and Concrete pieces, trace asphalt, trace Silt, dry. (No Ball, No Ribbon - SAND)	
2.0			2.7				
3.0							
4.0				<1	SW	Brown fine to medium SAND, trace Silt, dry. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid clear ball.	
5.0	<500			<1			
6.0			3.3		CL	Gray SILT & CLAY, trace Silt, trace Gravel, medium plasticity, moist at 6.5 - 7' bgs. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
7.0	<500			17.3			
8.0							
9.0							
10.0			4.0				
11.0							
12.0				<1	CL	Gray SILT & CLAY, some fine Sand, trace Silt, trace Gravel, medium plasticity, moist. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM)	
13.0							
14.0			2.5	<1	CL	Gray SILT & CLAY, trace fine Sand, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM)	
15.0							
16.0				<1			
17.0							
18.0			0.2				
19.0							
20.0				<1			

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-27	
BORING LOCATION: Southwest of MW-3	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0				<1	SW	Dark brown fine to coarse SAND, some Brick and Slag pieces, some Gravel, dry. (No Ball, No Ribbon - SAND)	
2.0			3.0				
3.0				<1	SP	Brown fine to medium SAND, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0				<1			
5.0	>500			406.3	SP	Gray fine to medium SAND, trace Silt, dry, dark staining. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid Pink ball.	
6.0			4.0		CL	Brown gray SILT & CLAY, trace fine Sand, trace Gravel. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
7.0	<500						
8.0					CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
9.0							
10.0			4.0				
11.0							
12.0							
13.0							
14.0			4.0	<1			
15.0							
16.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-28	
BORING LOCATION: West of SB-18	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.5	<1			
3.0					SP	Brown fine SAND, trace Silt, trace fine Gravel, slightly moist. (Ball, No Ribbon - LOAMY SAND)	
4.0							
5.0							
6.0			2.9				
7.0	<500			1.9			
8.0							
9.0					CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 6.5-7' bgs and 11.5-12' bgs.	
10.0			4.0	<1			
11.0	<500						
12.0					CL	Brown SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
13.0				<1	SW	Gray crushed SANDSTONE.	
14.0			4.0				
15.0				<1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
16.0							

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-29**	
BORING LOCATION: 7' West of SB-27		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading	DESCRIPTION (Surface Elevation:)		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0				<1	SW	Dark brown fine to coarse SAND, some Brick pieces, some Gravel, trace asphalt, dry. (No Ball, No Ribbon - SAND)	
2.0			3.0				
3.0				<1	SW	Brown fine to medium SAND, trace Gravel, dry. (No Ball, No Ribbon - SAND)	
4.0							
5.0							
6.0			3.2	<1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
7.0							
8.0							
9.0							
10.0			4.0	<1			
11.0							
12.0							

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-30**	
BORING LOCATION: East of SB-25		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: 6'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			2.7	<1	SW	Brown fine to coarse SAND, some Slag pieces, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	2	
3.0							3	
4.0				<1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM)	4	
5.0				<1			5	
6.0			3.0				6	
7.0				<1	CL	Gray brown SILT & CLAY, trace coarse Sand, trace fine Gravel, medium plasticity, saturated. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	7	
8.0				<1	CL	Gray brown SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	8	
9.0							9	
10.0			4.0	<1			10	
11.0							11	
12.0							12	
13.0							13	
14.0			4.0	<1			14	
15.0							15	
16.0							16	
17.0							17	
18.0			4.0	<1			18	
19.0							19	
20.0							20	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-31	
BORING LOCATION: Northwest of MW-1	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.5	<1	SP	Brown fine to medium SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	
3.0							
4.0					SW	BRICK pieces, trace Sand, trace Silt, trace asphalt.	
5.0				<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
6.0			2.5	<1	SW	Gray coarse SAND, some crushed Limestone. (No Ball, No Ribbon - SAND)	
7.0				<1	SW	Dark brown fine to medium SAND, some Silt and Clay, moist. (Ball <2.5 Ribbon, Gritty, SANDY LOAM)	
8.0				<1	SW	Brown coarse SAND, some Gravel, some crushed Limestone, saturated. (No Ball, No Ribbon - SAND)	
9.0							
10.0			4.0	<1			
11.0							
12.0					CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
13.0							
14.0			4.0	<1			
15.0							
16.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-32	
BORING LOCATION: North of GP-7	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.8	<1	SP	Brown fine to medium SAND, trace Silt, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
3.0				<1	SP	Gray fine to medium SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0							
5.0				<1			
					SW	CONCRETE.	
6.0			2.7		SP	Dark brown fine to coarse SAND, trace Silt, dry. (No Ball, No Ribbon - SAND)	
7.0					CL	Brown gray SILT & CLAY, dry, medium plasticity. (Ball 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
8.0							
9.0				<1	SW	Black medium to coarse SAND, some Gravel, dry. (No Ball, No Ribbon - SAND)	
10.0			4.0				
11.0				<1	CL	Brown gray SILT & CLAY, trace fine Sand, dry, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
12.0							
13.0							
14.0			4.0	<1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty, SANDY CLAY LOAM)	
15.0							
16.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-33	
BORING LOCATION: North of SB-32	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
					SW	CONCRETE pieces.	
1.0							
2.0			3.0		SP	Dark brown fine to coarse SAND, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	
3.0				<1			
4.0							
5.0					SP	Gray fine to medium SAND, trace Silt, trace Brick pieces, trace Asphalt, dry. (No Ball, No Ribbon - SAND)	
6.0			2.2				
7.0				<1	SW	CONCRETE and BRICK pieces, trace asphalt.	
					SW	Black coarse SAND, some Gravel, some Coal, saturated. (Ball, No Ribbon - LOAMY SAND)	
8.0				<1	CL	Dark gray SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
9.0				12.3	SW	Black Gravel, some Sand, trace Silt, saturated. (No Ball, No Ribbon - SAND)	
10.0			3.0				
11.0				<1			
12.0							
13.0					CL	Gray SILT & CLAY, trace Silt, trace Gravel, dry, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
14.0			3.5	<1			
15.0							
16.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-34	
BORING LOCATION: North of SB-33	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0					CB	CONCRETE.	
2.0			2.0				
3.0				<1	SP	Dark brown fine to medium SAND, trace Gravel, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0					CB	BRICK	
5.0							
6.0			0.7				
7.0					CB	Black coarse SAND & BRICK, saturated at 10' bgs.	
8.0							
9.0							
10.0			3.0	<1	CL	Gray brown SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
11.0							
12.0				<1	CL	Gray SILT & CLAY, some fine to medium Sand, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	
13.0							
14.0							
15.0							
16.0				<1			

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-35	
BORING LOCATION: 15' South 25' west of SB-17	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/26/2021	DATE FINISHED: 8/26/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 20'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 10'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0–2.0			2.6	<1	SP	Brown fine to coarse SAND, trace Silt, very moist. (Ball, No Ribbon - LOAMY SAND)	
3.0–4.0				<1	CL	Gray SILT & CLAY, trace Gravel. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
4.0–8.0			2.5	<1	CL	Brown gray SILT & CLAY, trace fine Sand, trace Gravel, very moist at 10' bgs, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
8.0–12.0			1.1				
12.0–15.0			2.0	21.1	SP	Brown gray fine to coarse SAND, trace Silt, saturated. (Ball, No Ribbon - LOAMY SAND)	
15.0–20.0			4.0	<1 <1 <1	CL	Gray SILT & CLAY, trace fine Sand, trace Gravel, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)	

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-36**	
BORING LOCATION: Southeast of SB-35		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 18'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
					CB	CONCRETE.	
1.0							
2.0			1.9		SW	Brown fine to medium SAND, trace Silt, moist. (Ball, No Ribbon - LOAMY SAND)	
3.0							
4.0					CL	Brown gray soft SILT & CLAY, trace fine Sand, trace Gravel, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
5.0							
6.0	>500		3.0	48.4	CL	Black soft SILT & CLAY, trace fine Sand, trace Gravel, trace root, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM) Oil-In Soil Test Kit = Green fluid Pink ball.	
7.0				<1			
8.0							
9.0							
10.0			4.0	<1			
11.0							
12.0	<500				CL	Brown gray, SILT & CLAY, trace fine Sand, trace Gravel, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 7'bgs.	
13.0							
14.0			4.0	<1			
15.0							
16.0							
17.0				<1			
18.0			2.0				
19.0							
20.0							

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-37**	
BORING LOCATION:	35' North 12' East of GP-6	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	Terra Probe	DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 18'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT:	GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			2.5	<1			2	
3.0					CL	Brown SILT & CLAY, trace fine Sand, trace fine Gravel, slightly moist. (Ball, <2.5 Ribbon, Smooth - SILT LOAM)	3	
4.0							4	
5.0							5	
6.0			2.2				6	
7.0				13.1			7	
8.0							8	
9.0							9	
10.0			4.0	<1			10	
11.0						Gray hard CLAY & SILT, trace fine Sand, trace fine Gravel, slightly moist, low plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid No color ball at 7-7.5'bgs.	11	
12.0					CL		12	
13.0							13	
14.0			4.0	<1			14	
15.0							15	
16.0							16	
17.0				<1			17	
18.0			4.0				18	
19.0							19	
20.0							20	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-38	
BORING LOCATION: North of MW-2	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 18'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.5	<1	SW	Dark brown fine to coarse SAND, some Brick and Concrete pieces, trace Silt, moist. (No Ball, No Ribbon - SAND)	
3.0							
4.0	>500			255.0	SW	Black medium to coarse SAND, some Slag and Brick pieces, moist, petroleum odor. (No Ball, No Ribbon - SAND) Oil-In Soil Test Kit = Green fluid Pink ball.	
5.0	>500		4.0	59.8	CL	Gray brown SILT & CLAY, trace fine Sand, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid Pink ball.	
6.0				<1	CL	Gray brown SILT & CLAY, some fine to coarse Sand, medium plasticity, petroleum odor. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
7.0							
8.0					CL	Gray brown hard SILT & CLAY, trace fine Sand, trace Gravel, moist. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
9.0							
10.0			4.0				
11.0							
12.0	>500			<1			

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. SB-39**	
BORING LOCATION: South of SB-38		GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe		DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT		~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER		LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0					SP	Brown fine to medium SAND, trace Silt, trace Gravel, dry. (No Ball, No Ribbon - SAND)	
2.0			2.5		AS	ASPHALT.	
3.0					SW	Black fine to medium SAND, some Silt, trace fine Gravel, turn Gray with depth. (Ball, No Ribbon - LOAMY SAND)	
4.0	<500			<1	CL	Brown SILT & CLAY, trace fine Gravel. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
5.0				<1	CL	Brown SILT & CLAY, trace fine Sand, dry, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
6.0			3.8				
7.0	<500						
8.0					CL	Gray brown SILT & CLAY, trace fine Sand, dry, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
9.0							
10.0	<500		4.0		CL	Gray brown SILT & CLAY, trace fine Sand, trace Gravel, moist. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.	
11.0				<1	CL	Gray brown SILT & CLAY, trace fine Sand, dry, low plasticity. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	
12.0							

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-40	
BORING LOCATION: North of MW-1	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 16'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: 8'	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

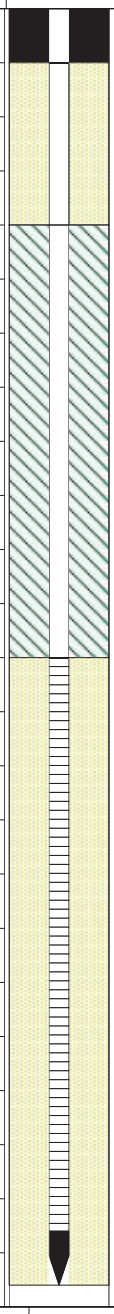
DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)	MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	
1.0							
2.0			2.9	<1			
3.0					SW	Brown fine to coarse SAND, some Concrete pieces, trace Silt, dry. (Ball, No Ribbon - LOAMY SAND)	
4.0							
5.0							
6.0			2.0				
7.0					SP	Black medium coarse SAND, trace Asphalt and Brick pieces, moist. (No Ball, No Ribbon - SAND)	
8.0				<1			
9.0							
10.0			2.7	<1			
11.0					SP	Dark brown fine to medium SAND, trace Silt, saturated, smear. (Ball, No Ribbon - LOAMY SAND)	
12.0							
13.0							
14.0			3.0				
15.0					CL	Gray SILT & CLAY, trace fine Sand, moist, low plasticity. (Ball, <2.5 Ribbon, Gritty, SANDY LOAM)	
16.0				<1			

PROJECT: 10201 WOODWARD LDHA	Log of Well No. SB-41	
BORING LOCATION: East of telephone pole	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: Terra Probe	DATE STARTED: 8/27/2021	DATE FINISHED: 8/27/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): NA
DRILLING EQUIPMENT: GEOPROBE 6620DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type NA
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION Surface Elevation:		MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0					SW	TOPSOIL.	0	
1.0							1	
2.0			2.9				2	
3.0				<1	SP	Light brown fine to medium SAND, trace Silt, moist. (Ball, No Ribbon - LOAMY SAND)	3	
4.0				<1			4	
5.0					CL	Brown SILT & CLAY, trace fine Sand, dry. (Ball, <2.5 Ribbon, Gritty - SANDY LOAM)	5	
6.0	<500		3.0	2.0	CL	Gray SILT & CLAY, trace fine Sand, medium plasticity, coarse Sand seam at 6 - 6.5' bgs. (Ball, 2.5-5 Ribbon, Gritt - SANDY CLAY LOAM Oil-In Soil Test Kit = Green fluid clear ball at 6.5-7' and 11.5-12' bgs.	6	
7.0				<1			7	
8.0							8	
9.0							9	
10.0			4.0	<1			10	
11.0							11	
12.0	<500						12	

PROJECT: 10201 WOODWARD LDHA	Log of Well No. MW-1	
BORING LOCATION: Southwest portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 6-11
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 7.7'	CASING: Diameter/Type 2" PVC
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL.
1.0					SP	Light brown, fine SAND, some Gravel and Concrete pieces 2 to 2.5' bgs, moist.
2.0			2.5	0.1		
3.0	<500					
					CB	CONCRETE & BRICK pieces.
4.0				0.4	SP	Brown fine to coarse SAND, some Gravel, moist. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
5.0					CL	Gray CLAY & SILT, some fine Sand, trace Gravel, very moist, low plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)
6.0			2.5			
7.0						
8.0				0.3	CL	Gray SILT & CLAY, trace fine Sand, very moist, dry at 10 to 12' bgs. ((Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.
9.0				0.3		
10.0			2.3			
11.0				0.3		
12.0						



MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

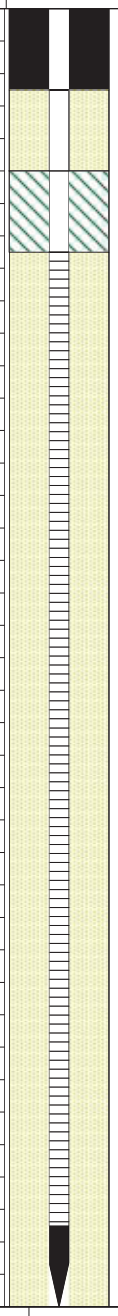
Silica Sand 2" PVC Casing

Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA	Log of Well No. MW-2	
BORING LOCATION: South portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 8'	SCREEN INTERVAL (bgs): 2-7
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 4'	CASING: Diameter/Type 2" PVC
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL.
0.4						
0.8						
1.2				1.1		
1.6	<500					
2.0			3.0			
2.4						Brown fine to medium SAND, some Silt and Clay, moist to saturated at 4' bgs. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
2.8					SW	
3.2				1.1		
3.6	<500					
4.0						
4.4				1.1		
4.8						
5.2						
5.6						
6.0			4.0			
6.4				1.1	CL	Gray brown, SILT & CLAY, trace fine Sand, dry. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball at 3.5-4' bgs and 7.5-8' bgs
6.8						
7.2						
7.6	<500					



MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

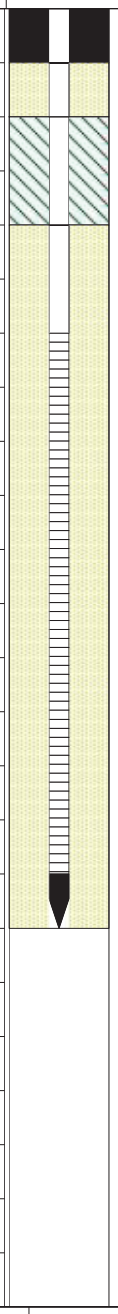
Silica Sand 2" PVC Casing

Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. MW-3**	
BORING LOCATION:	East portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 2-7
DRILLING EQUIPMENT:	GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: NA	CASING: Diameter/Type 2" PVC
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: RYOHEI WAKABAYASHI	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL.
1.0				0.3	SP	Gray medium to coarse SAND, some crushed Concrete, Brick, and Asphalt pieces, dry. (Ball, No Ribbon - LOAMY SAND)
2.0			3.9	0.1	SP	Brown fine to medium SAND, some Gravel, trace Silt and Clay. Moist. (Ball, No Ribbon - LOAMY SAND)
3.0				0.2		
4.0	<500			0.2	SP	Light brown fine SAND, trace Silt, slightly moist. (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
5.0						
6.0			3.5	0.3		
7.0						
8.0					CL	Gray SILT & CLAY, some fine Sand, trace Gravel, dry, high plasticity (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)
9.0						
10.0			3.5	0.2		
11.0						
12.0						



MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

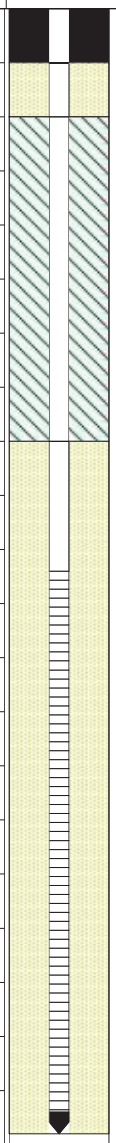
Silica Sand 2" PVC Casing

Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA		**Log of Well No. MW-4**	
BORING LOCATION:	West portion of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR:	ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD:	DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 5-10
DRILLING EQUIPMENT:	GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 8	CASING: Diameter/Type 2" PVC
SAMPLING METHOD:	MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading	DESCRIPTION (Surface Elevation:)
0.0					SW TOPSOIL
1.0					
2.0			2.0		
3.0				0.3	
4.0					
5.0					CB FILL MATERIAL (Sand with Brick and Concrete). Saturated at 8' bgs. (No Ball, No Ribbon - SAND)
6.0			0.5		
7.0					
8.0					
9.0				0.2	
10.0			4.0		
11.0				0.3	CL Gray hard SILT & CLAY. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)
12.0					



MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Silica Sand 2" PVC Casing

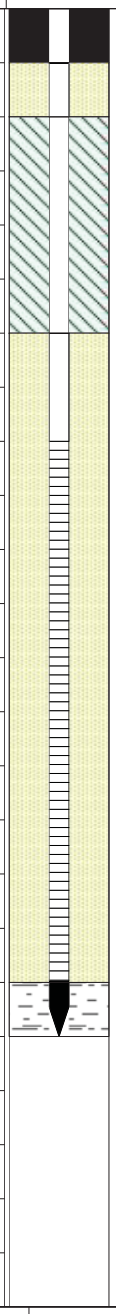
Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

PROJECT: 10201 WOODWARD LDHA	Log of Well No. MW-7	
BORING LOCATION: Center of the property	GROUND SURFACE ELEVATION/TOP OF CASING:	
DRILLING CONTRACTOR: ERG	DATE STARTED: 6/28/2021	DATE FINISHED: 6/28/2021
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH (bgs): 12'	SCREEN INTERVAL (bgs): 4-9
DRILLING EQUIPMENT: GEOPROBE 6610DT	~ FIELD SATURATION DEPTH: 5'	CASING: Diameter/Type 2" PVC
SAMPLING METHOD: MACRO-CORE - DISPOSABLE LINER	LOGGED BY: ERIC RUCKERT	

DEPTH (FEET)	Oil-In-Soil	Blow Counts	Recovery	PID Reading		DESCRIPTION (Surface Elevation:)
0.0					SW	TOPSOIL.
1.0						
2.0			3.0		SP	Brown medium to coarse SAND, trace Silt. (Ball, No Ribbon - LOAMY SAND)
3.0						
					CL	Brown SILT & CLAY hard, low plasticity (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM)
4.0						
5.0				24.2	SP	Black coarse SAND, trace Silt, moist to saturated at 5' bgs (Ball, No Ribbon - LOAMY SAND) Oil-In Soil Test Kit = Green fluid clear ball.
6.0	<500		3.5			
7.0				0.5		
8.0						
9.0					CL	Gray SILT & CLAY, hard, trace Sand, medium plasticity. (Ball, 2.5-5 Ribbon, Gritty - SANDY CLAY LOAM) Oil-In Soil Test Kit = Green fluid clear ball.
10.0				13.6		
11.0						
12.0	<500					

MONITOR WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Silica Sand 2" PVC Casing

Bentonite 2" PVC Casing

Screen Silica Sand 2" PVC 0.010 Mesh Screen

Appendix C
Site Photographs

Site Photographs
30 Glynn Ct, 10201 Woodward, and 10227 Woodward, City of Detroit, Michigan
Facility IDs: 00041320, 00042218, and 50005901

Date: June 6, 2022

Direction: Northwest

Notes: View of 10201 Woodward.

Date: June 6, 2022

Direction: Southeast

Notes: View of 10201 and 10227 Woodward. Note tree and power pole along western edge of 10227 Woodward parcel. The former UST basin (which includes a UST that is abandoned in place) is located by the tree and power pole.

Site Photographs
30 Glynn Ct, 10201 Woodward, and 10227 Woodward, City of Detroit, Michigan
Facility IDs: 00041320, 00042218, and 50005901

Date: June 6, 2022

Direction: Northeast

Notes: View of 30 Glynn Court parcel.

Date: June 6, 2022

Direction: West

Notes: View of northern adjoining parcel and residential dwelling to the east along Calvert Street.

Site Photographs
30 Glynn Ct, 10201 Woodward, and 10227 Woodward, City of Detroit, Michigan
Facility IDs: 00041320, 00042218, and 50005901

Date: June 6, 2022

Direction: South

Notes: View of utility corridor along Woodward Avenue.

Date: June 6, 2

Direction: West

Notes: View of 30 Glynn Court and Glynn Court ROW.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 9/20/22

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
MITZEL AGENCY
24825 LITTLE MACK AVE.-PO BOX 686
ST. CLAIR SHORES MI 48080

Phone: 586-773-8600 Fax: 586-772-2960

CONTACT NAME: Rick Mitzel
PHONE (A/C, No, Ext): 586 773-8600 FAX (A/C, No): 586 772-2960
E-MAIL ADDRESS: RBmitzel@aol.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Westchester Surplus Lines Insurance Company	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
ENVIRONMENTAL SERVICES GPW, LLC
18640 MACK AVE
PO BOX 1029
GROSSE POINTE MI 48236

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:			G27932228	12/4/21	12/4/22	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	$
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE	$
							AGGREGATE	$
								$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$
							E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	CONTRACTORS POLLUTION LIABILITY			G27932228	12/4/21	12/4/22	$1,000,000/$1,000,000	
A	PROFESSIONAL LIABILITY			G27932228	12/4/21	12/4/22	$1,000,000/$1,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

10201 WOODWARD 4% LIMITED DIVIDEND HOUSING ASSOCIATION LLC

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 9/20/22

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
MITZEL AGENCY
24825 LITTLE MACK AVE.-PO BOX 686
ST. CLAIR SHORES MI 48080

Phone: 586-773-8600 Fax: 586-772-2960

CONTACT NAME: Rick Mitzel
PHONE (A/C, No, Ext): 586 773-8600 FAX (A/C, No): 586 772-2960
E-MAIL ADDRESS: RBmitzel@aol.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Westchester Surplus Lines Insurance Company	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
ENVIRONMENTAL SERVICES GPW, LLC
18640 MACK AVE
PO BOX 1029
GROSSE POINTE MI 48236

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:			G27932228	12/4/21	12/4/22	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	$
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE	$
							AGGREGATE	$
								$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$
							E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	CONTRACTORS POLLUTION LIABILITY			G27932228	12/4/21	12/4/22	$1,000,000/$1,000,000	
A	PROFESSIONAL LIABILITY			G27932228	12/4/21	12/4/22	$1,000,000/$1,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

10201 WOODWARD LIMITED DIVIDEND HOUSING ASSOCIATION LLC

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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APPENDIX D

EGLE PROVIDED SITE-SPECIFIC TARGET LEVELS MEMO

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
WARREN DISTRICT OFFICE

GRETCHEN WHITMER
GOVERNOR

LIESL EICHLER CLARK
DIRECTOR

December 15, 2021

MEMO

DELIVERED VIA ELECTRONIC MAIL 12/15/2021

TO: John Bomba, Keck Consulting Services

FROM: Jeanne Schlaufman, EQS
Remediation and Redevelopment Division
Southeast Michigan District

SUBJECT: Request Site-Specific Target Level Evaluation for:
Former Woodward & Glynn Service Center
10201 Woodward Avenue, Detroit, Wayne County
Facility ID # 5-0005901

The Department of Environment, Great Lakes, and Energy (EGLE) has developed site-specific target levels for the volatilization to indoor air criteria for the subject facility in response to your request received November 10, 2021.

Inserted within the body of this memo are tables that contain the *revised* site-specific target levels (SSTLs) under Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451 as amended, which represent the EGLE's determination of values that reflect best available information regarding the toxicity and exposure risks posed by the regulated substances present at the Former Woodward & Glynn Service Center, 10201 Woodward Avenue, Detroit, Wayne County property. These values may be used as SSTLs without further documentation. In both residential and nonresidential scenarios, an exceedance of soil or groundwater site-specific target levels may be *satisfied* with representative vapor samples that *meets* the site-specific target levels for soil vapor. All pertinent RBSLs or SSTLs for the volatilization to indoor air pathway would then be satisfied in all affected media.

Other values may be developed by a person consistent with the statutory provisions for development of site-specific target levels and provided to EGLE for review and approval.

Residential SSTLs were included in the evaluation based on information provided and the EGLE's residential conceptual site model. Exceedances of these residential SSTLs will require restrictions or institutional controls for closure or aid in the determination of off-site migration.

The results of this evaluation are as follows:

Table 1. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **restricted** site-specific criteria that apply to a residential structure with a **slab-on-grade** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
83329	Acenaphthene	3,900 (S) sol	2.1E+05 nc	7,300 nc
208968	Acenaphthylene	65 nc	DATA	7,300 nc
67641	Acetone	50,000 (FF) st	2.6E+05 (EE) st	1.0E+06 (EE) st
994058	t-Amyl methyl ether (TAME)	82 nc	34 (M) nc	2,200 nc
120127	Anthracene	43 (S) sol	1.3E+07 nc	35,000 nc
71432	Benzene	1.0 ca	1.7 (M) ca	110 ca
56553	Benzo(a)anthracene	9.4 (S) (MM) sol	1.6E+05 (MM) mut	5.8 (MM) mut
100447	Benzyl chloride	2.5 (M) ca	12 (M) ca	17 ca
75274	Bromodichloromethane	1.2 ca	0.61 (M) ca	48 ca
75252	Bromoform	89 ca	45 (M) ca	770 ca
74839	Bromomethane	2.1 (M) nc	0.90 (M) nc	350 nc
78933	2-Butanone (MEK)	2,600 (DD) dev	31,000 (DD) dev	1.7E+05 (DD) dev
75650	t-Butyl alcohol	17,000 nc	3,200 nc	2,500 nc
104518	n-Butylbenzene	44 nc	560 nc	7,000 nc
135988	sec-Butylbenzene	270 nc	3,800 nc	14 nc
98066	t-Butylbenzene	7.7E-02 (M) nc	0.64 (M) nc	14 nc
75150	Carbon disulfide	92 nc	52 (M) nc	24,000 nc
56235	Carbon tetrachloride	0.41 (M) ca	0.31 (M) ca	150 ca
108907	Chlorobenzene	33 nc	82 nc	1,700 nc
75003	Chloroethane	620 nc	330 nc	1.4E+05 nc
67663	Chloroform	0.49 (M) ca	0.26 (M) ca	37 ca
74873	Chloromethane	15 nc	6.9 (M) nc	3,100 nc
110827	Cyclohexane	290 nc	320 (M) nc	2.1E+05 nc
124481	Dibromochloromethane	0.78 (MM) (M) mut	0.40 (MM) (M) mut	14 (MM) mut

Table 1. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **restricted** site-specific criteria that apply to a residential structure with a **slab-on-grade** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
95501	1,2-Dichlorobenzene	370 nc	1,500 nc	10,000 nc
541731	1,3-Dichlorobenzene	2.6 nc	10 (M) nc	100 nc
106467	1,4-Dichlorobenzene	5.9 ca	23 (M) ca	220 ca
75718	Dichlorodifluoromethane	13 nc	12 (M) nc	11,000 nc
75343	1,1-Dichloroethane	4.7 ca	2.6 (M) ca	530 ca
107062	1,2-Dichloroethane	1.4 ca	0.82 (M) ca	33 ca
75354	1,1-Dichloroethylene	18 nc	12 (M) nc	7,000 nc
156592	cis-1,2-Dichloroethylene	3.4 nc	2.1 (M) nc	280 nc
156605	trans-1,2-Dichloroethylene	16 nc	12 (M) nc	2,800 nc
78875	1,2-Dichloropropane	2.6 nc	2.1 (M) nc	140 nc
542756	1,3-Dichloropropene	3.3 (J) ca	3.1 (M) (J) ca	210 (J) ca
60297	Diethyl ether	1,200 nc	350 nc	35,000 nc
108203	Diisopropyl ether	36 (DD) dev	200 (M) (DD) dev	23,000 (DD) dev
123911	1,4-Dioxane	1,900 ca	370 (M) ca	170 ca
64175	Ethanol	1.0E+05 (FF) st	1.3E+06 (EE) st	6.3E+05 (EE) st
141786	Ethyl acetate	910 nc	210 nc	2,400 nc
637923	Ethyl-tert-butyl ether (ETBE)	22 nc	DATA	13,000 nc
100414	Ethylbenzene	2.8 ca	12 (M) ca	340 ca
106934	Ethylene dibromide	0.13 ca	7.4E-02 (M) ca	1.4 ca
86737	Fluorene	1,700 (S) sol	4.7E+05 nc	4,900 nc
142825	n-Heptane	150 nc	130 nc	1.2E+05 nc
87683	Hexachlorobutadiene (C-46)	0.32 ca	2.5 (M) ca	39 ca
110543	n-Hexane	29 nc	25 nc	24,000 nc
591786	2-Hexanone	660 nc	220 (M) nc	1,000 nc

Table 1. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **restricted** site-specific criteria that apply to a residential structure with a **slab-on-grade** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
67630	Isopropyl alcohol	53,000 nc	9,900 nc	7,000 nc
98828	Isopropyl benzene	0.60 (M) ca	3.8 (M) ca	81 ca
Varies	Mercury (Total)	8.8E-02 nc	22 (M) nc	10 nc
108101	4-Methyl-2-pentanone (MIBK)	200 (FF) st	3,300 (EE) st	27,000 (EE) st
1634044	Methyl-tert-butyl ether (MTBE)	250 ca	74 (M) ca	3,300 ca
96377	Methylcyclopentane	30 (M) nc	29 (M) nc	24,000 nc
75092	Methylene chloride	79 (FF) st	130 nc	21,000 nc
91576	2-Methylnaphthalene	66 nc	1,700 nc	350 nc
91203	Naphthalene	4.2 (M) ca	67 (M) ca	25 ca
109660	Pentane	40 (M) nc	36 (M) nc	35,000 nc
85018	Phenanthrene	9.5 nc	1,700 nc	3.5 nc
1336363	Polychlorinated biphenyls (PCBs)	3.1E-02 (M) (J) ca	DATA	8.5 (J) ca
103651	n-Propylbenzene	43 (DD) dev	1,800 (DD) dev	33,000 (DD) dev
129000	Pyrene	140 (S) sol	2.5E+07 nc	3,500 nc
100425	Styrene	33 ca	150 ca	1,500 ca
630206	1,1,1,2-Tetrachloroethane	3.1 ca	3.2 (M) ca	110 ca
79345	1,1,2,2-Tetrachloroethane	2.4 ca	2.7 (M) ca	15 ca
127184	Tetrachloroethylene	1.5 (FF) st	6.2 (M) (EE) st	1,400 (EE) st
109999	Tetrahydrofuran	45,000 nc	13,000 nc	70,000 nc
108883	Toluene	300 (FF) st	3,700 nc	1.7E+05 nc
87616	1,2,3-Trichlorobenzene	58 nc	840 nc	940 nc
120821	1,2,4-Trichlorobenzene	3.8 (M) nc	53 (M) nc	70 nc
71556	1,1,1-Trichloroethane	180 (FF) st	450 (EE) st	1.7E+05 (EE) st
79005	1,1,2-Trichloroethane	0.47 (M) nc	0.37 (M) nc	7.0 nc

Table 1. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **restricted** site-specific criteria that apply to a residential structure with a **slab-on-grade** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
79016	Trichloroethylene	7.3E-02 (M) (DD) dev	0.33 (M) (DD) dev	67 (DD) dev
75694	Trichlorofluoromethane	22 nc	19 (M) nc	15,000 nc
76131	1,1,2-Trichloro-1,2,2-trifluoroethane	840 nc	860 nc	6.6E+05 nc
540841	2,2,4-Trimethyl pentane	160 nc	130 (M) nc	1.2E+05 nc
526738	1,2,3-Trimethylbenzene	43 (JT) nc	270 (JT) nc	2,100 (JT) nc
95636	1,2,4-Trimethylbenzene	25 (JT) nc	150 (JT) nc	2,100 (JT) nc
108678	1,3,5-Trimethylbenzene	18 (JT) nc	100 (JT) nc	2,100 (JT) nc
108054	Vinyl acetate	690 nc	160 (M) nc	7,000 nc
75014	Vinyl chloride	0.12 (MM) (M) mut	8.2E-02 (MM) (M) mut	54 (MM) mut
1330207	Xylenes	75 (J) nc	280 (J) nc	7,600 (J) nc
106990	1,3-Butadiene	NR	NR	NR

Table 2. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **unrestricted** site-specific criteria that apply to a residential house with a **basement** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
83329	Acenaphthene	3,900 (S) sol	2.0E+05 nc	7,300 nc
208968	Acenaphthylene	65 nc	DATA	7,300 nc
67641	Acetone	50,000 (FF) st	2.6E+05 (EE) st	1.0E+06 (EE) st
994058	t-Amyl methyl ether (TAME)	82 nc	34 (M) nc	2,200 nc
120127	Anthracene	43 (S) sol	1.3E+07 nc	35,000 nc
71432	Benzene	1.0 ca	1.7 (M) ca	110 ca
56553	Benzo(a)anthracene	9.4 (S) (MM) sol	1.6E+05 (MM) mut	5.8 (MM) mut
100447	Benzyl chloride	2.5 (M) ca	12 (M) ca	17 ca
75274	Bromodichloromethane	1.2 ca	0.61 (M) ca	48 ca
75252	Bromoform	89 ca	45 (M) ca	770 ca
74839	Bromomethane	2.1 (M) nc	0.90 (M) nc	350 nc
78933	2-Butanone (MEK)	2,600 (DD) dev	31,000 (DD) dev	1.7E+05 (DD) dev
75650	t-Butyl alcohol	17,000 nc	3,200 nc	2,500 nc
104518	n-Butylbenzene	44 nc	550 nc	7,000 nc
135988	sec-Butylbenzene	270 nc	3,800 nc	14 nc
98066	t-Butylbenzene	7.7E-02 (M) nc	0.64 (M) nc	14 nc
75150	Carbon disulfide	92 nc	52 (M) nc	24,000 nc
56235	Carbon tetrachloride	0.41 (M) ca	0.31 (M) ca	150 ca
108907	Chlorobenzene	33 nc	82 nc	1,700 nc
75003	Chloroethane	620 nc	330 nc	1.4E+05 nc
67663	Chloroform	0.49 (M) ca	0.26 (M) ca	37 ca
74873	Chloromethane	15 nc	6.9 (M) nc	3,100 nc
110827	Cyclohexane	290 nc	320 (M) nc	2.1E+05 nc
124481	Dibromochloromethane	0.78 (MM) (M) mut	0.40 (MM) (M) mut	14 (MM) mut
95501	1,2-Dichlorobenzene	370 nc	1,500 nc	10,000 nc

Table 2. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **unrestricted** site-specific criteria that apply to a residential house with a **basement** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
541731	1,3-Dichlorobenzene	2.6 nc	10 (M) nc	100 nc
106467	1,4-Dichlorobenzene	5.9 ca	23 (M) ca	220 ca
75718	Dichlorodifluoromethane	13 nc	12 (M) nc	11,000 nc
75343	1,1-Dichloroethane	4.7 ca	2.6 (M) ca	530 ca
107062	1,2-Dichloroethane	1.4 ca	0.82 (M) ca	33 ca
75354	1,1-Dichloroethylene	18 nc	12 (M) nc	7,000 nc
156592	cis-1,2-Dichloroethylene	3.4 nc	2.1 (M) nc	280 nc
156605	trans-1,2-Dichloroethylene	16 nc	12 (M) nc	2,800 nc
78875	1,2-Dichloropropane	2.6 nc	2.1 (M) nc	140 nc
542756	1,3-Dichloropropene	3.3 (J) ca	3.1 (M) (J) ca	210 (J) ca
60297	Diethyl ether	1,200 nc	350 nc	35,000 nc
108203	Diisopropyl ether	36 (DD) dev	190 (M) (DD) dev	23,000 (DD) dev
123911	1,4-Dioxane	1,900 ca	360 (M) ca	170 ca
64175	Ethanol	1.0E+05 (FF) st	1.3E+06 (EE) st	6.3E+05 (EE) st
141786	Ethyl acetate	910 nc	210 nc	2,400 nc
637923	Ethyl-tert-butyl ether (ETBE)	22 nc	DATA	13,000 nc
100414	Ethylbenzene	2.8 ca	12 (M) ca	340 ca
106934	Ethylene dibromide	0.13 ca	7.4E-02 (M) ca	1.4 ca
86737	Fluorene	1,700 (S) sol	4.7E+05 nc	4,900 nc
142825	n-Heptane	150 nc	130 nc	1.2E+05 nc
87683	Hexachlorobutadiene (C-46)	0.32 ca	2.5 (M) ca	39 ca
110543	n-Hexane	29 nc	25 nc	24,000 nc
591786	2-Hexanone	660 nc	210 (M) nc	1,000 nc
67630	Isopropyl alcohol	53,000 nc	9,800 nc	7,000 nc
98828	Isopropyl benzene	0.60 (M) ca	3.8 (M) ca	81 ca

Table 2. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **unrestricted** site-specific criteria that apply to a residential house with a **basement** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
Varies	Mercury (Total)	8.8E-02 nc	22 (M) nc	10 nc
108101	4-Methyl-2-pentanone (MIBK)	200 (FF) st	3,300 (EE) st	27,000 (EE) st
1634044	Methyl-tert-butyl ether (MTBE)	250 ca	74 (M) ca	3,300 ca
96377	Methylcyclopentane	30 (M) nc	29 (M) nc	24,000 nc
75092	Methylene chloride	79 (FF) st	130 nc	21,000 nc
91576	2-Methylnaphthalene	66 nc	1,700 nc	350 nc
91203	Naphthalene	4.2 (M) ca	67 (M) ca	25 ca
109660	Pentane	40 (M) nc	36 (M) nc	35,000 nc
85018	Phenanthrene	9.5 nc	1,700 nc	3.5 nc
1336363	Polychlorinated biphenyls (PCBs)	3.1E-02 (M) (J) ca	DATA	8.5 (J) ca
103651	n-Propylbenzene	43 (DD) dev	1,800 (DD) dev	33,000 (DD) dev
129000	Pyrene	140 (S) sol	2.5E+07 nc	3,500 nc
100425	Styrene	33 ca	150 ca	1,500 ca
630206	1,1,1,2-Tetrachloroethane	3.1 ca	3.2 (M) ca	110 ca
79345	1,1,2,2-Tetrachloroethane	2.4 ca	2.7 (M) ca	15 ca
127184	Tetrachloroethylene	1.5 (FF) st	6.2 (M) (EE) st	1,400 (EE) st
109999	Tetrahydrofuran	45,000 nc	13,000 nc	70,000 nc
108883	Toluene	300 (FF) st	3,700 nc	1.7E+05 nc
87616	1,2,3-Trichlorobenzene	58 nc	830 nc	940 nc
120821	1,2,4-Trichlorobenzene	3.8 (M) nc	53 (M) nc	70 nc
71556	1,1,1-Trichloroethane	180 (FF) st	450 (EE) st	1.7E+05 (EE) st
79005	1,1,2-Trichloroethane	0.47 (M) nc	0.37 (M) nc	7.0 nc
79016	Trichloroethylene	7.3E-02 (M) (DD) dev	0.33 (M) (DD) dev	67 (DD) dev
75694	Trichlorofluoromethane	22 nc	19 (M) nc	15,000 nc
76131	1,1,2-Trichloro-1,2,2-trifluoroethane	840 nc	860 nc	6.6E+05 nc

Table 2. Residential Volatilization to Indoor Air Criteria (VIAC). The following are **unrestricted** site-specific criteria that apply to a residential house with a **basement** foundation, the depth to groundwater submitted for this site (i.e. 3 ft), and USDA soil type of **sand**.

CAS#	Hazardous Substance	Shallow Groundwater (µg/L)	Soil (µg/kg)	Soil Vapor** (µg/m^3)
540841	2,2,4-Trimethyl pentane	160 nc	130 (M) nc	1.2E+05 nc
526738	1,2,3-Trimethylbenzene	43 (JT) nc	270 (JT) nc	2,100 (JT) nc
95636	1,2,4-Trimethylbenzene	25 (JT) nc	150 (JT) nc	2,100 (JT) nc
108678	1,3,5-Trimethylbenzene	18 (JT) nc	100 (JT) nc	2,100 (JT) nc
108054	Vinyl acetate	690 nc	160 (M) nc	7,000 nc
75014	Vinyl chloride	0.12 (MM) (M) mut	8.2E-02 (MM) (M) mut	54 (MM) mut
1330207	Xylenes	75 (J) nc	280 (J) nc	7,600 (J) nc
106990	1,3-Butadiene	NR	NR	NR

FOOTNOTES

**Soil vapor site-specific volatilization to indoor air criteria (SSVIAC) are applicable for all depths.

- Acceptable Air Values (AAV) endpoint basis used for SSVIAC: (**ca**) = Carcinogenetic; (**nc**) = Non-Carcinogenetic; (**dev**) = Developmental; (**mut**) = Mutagenic cancer; (**st**) = Short-term (i.e., less than chronic exposure).
- Footnote (**#**): Acceptable air concentrations (AAC) cannot be adjusted to a 12-hour exposure time for hazardous substance.
- Footnote **AA**: Health-based groundwater SSVIAC are not available due to insufficient toxicological data. Dissolved-phase methane in groundwater is not explosive; however, if liberated and allowed to accumulate in an enclosed structure the principle health and safety concerns are explosive, flammable, and asphyxiant properties of gas phase methane. The acceptable groundwater concentration is the flammability and explosivity screening level (**FESL**) of 10,000 µg/L.
- Footnote **C**: The health-based SSVIAC exceeds the chemical-specific soil saturation screening level (**Csat**). Because this table does not list Csat values both were provided, with the calculated (health-based) value listed first and Csat provided in parenthesis. The person proposing or implementing response activity must document whether additional response activity is required to control non aqueous phase liquid (**NAPL**) to protect against risks associated with NAPL by using methods appropriate for the NAPL present.
- Footnote **CC**: Insufficient chemical-physical input parameters have been identified to allow the development of a health-based SSVIAC using standard methods. The health based SSVIAC for groundwater is developed based solely on the approach that the department uses for shallow groundwater. If groundwater detections are present, soil vapor may be the most appropriate media to evaluate risk posed from the VIAP.
- Footnote **DATA**: Insufficient physical chemical parameters to calculate a health based SSVIAC for specified media. If detections are present in specified media, health-based soil vapor SSVIAC should be used to evaluate risk.
- Footnote **DD**: Hazardous substance causes developmental effects. Residential SSVIAC are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential SSVIAC are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. short-term) or full-term exposure.
- Footnote **EE**: The acceptable air concentration (**AAC**) for the volatile hazardous substances is not derived using standard methods. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or EGLE's Air Quality Division acute initial threshold screening level (ITSL).
- Footnote **FF**: The AAC for the volatile hazardous substances are based on toxicity values that have been identified to have the potential to cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The short-term exposure for shallow groundwater health based SSVIAC are based on modification of the standard methods by the department to develop applicable shallow groundwater values.
- Footnote **GG**: Health-based SSVIAC for soil vapor are not available due to insufficient toxicological data. The soil vapor value addresses the health and safety concerns of explosive, flammable, and asphyxiant properties of gas phase methane. The acceptable soil vapor concentration is derived based on 25% of the lower explosive level (**LEL**) for methane.
- Footnote **GW**: The calculated health based SSVIAC for a hazardous substance based upon shallow groundwater is considered protective when it is greater than the calculated value for groundwater.
- Footnote **ID**: Requires further evaluation to determine the appropriate media to sample.
- Footnote **J**: Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.
- Footnote **JT**: Hazardous substance may be present in several isomer forms. The health-based SSVIAC may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive health-based SSVIAC of the detected isomers.
- Footnote **M**: The health based SSVIAC may be below target detection limits (**TDL**). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed health-based SSVIAC, the TDL is used to evaluate the risk posed from the pathway.
- Footnote **MM**: Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating health-based SSVIAC are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.
- Footnote **NA**: The hazardous substance does not meet the department's definition of a volatile; therefore, no health based SSVIAC were developed.
- Footnote **NR**: The hazardous substance has not been previously evaluated by the Remediation and Redevelopment Division Toxicology Unit. The identification, collection, and evaluation of toxicological literature and chemical-physical data cannot be completed within the timeframe requested.
- Footnote **S**: Calculated health-based SSVIAC exceeds the hazardous substance-specific water solubility limit; therefore, the water solubility limit is used to evaluate the risk posed from the pathway. When this occurs the basis for the screening level is noted as "sol".
- Footnote **TX**: The Remediation and Redevelopment Division Toxicology Unit has not identified an inhalation toxicity value for the hazardous substance.